TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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TestAmerica Job ID: 660-42671-1
Client Project/Site: Tallevast Carbon OM

For:
ARCADIS U.S. Inc
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Attn: Donald Sauda

Authorized for release by:
08/04/2011 02:53:11 PM

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Indicates that the compound was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis.
EPA	United States Environmental Protection Agency
ND	Not Detected above the reporting level.
MDL	Method Detection Limit
RL	Reporting Limit
RE, RE1 (etc.)	Indicates a Re-extraction or Reanalysis of the sample.
%R	Percent Recovery
RPD	Relative Percent Difference, a measure of the relative difference between two points.

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-42671-1

Client Sample ID: Primary GAC Effluent — Lab Sample ID: 660-42671-1

No Detections.

Client Sample ID: Mid Process — Lab Sample ID: 660-42671-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	11	I	20	9.9	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	11		1.0	0.52	ug/L	1		8260B	Total/NA

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-42671-1

Client Sample ID: Primary GAC Effluent

Lab Sample ID: 660-42671-1

Date Collected: 08/02/11 09:00
Matrix: Water
Date Received: 08/02/11 11:45

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			08/02/11 16:57	1
Benzene	0.50	U	1.0	0.50	ug/L			08/02/11 16:57	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			08/02/11 16:57	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			08/02/11 16:57	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			08/02/11 16:57	1
Bromoform	0.58	U	1.0	0.58	ug/L			08/02/11 16:57	1
Bromomethane	2.5	U	5.0	2.5	ug/L			08/02/11 16:57	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			08/02/11 16:57	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			08/02/11 16:57	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			08/02/11 16:57	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			08/02/11 16:57	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			08/02/11 16:57	1
Chloroethane	2.5	U	5.0	2.5	ug/L			08/02/11 16:57	1
Chloroform	0.90	U	1.0	0.90	ug/L			08/02/11 16:57	1
Chloromethane	1.0	U	4.0	1.0	ug/L			08/02/11 16:57	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			08/02/11 16:57	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			08/02/11 16:57	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			08/02/11 16:57	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			08/02/11 16:57	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			08/02/11 16:57	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			08/02/11 16:57	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			08/02/11 16:57	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			08/02/11 16:57	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			08/02/11 16:57	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			08/02/11 16:57	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			08/02/11 16:57	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			08/02/11 16:57	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			08/02/11 16:57	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			08/02/11 16:57	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			08/02/11 16:57	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			08/02/11 16:57	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			08/02/11 16:57	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			08/02/11 16:57	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			08/02/11 16:57	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			08/02/11 16:57	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			08/02/11 16:57	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			08/02/11 16:57	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			08/02/11 16:57	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			08/02/11 16:57	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			08/02/11 16:57	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			08/02/11 16:57	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			08/02/11 16:57	1
Naphthalene	2.5	U	5.0	2.5	ug/L			08/02/11 16:57	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			08/02/11 16:57	1
Styrene	0.98	U	2.0	0.98	ug/L			08/02/11 16:57	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			08/02/11 16:57	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			08/02/11 16:57	1
Toluene	1.0	U	1.0	1.0	ug/L			08/02/11 16:57	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			08/02/11 16:57	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			08/02/11 16:57	1

Client Sample ID: Primary GAC Effluent

Lab Sample ID: 660-42671-1

Date Collected: 08/02/11 09:00
Matrix: Water
Date Received: 08/02/11 11:45

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			08/02/11 16:57	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			08/02/11 16:57	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			08/02/11 16:57	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			08/02/11 16:57	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			08/02/11 16:57	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			08/02/11 16:57	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			08/02/11 16:57	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			08/02/11 16:57	1
o-Xylene	0.50	U	1.0	0.50	ug/L			08/02/11 16:57	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			08/02/11 16:57	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			08/02/11 16:57	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			08/02/11 16:57	1
2-Hexanone	4.4	U	10	4.4	ug/L			08/02/11 16:57	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			08/02/11 16:57	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			08/02/11 16:57	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*70 - 130*		*08/02/11 16:57*	*1*
4-Bromofluorobenzene	*100*		*70 - 130*		*08/02/11 16:57*	*1*
Dibromofluoromethane	*94*		*70 - 130*		*08/02/11 16:57*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			08/02/11 21:44	1

Client Sample ID: Mid Process

Lab Sample ID: 660-42671-2

Date Collected: 08/02/11 09:10
Matrix: Water
Date Received: 08/02/11 11:45

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**11**	**I**	20	9.9	ug/L			08/02/11 17:15	1
Benzene	0.50	U	1.0	0.50	ug/L			08/02/11 17:15	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			08/02/11 17:15	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			08/02/11 17:15	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			08/02/11 17:15	1
Bromoform	0.58	U	1.0	0.58	ug/L			08/02/11 17:15	1
Bromomethane	2.5	U	5.0	2.5	ug/L			08/02/11 17:15	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			08/02/11 17:15	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			08/02/11 17:15	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			08/02/11 17:15	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			08/02/11 17:15	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			08/02/11 17:15	1
Chloroethane	2.5	U	5.0	2.5	ug/L			08/02/11 17:15	1
Chloroform	0.90	U	1.0	0.90	ug/L			08/02/11 17:15	1
Chloromethane	1.0	U	4.0	1.0	ug/L			08/02/11 17:15	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			08/02/11 17:15	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			08/02/11 17:15	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			08/02/11 17:15	1

Client Sample ID: Mid Process

Lab Sample ID: 660-42671-2

Date Collected: 08/02/11 09:10

Matrix: Water

Date Received: 08/02/11 11:45

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			08/02/11 17:15	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			08/02/11 17:15	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			08/02/11 17:15	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			08/02/11 17:15	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			08/02/11 17:15	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			08/02/11 17:15	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			08/02/11 17:15	1
1,1-Dichloroethane	**11**		1.0	0.52	ug/L			08/02/11 17:15	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			08/02/11 17:15	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			08/02/11 17:15	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			08/02/11 17:15	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			08/02/11 17:15	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			08/02/11 17:15	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			08/02/11 17:15	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			08/02/11 17:15	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			08/02/11 17:15	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			08/02/11 17:15	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			08/02/11 17:15	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			08/02/11 17:15	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			08/02/11 17:15	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			08/02/11 17:15	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			08/02/11 17:15	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			08/02/11 17:15	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			08/02/11 17:15	1
Naphthalene	2.5	U	5.0	2.5	ug/L			08/02/11 17:15	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			08/02/11 17:15	1
Styrene	0.98	U	2.0	0.98	ug/L			08/02/11 17:15	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			08/02/11 17:15	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			08/02/11 17:15	1
Toluene	1.0	U	1.0	1.0	ug/L			08/02/11 17:15	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			08/02/11 17:15	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			08/02/11 17:15	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			08/02/11 17:15	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			08/02/11 17:15	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			08/02/11 17:15	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			08/02/11 17:15	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			08/02/11 17:15	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			08/02/11 17:15	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			08/02/11 17:15	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			08/02/11 17:15	1
o-Xylene	0.50	U	1.0	0.50	ug/L			08/02/11 17:15	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			08/02/11 17:15	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			08/02/11 17:15	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			08/02/11 17:15	1
2-Hexanone	4.4	U	10	4.4	ug/L			08/02/11 17:15	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			08/02/11 17:15	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			08/02/11 17:15	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*70 - 130*		*08/02/11 17:15*	*1*

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-42671-1

Client Sample ID: Mid Process

Lab Sample ID: 660-42671-2

Date Collected: 08/02/11 09:10
Date Received: 08/02/11 11:45

Matrix: Water

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

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*70 - 130*		*08/02/11 17:15*	*1*
Dibromofluoromethane	*95*		*70 - 130*		*08/02/11 17:15*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			08/02/11 22:08	1

Surrogate Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-42671-1

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)
660-42669-B-1 DU	Duplicate	100	101	96
660-42669-B-2 MS	Matrix Spike	102	98	96
660-42671-1	Primary GAC Effluent	101	100	94
660-42671-2	Mid Process	100	100	95
LCS 660-113218/3	Lab Control Sample	100	98	99
MB 660-113218/5	Method Blank	100	100	98

Surrogate Legend

TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane

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

Lab Sample ID: MB 660-113218/5
Matrix: Water
Analysis Batch: 113218

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			08/02/11 14:51	1
Benzene	0.50	U	1.0	0.50	ug/L			08/02/11 14:51	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			08/02/11 14:51	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			08/02/11 14:51	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			08/02/11 14:51	1
Bromoform	0.58	U	1.0	0.58	ug/L			08/02/11 14:51	1
Bromomethane	2.5	U	5.0	2.5	ug/L			08/02/11 14:51	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			08/02/11 14:51	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			08/02/11 14:51	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			08/02/11 14:51	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			08/02/11 14:51	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			08/02/11 14:51	1
Chloroethane	2.5	U	5.0	2.5	ug/L			08/02/11 14:51	1
Chloroform	0.90	U	1.0	0.90	ug/L			08/02/11 14:51	1
Chloromethane	1.0	U	4.0	1.0	ug/L			08/02/11 14:51	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			08/02/11 14:51	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			08/02/11 14:51	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			08/02/11 14:51	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			08/02/11 14:51	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			08/02/11 14:51	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			08/02/11 14:51	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			08/02/11 14:51	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			08/02/11 14:51	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			08/02/11 14:51	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			08/02/11 14:51	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			08/02/11 14:51	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			08/02/11 14:51	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			08/02/11 14:51	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			08/02/11 14:51	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			08/02/11 14:51	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			08/02/11 14:51	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			08/02/11 14:51	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			08/02/11 14:51	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			08/02/11 14:51	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			08/02/11 14:51	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			08/02/11 14:51	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			08/02/11 14:51	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			08/02/11 14:51	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			08/02/11 14:51	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			08/02/11 14:51	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			08/02/11 14:51	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			08/02/11 14:51	1
Naphthalene	2.5	U	5.0	2.5	ug/L			08/02/11 14:51	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			08/02/11 14:51	1
Styrene	0.98	U	2.0	0.98	ug/L			08/02/11 14:51	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			08/02/11 14:51	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			08/02/11 14:51	1
Toluene	1.0	U	1.0	1.0	ug/L			08/02/11 14:51	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			08/02/11 14:51	1

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

Lab Sample ID: MB 660-113218/5
Matrix: Water
Analysis Batch: 113218

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			08/02/11 14:51	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			08/02/11 14:51	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			08/02/11 14:51	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			08/02/11 14:51	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			08/02/11 14:51	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			08/02/11 14:51	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			08/02/11 14:51	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			08/02/11 14:51	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			08/02/11 14:51	1
o-Xylene	0.50	U	1.0	0.50	ug/L			08/02/11 14:51	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			08/02/11 14:51	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			08/02/11 14:51	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			08/02/11 14:51	1
2-Hexanone	4.4	U	10	4.4	ug/L			08/02/11 14:51	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			08/02/11 14:51	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			08/02/11 14:51	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*70 - 130*		*08/02/11 14:51*	*1*
4-Bromofluorobenzene	*100*		*70 - 130*		*08/02/11 14:51*	*1*
Dibromofluoromethane	*98*		*70 - 130*		*08/02/11 14:51*	*1*

Lab Sample ID: LCS 660-113218/3
Matrix: Water
Analysis Batch: 113218

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	40.0	34.7		ug/L		87	62 - 142
Benzene	20.0	20.0		ug/L		100	68 - 134
Bromobenzene	20.0	19.9		ug/L		100	70 - 130
Chlorobromomethane	20.0	19.5		ug/L		98	70 - 130
Dichlorobromomethane	20.0	20.7		ug/L		103	70 - 130
Bromoform	20.0	20.2		ug/L		101	65 - 130
Bromomethane	20.0	29.4		ug/L		147	22 - 150
n-Butylbenzene	20.0	21.2		ug/L		106	61 - 131
sec-Butylbenzene	20.0	20.8		ug/L		104	68 - 133
tert-Butylbenzene	20.0	19.4		ug/L		97	64 - 130
Carbon tetrachloride	20.0	20.6		ug/L		103	61 - 134
Chlorobenzene	20.0	20.7		ug/L		103	70 - 130
Chloroethane	20.0	24.1		ug/L		121	39 - 150
Chloroform	20.0	20.7		ug/L		103	68 - 130
Chloromethane	20.0	22.3		ug/L		111	35 - 150
2-Chlorotoluene	20.0	20.2		ug/L		101	70 - 130
4-Chlorotoluene	20.0	20.3		ug/L		102	70 - 130
Chlorodibromomethane	20.0	21.0		ug/L		105	70 - 130
1,2-Dibromo-3-Chloropropane	20.0	18.1		ug/L		91	63 - 130
Ethylene Dibromide	20.0	19.2		ug/L		96	66 - 130
Dibromomethane	20.0	19.9		ug/L		100	70 - 130
1,2-Dichlorobenzene	20.0	19.9		ug/L		100	70 - 130

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

Lab Sample ID: LCS 660-113218/3
Matrix: Water
Analysis Batch: 113218

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
1,3-Dichlorobenzene	20.0	21.6		ug/L		108	70 - 130
1,4-Dichlorobenzene	20.0	19.9		ug/L		99	70 - 130
Dichlorodifluoromethane	20.0	22.7		ug/L		113	16 - 149
1,1-Dichloroethane	20.0	20.1		ug/L		101	66 - 130
1,2-Dichloroethane	20.0	20.6		ug/L		103	70 - 130
1,1,1,2-Tetrachloroethane	20.0	20.6		ug/L		103	70 - 130
1,1-Dichloroethene	20.0	18.5		ug/L		92	51 - 150
cis-1,2-Dichloroethene	20.0	19.9		ug/L		100	66 - 130
trans-1,2-Dichloroethene	20.0	19.8		ug/L		99	62 - 139
1,2-Dichloropropane	20.0	20.4		ug/L		102	70 - 130
1,3-Dichloropropane	20.0	19.8		ug/L		99	70 - 130
2,2-Dichloropropane	20.0	21.2		ug/L		106	66 - 134
1,1-Dichloropropene	20.0	20.7		ug/L		103	65 - 136
cis-1,3-Dichloropropene	20.0	19.8		ug/L		99	70 - 130
trans-1,3-Dichloropropene	20.0	19.3		ug/L		96	67 - 130
Ethylbenzene	20.0	20.7		ug/L		103	70 - 130
Hexachlorobutadiene	20.0	19.2		ug/L		96	62 - 143
Isopropylbenzene	20.0	20.3		ug/L		102	62 - 130
4-Isopropyltoluene	20.0	22.2		ug/L		111	65 - 134
Methylene Chloride	20.0	20.6		ug/L		103	57 - 130
Naphthalene	20.0	19.3		ug/L		96	50 - 136
N-Propylbenzene	20.0	21.0		ug/L		105	67 - 130
Styrene	20.0	21.3		ug/L		106	68 - 131
1,1,2,2-Tetrachloroethane	20.0	19.2		ug/L		96	70 - 130
Tetrachloroethene	20.0	19.2		ug/L		96	50 - 143
Toluene	20.0	20.0		ug/L		100	70 - 131
1,2,3-Trichlorobenzene	20.0	19.5		ug/L		97	58 - 132
1,2,4-Trichlorobenzene	20.0	20.1		ug/L		101	66 - 130
1,1,1-Trichloroethane	20.0	20.6		ug/L		103	63 - 132
1,1,2-Trichloroethane	20.0	19.8		ug/L		99	70 - 130
Trichloroethene	20.0	19.4		ug/L		97	63 - 139
Trichlorofluoromethane	20.0	28.0		ug/L		140	62 - 146
1,2,3-Trichloropropane	20.0	19.3		ug/L		97	66 - 130
1,2,4-Trimethylbenzene	20.0	21.4		ug/L		107	70 - 132
1,3,5-Trimethylbenzene	20.0	20.8		ug/L		104	65 - 134
Vinyl chloride	20.0	24.7		ug/L		124	48 - 147
o-Xylene	20.0	20.8		ug/L		104	69 - 130
2-Butanone (MEK)	40.0	35.1		ug/L		88	63 - 140
4-Methyl-2-pentanone (MIBK)	40.0	42.2		ug/L		106	64 - 137
Carbon disulfide	40.0	45.7		ug/L		114	30 - 150
2-Hexanone	40.0	36.1		ug/L		90	60 - 148
Methyl tert-butyl ether	40.0	43.4		ug/L		109	67 - 130

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*100*		*70 - 130*
4-Bromofluorobenzene	*98*		*70 - 130*
Dibromofluoromethane	*99*		*70 - 130*

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

Lab Sample ID: 660-42669-B-2 MS
Matrix: Water
Analysis Batch: 113218

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	9.9	U	40.0	29.4		ug/L		74	62 - 142
Benzene	0.50	U	20.0	18.0		ug/L		90	68 - 134
Bromobenzene	0.58	U	20.0	19.9		ug/L		99	70 - 130
Chlorobromomethane	0.58	U	20.0	17.8		ug/L		89	70 - 130
Dichlorobromomethane	0.35	U	20.0	20.5		ug/L		102	70 - 130
Bromoform	0.58	U	20.0	20.8		ug/L		104	65 - 130
Bromomethane	2.5	U	20.0	15.1		ug/L		75	22 - 150
n-Butylbenzene	0.67	U	20.0	18.7		ug/L		94	61 - 131
sec-Butylbenzene	0.63	U	20.0	18.3		ug/L		91	68 - 133
tert-Butylbenzene	0.84	U	20.0	18.4		ug/L		92	64 - 130
Carbon tetrachloride	0.42	U	20.0	16.8		ug/L		84	61 - 134
Chlorobenzene	0.63	U	20.0	20.1		ug/L		101	70 - 130
Chloroethane	2.5	U	20.0	19.2		ug/L		96	39 - 150
Chloroform	0.90	U	20.0	18.6		ug/L		93	68 - 130
Chloromethane	1.0	U	20.0	19.9		ug/L		100	35 - 150
2-Chlorotoluene	0.65	U	20.0	19.4		ug/L		97	70 - 130
4-Chlorotoluene	0.52	U	20.0	19.4		ug/L		97	70 - 130
Chlorodibromomethane	0.34	U	20.0	21.2		ug/L		106	70 - 130
1,2-Dibromo-3-Chloropropane	2.5	U	20.0	20.4		ug/L		102	63 - 130
Ethylene Dibromide	0.50	U	20.0	20.3		ug/L		102	66 - 130
Dibromomethane	0.41	U	20.0	21.1		ug/L		106	70 - 130
1,2-Dichlorobenzene	0.44	U	20.0	20.2		ug/L		101	70 - 130
1,3-Dichlorobenzene	0.64	U	20.0	20.2		ug/L		101	70 - 130
1,4-Dichlorobenzene	0.52	U	20.0	19.7		ug/L		98	70 - 130
Dichlorodifluoromethane	2.5	U	20.0	16.8		ug/L		84	16 - 149
1,1-Dichloroethane	0.52	U	20.0	18.4		ug/L		92	66 - 130
1,2-Dichloroethane	0.57	U	20.0	19.6		ug/L		98	70 - 130
1,1,1,2-Tetrachloroethane	0.63	U	20.0	19.6		ug/L		98	70 - 130
1,1-Dichloroethene	0.45	U	20.0	14.9		ug/L		75	51 - 150
cis-1,2-Dichloroethene	0.65	U	20.0	18.5		ug/L		93	66 - 130
trans-1,2-Dichloroethene	0.44	U	20.0	16.9		ug/L		85	62 - 139
1,2-Dichloropropane	0.52	U	20.0	20.8		ug/L		104	70 - 130
1,3-Dichloropropane	0.39	U	20.0	20.9		ug/L		104	70 - 130
2,2-Dichloropropane	0.36	U	20.0	17.4		ug/L		87	66 - 134
1,1-Dichloropropene	0.31	U	20.0	16.8		ug/L		84	65 - 136
cis-1,3-Dichloropropene	0.14	U	20.0	19.0		ug/L		95	70 - 130
trans-1,3-Dichloropropene	0.14	U	20.0	20.0		ug/L		100	67 - 130
Ethylbenzene	0.44	U	20.0	19.5		ug/L		98	70 - 130
Hexachlorobutadiene	0.40	U	20.0	16.8		ug/L		84	62 - 143
Isopropylbenzene	0.19	U	20.0	18.7		ug/L		93	62 - 130
4-Isopropyltoluene	0.69	U	20.0	19.7		ug/L		99	65 - 134
Methylene Chloride	4.0	U	20.0	18.5		ug/L		93	57 - 130
Naphthalene	2.5	U	20.0	20.2		ug/L		101	50 - 136
N-Propylbenzene	0.59	U	20.0	19.1		ug/L		96	67 - 130
Styrene	0.98	U	20.0	20.6		ug/L		103	68 - 131
1,1,2,2-Tetrachloroethane	0.15	U	20.0	20.2		ug/L		101	70 - 130
Tetrachloroethene	0.50	U	20.0	15.6		ug/L		78	50 - 143
Toluene	1.0	U	20.0	19.5		ug/L		97	70 - 131
1,2,3-Trichlorobenzene	0.77	U	20.0	19.7		ug/L		99	58 - 132

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

Lab Sample ID: 660-42669-B-2 MS
Matrix: Water
Analysis Batch: 113218

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
1,2,4-Trichlorobenzene	0.58	U	20.0	19.7		ug/L		99	66 - 130
1,1,1-Trichloroethane	0.46	U	20.0	17.2		ug/L		86	63 - 132
1,1,2-Trichloroethane	0.47	U	20.0	20.4		ug/L		102	70 - 130
Trichloroethene	0.50	U	20.0	16.6		ug/L		83	63 - 139
Trichlorofluoromethane	2.5	U	20.0	22.2		ug/L		111	62 - 146
1,2,3-Trichloropropane	0.18	U	20.0	21.2		ug/L		106	66 - 130
1,2,4-Trimethylbenzene	0.86	U	20.0	20.4		ug/L		102	70 - 132
1,3,5-Trimethylbenzene	0.54	U	20.0	19.4		ug/L		97	65 - 134
Vinyl chloride	0.50	U	20.0	19.9		ug/L		100	48 - 147
o-Xylene	0.50	U	20.0	20.3		ug/L		101	69 - 130
2-Butanone (MEK)	8.4	U	40.0	32.7		ug/L		82	63 - 140
4-Methyl-2-pentanone (MIBK)	3.8	U	40.0	48.4		ug/L		121	64 - 137
Carbon disulfide	1.0	U	40.0	37.9		ug/L		95	30 - 150
2-Hexanone	4.4	U	40.0	39.1		ug/L		98	60 - 148
Methyl tert-butyl ether	0.44	U	40.0	42.5		ug/L		106	67 - 130

Surrogate	*MS % Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*102*		*70 - 130*
4-Bromofluorobenzene	*98*		*70 - 130*
Dibromofluoromethane	*96*		*70 - 130*

Lab Sample ID: 660-42669-B-1 DU
Matrix: Water
Analysis Batch: 113218

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Acetone	9.9	U	9.9	U	ug/L		NC	30
Benzene	0.50	U	0.50	U	ug/L		NC	30
Bromobenzene	0.58	U	0.58	U	ug/L		NC	30
Chlorobromomethane	0.58	U	0.58	U	ug/L		NC	30
Dichlorobromomethane	0.35	U	0.35	U	ug/L		NC	30
Bromoform	0.58	U	0.58	U	ug/L		NC	30
Bromomethane	2.5	U	2.5	U	ug/L		NC	30
n-Butylbenzene	0.67	U	0.67	U	ug/L		NC	30
sec-Butylbenzene	0.63	U	0.63	U	ug/L		NC	30
tert-Butylbenzene	0.84	U	0.84	U	ug/L		NC	30
Carbon tetrachloride	0.42	U	0.42	U	ug/L		NC	30
Chlorobenzene	0.63	U	0.63	U	ug/L		NC	30
Chloroethane	2.5	U	2.5	U	ug/L		NC	30
Chloroform	0.90	U	0.90	U	ug/L		NC	30
Chloromethane	1.0	U	1.0	U	ug/L		NC	30
2-Chlorotoluene	0.65	U	0.65	U	ug/L		NC	30
4-Chlorotoluene	0.52	U	0.52	U	ug/L		NC	30
Chlorodibromomethane	0.34	U	0.34	U	ug/L		NC	30
1,2-Dibromo-3-Chloropropane	2.5	U	2.5	U	ug/L		NC	30
Ethylene Dibromide	0.50	U	0.50	U	ug/L		NC	30
Dibromomethane	0.41	U	0.41	U	ug/L		NC	30
1,2-Dichlorobenzene	0.44	U	0.44	U	ug/L		NC	30
1,3-Dichlorobenzene	0.64	U	0.64	U	ug/L		NC	30

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

Lab Sample ID: 660-42669-B-1 DU
Matrix: Water
Analysis Batch: 113218

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
1,4-Dichlorobenzene	0.52	U		0.52	U	ug/L				NC	30
Dichlorodifluoromethane	2.5	U		2.5	U	ug/L				NC	30
1,1-Dichloroethane	0.52	U		0.52	U	ug/L				NC	30
1,2-Dichloroethane	0.57	U		0.57	U	ug/L				NC	30
1,1,1,2-Tetrachloroethane	0.63	U		0.63	U	ug/L				NC	30
1,1-Dichloroethene	0.45	U		0.45	U	ug/L				NC	30
cis-1,2-Dichloroethene	0.65	U		0.65	U	ug/L				NC	30
trans-1,2-Dichloroethene	0.44	U		0.44	U	ug/L				NC	30
1,2-Dichloropropane	0.52	U		0.52	U	ug/L				NC	30
1,3-Dichloropropane	0.39	U		0.39	U	ug/L				NC	30
2,2-Dichloropropane	0.36	U		0.36	U	ug/L				NC	30
1,1-Dichloropropene	0.31	U		0.31	U	ug/L				NC	30
cis-1,3-Dichloropropene	0.14	U		0.14	U	ug/L				NC	30
trans-1,3-Dichloropropene	0.14	U		0.14	U	ug/L				NC	30
Ethylbenzene	0.44	U		0.44	U	ug/L				NC	30
Hexachlorobutadiene	0.40	U		0.40	U	ug/L				NC	30
Isopropylbenzene	0.19	U		0.19	U	ug/L				NC	30
4-Isopropyltoluene	0.69	U		0.69	U	ug/L				NC	30
Methylene Chloride	4.0	U		4.0	U	ug/L				NC	30
Naphthalene	2.5	U		2.5	U	ug/L				NC	30
N-Propylbenzene	0.59	U		0.59	U	ug/L				NC	30
Styrene	0.98	U		0.98	U	ug/L				NC	30
1,1,2,2-Tetrachloroethane	0.15	U		0.15	U	ug/L				NC	30
Tetrachloroethene	0.50	U		0.50	U	ug/L				NC	30
Toluene	1.0	U		1.0	U	ug/L				NC	30
1,2,3-Trichlorobenzene	0.77	U		0.77	U	ug/L				NC	30
1,2,4-Trichlorobenzene	0.58	U		0.58	U	ug/L				NC	30
1,1,1-Trichloroethane	0.46	U		0.46	U	ug/L				NC	30
1,1,2-Trichloroethane	0.47	U		0.47	U	ug/L				NC	30
Trichloroethene	0.50	U		0.50	U	ug/L				NC	30
Trichlorofluoromethane	2.5	U		2.5	U	ug/L				NC	30
1,2,3-Trichloropropane	0.18	U		0.18	U	ug/L				NC	30
1,2,4-Trimethylbenzene	0.86	U		0.86	U	ug/L				NC	30
1,3,5-Trimethylbenzene	0.54	U		0.54	U	ug/L				NC	30
Vinyl chloride	0.50	U		0.50	U	ug/L				NC	30
o-Xylene	0.50	U		0.50	U	ug/L				NC	30
2-Butanone (MEK)	8.4	U		8.4	U	ug/L				NC	30
4-Methyl-2-pentanone (MIBK)	3.8	U		3.8	U	ug/L				NC	30
Carbon disulfide	1.0	U		1.0	U	ug/L				NC	30
2-Hexanone	4.4	U		4.4	U	ug/L				NC	30
Methyl tert-butyl ether	0.44	U		0.44	U	ug/L				NC	30
m-Xylene & p-Xylene	0.60	U		0.60	U	ug/L				NC	30

Surrogate	*DU % Recovery*	*DU Qualifier*	*Limits*
Toluene-d8 (Surr)	*100*		*70 - 130*
4-Bromofluorobenzene	*101*		*70 - 130*
Dibromofluoromethane	*96*		*70 - 130*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Lab Sample ID: MB 660-113182/5
Matrix: Water
Analysis Batch: 113182

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			08/02/11 20:31	1

Lab Sample ID: LCS 660-113182/3
Matrix: Water
Analysis Batch: 113182

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits		
1,4-Dioxane			25.0	24.8		ug/L		99	50 - 150		

Lab Sample ID: 660-42671-2 MS
Matrix: Water
Analysis Batch: 113182

Client Sample ID: Mid Process
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits		
1,4-Dioxane	1.0	U	25.0	17.7		ug/L		71	50 - 150		

Lab Sample ID: 660-42671-2 MSD
Matrix: Water
Analysis Batch: 113182

Client Sample ID: Mid Process
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
1,4-Dioxane	1.0	U	25.0	20.3		ug/L		81	50 - 150	14	50

QC Association Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-42671-1

GC/MS VOA

Analysis Batch: 113182

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 660-113182/3	Lab Control Sample	Total/NA	Water	8260C _SIM/ID	
MB 660-113182/5	Method Blank	Total/NA	Water	8260C _SIM/ID	
660-42671-1	Primary GAC Effluent	Total/NA	Water	8260C _SIM/ID	
660-42671-2	Mid Process	Total/NA	Water	8260C _SIM/ID	
660-42671-2 MS	Mid Process	Total/NA	Water	8260C _SIM/ID	
660-42671-2 MSD	Mid Process	Total/NA	Water	8260C _SIM/ID	

Analysis Batch: 113218

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 660-113218/3	Lab Control Sample	Total/NA	Water	8260B	
MB 660-113218/5	Method Blank	Total/NA	Water	8260B	
660-42669-B-1 DU	Duplicate	Total/NA	Water	8260B	
660-42669-B-2 MS	Matrix Spike	Total/NA	Water	8260B	
660-42671-1	Primary GAC Effluent	Total/NA	Water	8260B	
660-42671-2	Mid Process	Total/NA	Water	8260B	

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-42671-1

Client Sample ID: Primary GAC Effluent

Lab Sample ID: 660-42671-1

Date Collected: 08/02/11 09:00

Matrix: Water

Date Received: 08/02/11 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C _SIM/ID		1	113182	08/02/11 21:44	RM	TAL TAM
Total/NA	Analysis	8260B		1	113218	08/02/11 16:57	RM	TAL TAM

Client Sample ID: Mid Process

Lab Sample ID: 660-42671-2

Date Collected: 08/02/11 09:10

Matrix: Water

Date Received: 08/02/11 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C _SIM/ID		1	113182	08/02/11 22:08	RM	TAL TAM
Total/NA	Analysis	8260B		1	113218	08/02/11 17:15	RM	TAL TAM

Laboratory References:

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Certification Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-42671-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Tampa	Alabama	State Program	4	40610
TestAmerica Tampa	Florida	NELAC	4	E84282
TestAmerica Tampa	Georgia	State Program	4	905
TestAmerica Tampa	USDA	USDA		P330-11-00177

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-42671-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL TAM
8260C _SIM/ID	1,4-Dioxane by SIM/Isotopic Dilution	SW846	TAL TAM

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-42671-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
660-42671-1	Primary GAC Effluent	Water	08/02/11 09:00	08/02/11 11:45
660-42671-2	Mid Process	Water	08/02/11 09:10	08/02/11 11:45

Serial Number: 021030

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Tampa
6712 Benjamin Road, Suite 100
Tampa, FL 33634
Website: www.testamericainc.com
Phone: (813) 885-7427
Fax: (813) 885-7049

Alternate Laboratory Name/Location
Phone:
Fax:

PROJECT REFERENCE: Tallevast Carbon OM	PROJECT NO.	PROJECT LOCATION (STATE): FL	PAGE 1 OF 1
SAMPLER'S SIGNATURE: [signature]	P.O. NUMBER: 38055.0038.00009	CONTRACT NO.: —	STANDARD REPORT DELIVERY: ○
CLIENT (SITE) PM: Don Sauda	CLIENT PHONE: 8137484874	CLIENT FAX: —	DATE DUE:
CLIENT NAME: Arcadis	CLIENT E-MAIL: donald.sauda@arcadis-us.com		EXPEDITED REPORT DELIVERY (SURCHARGE): ○ DATE DUE: 48 hrs
CLIENT ADDRESS: 1600 Tallevast Rd Sarasota, FL 34243			
COMPANY CONTRACTING THIS WORK (if applicable): LMC			NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

REQUIRED ANALYSIS: 8260 B/C SX 10

PRESERVATIVE: HCL

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT...)	NUMBER OF CONTAINERS SUBMITTED	REMARKS
8-2-11	0906	Primary GAC effluent	G	X				4	inf flow = 21.1
8-2-11	0910	Mud Process	G	X				4	sys flow = 21
									inf pH = 2.8
									eff pH = 7.4

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS			[signature]	8-2-11	1145			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS [signature]	8-1-11	0800	[signature]	8-2-11	1145			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	TAMPA LOG NO.	COOLER TEMP. UPON RECEIPT	LABORATORY REMARKS
			YES ○ NO ○		060-42621	4.1°C CU-07	

TAL8240-660 (0209)

08/04/2011

R625-EDC-002289-0

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 660-42671-1

Login Number: 42671

List Source: TestAmerica Tampa

List Number: 1

Creator: Redding, Charles S

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	4.1c CU-07
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Tampa
6712 Benjamin Road
Suite 100
Tampa, FL 33634
Tel: (813)885-7427

TestAmerica Job ID: 660-42806-1
Client Project/Site: Tallevast Carbon OM

For:
ARCADIS U.S. Inc
6723 Towpath Road
PO BOX 66
Syracuse, New York 13214

Attn: Donald Sauda

Authorized for release by:
08/11/2011 08:31:38 AM

Tina Fritz
Project Manager II
tina.fritz@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

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Results relate only to the items tested and the sample(s) as received by the laboratory. The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

R625-EDC-002289-0

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
U	Indicates that the compound was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis.
EPA	United States Environmental Protection Agency
ND	Not Detected above the reporting level.
MDL	Method Detection Limit
RL	Reporting Limit
RE, RE1 (etc.)	Indicates a Re-extraction or Reanalysis of the sample.
%R	Percent Recovery
RPD	Relative Percent Difference, a measure of the relative difference between two points.

Job ID: 660-42806-1

Laboratory: TestAmerica Tampa

Narrative

Job Narrative
660-42806-1

Comments
No additional comments.

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
Method 8260B: The laboratory's SOP allows for 5 analytes to recover outside criteria for this method when a full list spike is utilized. The LCS associated with batch 113506 had 1 analyte outside control limits. These results have been reported and qualified.

The method blank for preparation batch 113506 contained Hexachlorobutadiene above the reporting limit (RL). None of the samples associated with this method blank contained the target compound; therefore, re-extraction and/or re-analysis of samples were not performed.

The matrix spike (MS) recovery for batch 113506 was outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-42806-1

Client Sample ID: Primary GAC Effluent — Lab Sample ID: 660-42806-1

No Detections.

Client Sample ID: Mid Process — Lab Sample ID: 660-42806-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	10		1.0	0.52	ug/L	1		8260B	Total/NA

Client Sample ID: Primary GAC Effluent

Lab Sample ID: 660-42806-1

Date Collected: 08/09/11 09:00

Matrix: Water

Date Received: 08/09/11 09:20

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			08/09/11 17:29	1
Benzene	0.50	U	1.0	0.50	ug/L			08/09/11 17:29	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			08/09/11 17:29	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			08/09/11 17:29	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			08/09/11 17:29	1
Bromoform	0.58	U	1.0	0.58	ug/L			08/09/11 17:29	1
Bromomethane	2.5	U	5.0	2.5	ug/L			08/09/11 17:29	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			08/09/11 17:29	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			08/09/11 17:29	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			08/09/11 17:29	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			08/09/11 17:29	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			08/09/11 17:29	1
Chloroethane	2.5	U	5.0	2.5	ug/L			08/09/11 17:29	1
Chloroform	0.90	U	1.0	0.90	ug/L			08/09/11 17:29	1
Chloromethane	1.0	U	4.0	1.0	ug/L			08/09/11 17:29	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			08/09/11 17:29	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			08/09/11 17:29	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			08/09/11 17:29	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			08/09/11 17:29	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			08/09/11 17:29	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			08/09/11 17:29	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			08/09/11 17:29	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			08/09/11 17:29	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			08/09/11 17:29	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			08/09/11 17:29	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			08/09/11 17:29	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			08/09/11 17:29	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			08/09/11 17:29	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			08/09/11 17:29	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			08/09/11 17:29	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			08/09/11 17:29	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			08/09/11 17:29	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			08/09/11 17:29	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			08/09/11 17:29	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			08/09/11 17:29	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			08/09/11 17:29	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			08/09/11 17:29	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			08/09/11 17:29	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			08/09/11 17:29	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			08/09/11 17:29	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			08/09/11 17:29	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			08/09/11 17:29	1
Naphthalene	2.5	U	5.0	2.5	ug/L			08/09/11 17:29	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			08/09/11 17:29	1
Styrene	0.98	U	2.0	0.98	ug/L			08/09/11 17:29	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			08/09/11 17:29	1
Tetrachloroethene	0.50	U J3	1.0	0.50	ug/L			08/09/11 17:29	1
Toluene	1.0	U	1.0	1.0	ug/L			08/09/11 17:29	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			08/09/11 17:29	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			08/09/11 17:29	1

Client Sample ID: Primary GAC Effluent

Lab Sample ID: 660-42806-1

Date Collected: 08/09/11 09:00
Date Received: 08/09/11 09:20

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			08/09/11 17:29	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			08/09/11 17:29	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			08/09/11 17:29	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			08/09/11 17:29	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			08/09/11 17:29	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			08/09/11 17:29	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			08/09/11 17:29	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			08/09/11 17:29	1
o-Xylene	0.50	U	1.0	0.50	ug/L			08/09/11 17:29	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			08/09/11 17:29	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			08/09/11 17:29	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			08/09/11 17:29	1
2-Hexanone	4.4	U	10	4.4	ug/L			08/09/11 17:29	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			08/09/11 17:29	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			08/09/11 17:29	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*75*		*70 - 130*		*08/09/11 17:29*	*1*
4-Bromofluorobenzene	*91*		*70 - 130*		*08/09/11 17:29*	*1*
Dibromofluoromethane	*108*		*70 - 130*		*08/09/11 17:29*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			08/10/11 06:05	1

Client Sample ID: Mid Process

Lab Sample ID: 660-42806-2

Date Collected: 08/09/11 09:10
Date Received: 08/09/11 09:20

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			08/09/11 18:13	1
Benzene	0.50	U	1.0	0.50	ug/L			08/09/11 18:13	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			08/09/11 18:13	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			08/09/11 18:13	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			08/09/11 18:13	1
Bromoform	0.58	U	1.0	0.58	ug/L			08/09/11 18:13	1
Bromomethane	2.5	U	5.0	2.5	ug/L			08/09/11 18:13	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			08/09/11 18:13	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			08/09/11 18:13	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			08/09/11 18:13	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			08/09/11 18:13	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			08/09/11 18:13	1
Chloroethane	2.5	U	5.0	2.5	ug/L			08/09/11 18:13	1
Chloroform	0.90	U	1.0	0.90	ug/L			08/09/11 18:13	1
Chloromethane	1.0	U	4.0	1.0	ug/L			08/09/11 18:13	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			08/09/11 18:13	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			08/09/11 18:13	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			08/09/11 18:13	1

Client Sample ID: Mid Process

Lab Sample ID: 660-42806-2

Date Collected: 08/09/11 09:10

Matrix: Water

Date Received: 08/09/11 09:20

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			08/09/11 18:13	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			08/09/11 18:13	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			08/09/11 18:13	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			08/09/11 18:13	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			08/09/11 18:13	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			08/09/11 18:13	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			08/09/11 18:13	1
1,1-Dichloroethane	**10**		1.0	0.52	ug/L			08/09/11 18:13	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			08/09/11 18:13	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			08/09/11 18:13	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			08/09/11 18:13	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			08/09/11 18:13	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			08/09/11 18:13	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			08/09/11 18:13	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			08/09/11 18:13	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			08/09/11 18:13	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			08/09/11 18:13	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			08/09/11 18:13	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			08/09/11 18:13	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			08/09/11 18:13	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			08/09/11 18:13	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			08/09/11 18:13	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			08/09/11 18:13	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			08/09/11 18:13	1
Naphthalene	2.5	U	5.0	2.5	ug/L			08/09/11 18:13	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			08/09/11 18:13	1
Styrene	0.98	U	2.0	0.98	ug/L			08/09/11 18:13	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			08/09/11 18:13	1
Tetrachloroethene	0.50	U J3	1.0	0.50	ug/L			08/09/11 18:13	1
Toluene	1.0	U	1.0	1.0	ug/L			08/09/11 18:13	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			08/09/11 18:13	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			08/09/11 18:13	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			08/09/11 18:13	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			08/09/11 18:13	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			08/09/11 18:13	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			08/09/11 18:13	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			08/09/11 18:13	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			08/09/11 18:13	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			08/09/11 18:13	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			08/09/11 18:13	1
o-Xylene	0.50	U	1.0	0.50	ug/L			08/09/11 18:13	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			08/09/11 18:13	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			08/09/11 18:13	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			08/09/11 18:13	1
2-Hexanone	4.4	U	10	4.4	ug/L			08/09/11 18:13	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			08/09/11 18:13	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			08/09/11 18:13	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*70 - 130*		*08/09/11 18:13*	*1*

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-42806-1

Client Sample ID: Mid Process

Lab Sample ID: 660-42806-2

Date Collected: 08/09/11 09:10
Matrix: Water
Date Received: 08/09/11 09:20

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

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*70 - 130*		*08/09/11 18:13*	*1*
Dibromofluoromethane	*101*		*70 - 130*		*08/09/11 18:13*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			08/10/11 06:28	1

Surrogate Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-42806-1

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		TOL	BFB	DBFM
Lab Sample ID	**Client Sample ID**	**(70-130)**	**(70-130)**	**(70-130)**
660-42806-1	Primary GAC Effluent	75	91	108
660-42806-1 DU	Primary GAC Effluent	83	93	103
660-42806-2	Mid Process	92	94	101
660-42806-2 MS	Mid Process	94	91	101
LCS 660-113506/3	Lab Control Sample	95	92	108
MB 660-113506/5	Method Blank	91	93	100

Surrogate Legend

TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane

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

Lab Sample ID: MB 660-113506/5
Matrix: Water
Analysis Batch: 113506

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			08/09/11 14:46	1
Benzene	0.50	U	1.0	0.50	ug/L			08/09/11 14:46	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			08/09/11 14:46	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			08/09/11 14:46	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			08/09/11 14:46	1
Bromoform	0.58	U	1.0	0.58	ug/L			08/09/11 14:46	1
Bromomethane	2.5	U	5.0	2.5	ug/L			08/09/11 14:46	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			08/09/11 14:46	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			08/09/11 14:46	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			08/09/11 14:46	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			08/09/11 14:46	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			08/09/11 14:46	1
Chloroethane	2.5	U	5.0	2.5	ug/L			08/09/11 14:46	1
Chloroform	0.90	U	1.0	0.90	ug/L			08/09/11 14:46	1
Chloromethane	1.0	U	4.0	1.0	ug/L			08/09/11 14:46	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			08/09/11 14:46	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			08/09/11 14:46	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			08/09/11 14:46	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			08/09/11 14:46	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			08/09/11 14:46	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			08/09/11 14:46	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			08/09/11 14:46	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			08/09/11 14:46	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			08/09/11 14:46	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			08/09/11 14:46	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			08/09/11 14:46	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			08/09/11 14:46	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			08/09/11 14:46	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			08/09/11 14:46	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			08/09/11 14:46	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			08/09/11 14:46	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			08/09/11 14:46	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			08/09/11 14:46	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			08/09/11 14:46	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			08/09/11 14:46	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			08/09/11 14:46	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			08/09/11 14:46	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			08/09/11 14:46	1
Hexachlorobutadiene	0.606	I	1.0	0.40	ug/L			08/09/11 14:46	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			08/09/11 14:46	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			08/09/11 14:46	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			08/09/11 14:46	1
Naphthalene	2.5	U	5.0	2.5	ug/L			08/09/11 14:46	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			08/09/11 14:46	1
Styrene	0.98	U	2.0	0.98	ug/L			08/09/11 14:46	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			08/09/11 14:46	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			08/09/11 14:46	1
Toluene	1.0	U	1.0	1.0	ug/L			08/09/11 14:46	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			08/09/11 14:46	1

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

Lab Sample ID: MB 660-113506/5
Matrix: Water
Analysis Batch: 113506

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			08/09/11 14:46	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			08/09/11 14:46	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			08/09/11 14:46	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			08/09/11 14:46	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			08/09/11 14:46	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			08/09/11 14:46	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			08/09/11 14:46	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			08/09/11 14:46	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			08/09/11 14:46	1
o-Xylene	0.50	U	1.0	0.50	ug/L			08/09/11 14:46	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			08/09/11 14:46	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			08/09/11 14:46	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			08/09/11 14:46	1
2-Hexanone	4.4	U	10	4.4	ug/L			08/09/11 14:46	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			08/09/11 14:46	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			08/09/11 14:46	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*91*		*70 - 130*		*08/09/11 14:46*	*1*
4-Bromofluorobenzene	*93*		*70 - 130*		*08/09/11 14:46*	*1*
Dibromofluoromethane	*100*		*70 - 130*		*08/09/11 14:46*	*1*

Lab Sample ID: LCS 660-113506/3
Matrix: Water
Analysis Batch: 113506

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	40.0	40.5		ug/L		101	62 - 142
Benzene	20.0	21.9		ug/L		110	68 - 134
Bromobenzene	20.0	22.8		ug/L		114	70 - 130
Chlorobromomethane	20.0	22.3		ug/L		112	70 - 130
Dichlorobromomethane	20.0	19.0		ug/L		95	70 - 130
Bromoform	20.0	21.3		ug/L		107	65 - 130
Bromomethane	20.0	13.9		ug/L		70	22 - 150
n-Butylbenzene	20.0	22.2		ug/L		111	61 - 131
sec-Butylbenzene	20.0	20.8		ug/L		104	68 - 133
tert-Butylbenzene	20.0	22.3		ug/L		111	64 - 130
Carbon tetrachloride	20.0	22.2		ug/L		111	61 - 134
Chlorobenzene	20.0	21.7		ug/L		109	70 - 130
Chloroethane	20.0	23.6		ug/L		118	39 - 150
Chloroform	20.0	20.8		ug/L		104	68 - 130
Chloromethane	20.0	21.7		ug/L		109	35 - 150
2-Chlorotoluene	20.0	21.8		ug/L		109	70 - 130
4-Chlorotoluene	20.0	23.0		ug/L		115	70 - 130
Chlorodibromomethane	20.0	18.4		ug/L		92	70 - 130
1,2-Dibromo-3-Chloropropane	20.0	18.2		ug/L		91	63 - 130
Ethylene Dibromide	20.0	18.8		ug/L		94	66 - 130
Dibromomethane	20.0	18.0		ug/L		90	70 - 130
1,2-Dichlorobenzene	20.0	23.7		ug/L		118	70 - 130

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

Lab Sample ID: LCS 660-113506/3
Matrix: Water
Analysis Batch: 113506

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
1,3-Dichlorobenzene	20.0	23.7		ug/L		119	70 - 130
1,4-Dichlorobenzene	20.0	23.2		ug/L		116	70 - 130
Dichlorodifluoromethane	20.0	18.8		ug/L		94	16 - 149
1,1-Dichloroethane	20.0	20.6		ug/L		103	66 - 130
1,2-Dichloroethane	20.0	19.5		ug/L		98	70 - 130
1,1,1,2-Tetrachloroethane	20.0	22.3		ug/L		112	70 - 130
1,1-Dichloroethene	20.0	23.8		ug/L		119	51 - 150
cis-1,2-Dichloroethene	20.0	21.1		ug/L		105	66 - 130
trans-1,2-Dichloroethene	20.0	23.3		ug/L		116	62 - 139
1,2-Dichloropropane	20.0	17.6		ug/L		88	70 - 130
1,3-Dichloropropane	20.0	17.6		ug/L		88	70 - 130
2,2-Dichloropropane	20.0	25.3		ug/L		127	66 - 134
1,1-Dichloropropene	20.0	20.0		ug/L		100	65 - 136
cis-1,3-Dichloropropene	20.0	15.4		ug/L		77	70 - 130
trans-1,3-Dichloropropene	20.0	14.8		ug/L		74	67 - 130
Ethylbenzene	20.0	19.6		ug/L		98	70 - 130
Hexachlorobutadiene	20.0	26.6		ug/L		133	62 - 143
Isopropylbenzene	20.0	19.5		ug/L		97	62 - 130
4-Isopropyltoluene	20.0	22.3		ug/L		111	65 - 134
Methylene Chloride	20.0	23.4		ug/L		117	57 - 130
Naphthalene	20.0	15.2		ug/L		76	50 - 136
N-Propylbenzene	20.0	20.4		ug/L		102	67 - 130
Styrene	20.0	19.6		ug/L		98	68 - 131
1,1,2,2-Tetrachloroethane	20.0	21.0		ug/L		105	70 - 130
Tetrachloroethene	20.0	9.12	J3	ug/L		46	50 - 143
Toluene	20.0	19.5		ug/L		97	70 - 131
1,2,3-Trichlorobenzene	20.0	22.9		ug/L		115	58 - 132
1,2,4-Trichlorobenzene	20.0	23.7		ug/L		118	66 - 130
1,1,1-Trichloroethane	20.0	23.7		ug/L		119	63 - 132
1,1,2-Trichloroethane	20.0	18.3		ug/L		92	70 - 130
Trichloroethene	20.0	18.6		ug/L		93	63 - 139
Trichlorofluoromethane	20.0	29.0		ug/L		145	62 - 146
1,2,3-Trichloropropane	20.0	20.6		ug/L		103	66 - 130
1,2,4-Trimethylbenzene	20.0	20.4		ug/L		102	70 - 132
1,3,5-Trimethylbenzene	20.0	21.2		ug/L		106	65 - 134
Vinyl chloride	20.0	21.8		ug/L		109	48 - 147
o-Xylene	20.0	20.5		ug/L		103	69 - 130
2-Butanone (MEK)	40.0	33.7		ug/L		84	63 - 140
4-Methyl-2-pentanone (MIBK)	40.0	30.0		ug/L		75	64 - 137
Carbon disulfide	40.0	54.1		ug/L		135	30 - 150
2-Hexanone	40.0	26.1		ug/L		65	60 - 148
Methyl tert-butyl ether	40.0	39.2		ug/L		98	67 - 130

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*95*		*70 - 130*
4-Bromofluorobenzene	*92*		*70 - 130*
Dibromofluoromethane	*108*		*70 - 130*

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

Lab Sample ID: 660-42806-2 MS
Matrix: Water
Analysis Batch: 113506

Client Sample ID: Mid Process
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	9.9	U	40.0	38.7		ug/L		97	62 - 142
Benzene	0.50	U	20.0	20.9		ug/L		104	68 - 134
Bromobenzene	0.58	U	20.0	23.9		ug/L		120	70 - 130
Chlorobromomethane	0.58	U	20.0	21.5		ug/L		107	70 - 130
Dichlorobromomethane	0.35	U	20.0	20.1		ug/L		100	70 - 130
Bromoform	0.58	U	20.0	21.8		ug/L		109	65 - 130
Bromomethane	2.5	U	20.0	13.7		ug/L		69	22 - 150
n-Butylbenzene	0.67	U	20.0	20.7		ug/L		104	61 - 131
sec-Butylbenzene	0.63	U	20.0	19.0		ug/L		95	68 - 133
tert-Butylbenzene	0.84	U	20.0	20.7		ug/L		104	64 - 130
Carbon tetrachloride	0.42	U	20.0	18.6		ug/L		93	61 - 134
Chlorobenzene	0.63	U	20.0	22.7		ug/L		113	70 - 130
Chloroethane	2.5	U	20.0	22.1		ug/L		110	39 - 150
Chloroform	0.90	U	20.0	20.8		ug/L		104	68 - 130
Chloromethane	1.0	U	20.0	20.3		ug/L		102	35 - 150
2-Chlorotoluene	0.65	U	20.0	22.0		ug/L		110	70 - 130
4-Chlorotoluene	0.52	U	20.0	23.1		ug/L		115	70 - 130
Chlorodibromomethane	0.34	U	20.0	19.1		ug/L		96	70 - 130
1,2-Dibromo-3-Chloropropane	2.5	U	20.0	17.8		ug/L		89	63 - 130
Ethylene Dibromide	0.50	U	20.0	19.0		ug/L		95	66 - 130
Dibromomethane	0.41	U	20.0	18.7		ug/L		94	70 - 130
1,2-Dichlorobenzene	0.44	U	20.0	24.9		ug/L		124	70 - 130
1,3-Dichlorobenzene	0.64	U	20.0	24.0		ug/L		120	70 - 130
1,4-Dichlorobenzene	0.52	U	20.0	24.0		ug/L		120	70 - 130
Dichlorodifluoromethane	2.5	U	20.0	14.2		ug/L		71	16 - 149
1,1-Dichloroethane	10		20.0	28.9		ug/L		94	66 - 130
1,2-Dichloroethane	0.57	U	20.0	19.5		ug/L		98	70 - 130
1,1,1,2-Tetrachloroethane	0.63	U	20.0	23.4		ug/L		117	70 - 130
1,1-Dichloroethene	0.45	U	20.0	19.8		ug/L		99	51 - 150
cis-1,2-Dichloroethene	0.65	U	20.0	20.3		ug/L		101	66 - 130
trans-1,2-Dichloroethene	0.44	U	20.0	21.8		ug/L		109	62 - 139
1,2-Dichloropropane	0.52	U	20.0	18.9		ug/L		94	70 - 130
1,3-Dichloropropane	0.39	U	20.0	18.1		ug/L		91	70 - 130
2,2-Dichloropropane	0.36	U	20.0	23.0		ug/L		115	66 - 134
1,1-Dichloropropene	0.31	U	20.0	16.6		ug/L		83	65 - 136
cis-1,3-Dichloropropene	0.14	U	20.0	15.2		ug/L		76	70 - 130
trans-1,3-Dichloropropene	0.14	U	20.0	15.2		ug/L		76	67 - 130
Ethylbenzene	0.44	U	20.0	19.6		ug/L		98	70 - 130
Hexachlorobutadiene	0.40	U	20.0	24.6		ug/L		123	62 - 143
Isopropylbenzene	0.19	U	20.0	18.5		ug/L		93	62 - 130
4-Isopropyltoluene	0.69	U	20.0	21.4		ug/L		107	65 - 134
Methylene Chloride	4.0	U	20.0	22.3		ug/L		112	57 - 130
Naphthalene	2.5	U	20.0	15.6		ug/L		78	50 - 136
N-Propylbenzene	0.59	U	20.0	19.5		ug/L		98	67 - 130
Styrene	0.98	U	20.0	17.3		ug/L		87	68 - 131
1,1,2,2-Tetrachloroethane	0.15	U	20.0	22.6		ug/L		113	70 - 130
Tetrachloroethene	0.50	U J3	20.0	8.38	J3	ug/L		42	50 - 143
Toluene	1.0	U	20.0	19.7		ug/L		98	70 - 131
1,2,3-Trichlorobenzene	0.77	U	20.0	24.1		ug/L		121	58 - 132

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

Lab Sample ID: 660-42806-2 MS
Matrix: Water
Analysis Batch: 113506

Client Sample ID: Mid Process
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
1,2,4-Trichlorobenzene	0.58	U	20.0	24.2		ug/L		121	66 - 130
1,1,1-Trichloroethane	0.46	U	20.0	20.8		ug/L		104	63 - 132
1,1,2-Trichloroethane	0.47	U	20.0	19.6		ug/L		98	70 - 130
Trichloroethene	0.50	U	20.0	18.0		ug/L		90	63 - 139
Trichlorofluoromethane	2.5	U	20.0	24.2		ug/L		121	62 - 146
1,2,3-Trichloropropane	0.18	U	20.0	21.8		ug/L		109	66 - 130
1,2,4-Trimethylbenzene	0.86	U	20.0	19.0		ug/L		95	70 - 132
1,3,5-Trimethylbenzene	0.54	U	20.0	19.9		ug/L		99	65 - 134
Vinyl chloride	0.50	U	20.0	18.6		ug/L		93	48 - 147
o-Xylene	0.50	U	20.0	20.8		ug/L		104	69 - 130
2-Butanone (MEK)	8.4	U	40.0	30.8		ug/L		77	63 - 140
4-Methyl-2-pentanone (MIBK)	3.8	U	40.0	31.4		ug/L		78	64 - 137
Carbon disulfide	1.0	U	40.0	46.8		ug/L		117	30 - 150
2-Hexanone	4.4	U	40.0	25.5		ug/L		64	60 - 148
Methyl tert-butyl ether	0.44	U	40.0	40.4		ug/L		101	67 - 130

Surrogate	*MS % Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*94*		*70 - 130*
4-Bromofluorobenzene	*91*		*70 - 130*
Dibromofluoromethane	*101*		*70 - 130*

Lab Sample ID: 660-42806-1 DU
Matrix: Water
Analysis Batch: 113506

Client Sample ID: Primary GAC Effluent
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Acetone	9.9	U	9.9	U	ug/L		NC	30
Benzene	0.50	U	0.50	U	ug/L		NC	30
Bromobenzene	0.58	U	0.58	U	ug/L		NC	30
Chlorobromomethane	0.58	U	0.58	U	ug/L		NC	30
Dichlorobromomethane	0.35	U	0.35	U	ug/L		NC	30
Bromoform	0.58	U	0.58	U	ug/L		NC	30
Bromomethane	2.5	U	2.5	U	ug/L		NC	30
n-Butylbenzene	0.67	U	0.67	U	ug/L		NC	30
sec-Butylbenzene	0.63	U	0.63	U	ug/L		NC	30
tert-Butylbenzene	0.84	U	0.84	U	ug/L		NC	30
Carbon tetrachloride	0.42	U	0.42	U	ug/L		NC	30
Chlorobenzene	0.63	U	0.63	U	ug/L		NC	30
Chloroethane	2.5	U	2.5	U	ug/L		NC	30
Chloroform	0.90	U	0.90	U	ug/L		NC	30
Chloromethane	1.0	U	1.0	U	ug/L		NC	30
2-Chlorotoluene	0.65	U	0.65	U	ug/L		NC	30
4-Chlorotoluene	0.52	U	0.52	U	ug/L		NC	30
Chlorodibromomethane	0.34	U	0.34	U	ug/L		NC	30
1,2-Dibromo-3-Chloropropane	2.5	U	2.5	U	ug/L		NC	30
Ethylene Dibromide	0.50	U	0.50	U	ug/L		NC	30
Dibromomethane	0.41	U	0.41	U	ug/L		NC	30
1,2-Dichlorobenzene	0.44	U	0.44	U	ug/L		NC	30
1,3-Dichlorobenzene	0.64	U	0.64	U	ug/L		NC	30

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

Lab Sample ID: 660-42806-1 DU
Matrix: Water
Analysis Batch: 113506

Client Sample ID: Primary GAC Effluent
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
1,4-Dichlorobenzene	0.52	U		0.52	U	ug/L				NC	30
Dichlorodifluoromethane	2.5	U		2.5	U	ug/L				NC	30
1,1-Dichloroethane	0.52	U		0.52	U	ug/L				NC	30
1,2-Dichloroethane	0.57	U		0.57	U	ug/L				NC	30
1,1,1,2-Tetrachloroethane	0.63	U		0.63	U	ug/L				NC	30
1,1-Dichloroethene	0.45	U		0.45	U	ug/L				NC	30
cis-1,2-Dichloroethene	0.65	U		0.65	U	ug/L				NC	30
trans-1,2-Dichloroethene	0.44	U		0.44	U	ug/L				NC	30
1,2-Dichloropropane	0.52	U		0.52	U	ug/L				NC	30
1,3-Dichloropropane	0.39	U		0.39	U	ug/L				NC	30
2,2-Dichloropropane	0.36	U		0.36	U	ug/L				NC	30
1,1-Dichloropropene	0.31	U		0.31	U	ug/L				NC	30
cis-1,3-Dichloropropene	0.14	U		0.14	U	ug/L				NC	30
trans-1,3-Dichloropropene	0.14	U		0.14	U	ug/L				NC	30
Ethylbenzene	0.44	U		0.44	U	ug/L				NC	30
Hexachlorobutadiene	0.40	U		0.40	U	ug/L				NC	30
Isopropylbenzene	0.19	U		0.19	U	ug/L				NC	30
4-Isopropyltoluene	0.69	U		0.69	U	ug/L				NC	30
Methylene Chloride	4.0	U		4.0	U	ug/L				NC	30
Naphthalene	2.5	U		2.5	U	ug/L				NC	30
N-Propylbenzene	0.59	U		0.59	U	ug/L				NC	30
Styrene	0.98	U		0.98	U	ug/L				NC	30
1,1,2,2-Tetrachloroethane	0.15	U		0.15	U	ug/L				NC	30
Tetrachloroethene	0.50	U J3		0.50	U J3	ug/L				NC	30
Toluene	1.0	U		1.0	U	ug/L				NC	30
1,2,3-Trichlorobenzene	0.77	U		0.77	U	ug/L				NC	30
1,2,4-Trichlorobenzene	0.58	U		0.58	U	ug/L				NC	30
1,1,1-Trichloroethane	0.46	U		0.46	U	ug/L				NC	30
1,1,2-Trichloroethane	0.47	U		0.47	U	ug/L				NC	30
Trichloroethene	0.50	U		0.50	U	ug/L				NC	30
Trichlorofluoromethane	2.5	U		2.5	U	ug/L				NC	30
1,2,3-Trichloropropane	0.18	U		0.18	U	ug/L				NC	30
1,2,4-Trimethylbenzene	0.86	U		0.86	U	ug/L				NC	30
1,3,5-Trimethylbenzene	0.54	U		0.54	U	ug/L				NC	30
Vinyl chloride	0.50	U		0.50	U	ug/L				NC	30
o-Xylene	0.50	U		0.50	U	ug/L				NC	30
2-Butanone (MEK)	8.4	U		8.4	U	ug/L				NC	30
4-Methyl-2-pentanone (MIBK)	3.8	U		3.8	U	ug/L				NC	30
Carbon disulfide	1.0	U		1.0	U	ug/L				NC	30
2-Hexanone	4.4	U		4.4	U	ug/L				NC	30
Methyl tert-butyl ether	0.44	U		0.44	U	ug/L				NC	30
m-Xylene & p-Xylene	0.60	U		0.60	U	ug/L				NC	30

Surrogate	*DU % Recovery*	*DU Qualifier*	*Limits*
Toluene-d8 (Surr)	*83*		*70 - 130*
4-Bromofluorobenzene	*93*		*70 - 130*
Dibromofluoromethane	*103*		*70 - 130*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Lab Sample ID: MB 660-113508/5
Matrix: Water
Analysis Batch: 113508

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			08/09/11 23:47	1

Lab Sample ID: LCS 660-113508/3
Matrix: Water
Analysis Batch: 113508

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
1,4-Dioxane	25.0	23.7		ug/L		95	50 - 150

Lab Sample ID: 660-42744-H-1 MS
Matrix: Water
Analysis Batch: 113508

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
1,4-Dioxane	1.0	U	25.0	17.9		ug/L		72	50 - 150

Lab Sample ID: 660-42744-H-1 MSD
Matrix: Water
Analysis Batch: 113508

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
1,4-Dioxane	1.0	U	25.0	23.5		ug/L		94	50 - 150	27	50

QC Association Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-42806-1

GC/MS VOA

Analysis Batch: 113506

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 660-113506/3	Lab Control Sample	Total/NA	Water	8260B	
MB 660-113506/5	Method Blank	Total/NA	Water	8260B	
660-42806-1	Primary GAC Effluent	Total/NA	Water	8260B	
660-42806-1 DU	Primary GAC Effluent	Total/NA	Water	8260B	
660-42806-2	Mid Process	Total/NA	Water	8260B	
660-42806-2 MS	Mid Process	Total/NA	Water	8260B	

Analysis Batch: 113508

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 660-113508/3	Lab Control Sample	Total/NA	Water	8260C _SIM/ID	
MB 660-113508/5	Method Blank	Total/NA	Water	8260C _SIM/ID	
660-42744-H-1 MS	Matrix Spike	Total/NA	Water	8260C _SIM/ID	
660-42744-H-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8260C _SIM/ID	
660-42806-1	Primary GAC Effluent	Total/NA	Water	8260C _SIM/ID	
660-42806-2	Mid Process	Total/NA	Water	8260C _SIM/ID	

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-42806-1

Client Sample ID: Primary GAC Effluent

Lab Sample ID: 660-42806-1

Date Collected: 08/09/11 09:00
Matrix: Water
Date Received: 08/09/11 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	113506	08/09/11 17:29	RM	TAL TAM
Total/NA	Analysis	8260C _SIM/ID		1	113508	08/10/11 06:05	RM	TAL TAM

Client Sample ID: Mid Process

Lab Sample ID: 660-42806-2

Date Collected: 08/09/11 09:10
Matrix: Water
Date Received: 08/09/11 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	113506	08/09/11 18:13	RM	TAL TAM
Total/NA	Analysis	8260C _SIM/ID		1	113508	08/10/11 06:28	RM	TAL TAM

Laboratory References:
TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Certification Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-42806-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Tampa	Alabama	State Program	4	40610
TestAmerica Tampa	Florida	NELAC	4	E84282
TestAmerica Tampa	Georgia	State Program	4	905
TestAmerica Tampa	USDA	USDA		P330-11-00177

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-42806-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL TAM
8260C _SIM/ID	1,4-Dioxane by SIM/Isotopic Dilution	SW846	TAL TAM

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-42806-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
660-42806-1	Primary GAC Effluent	Water	08/09/11 09:00	08/09/11 09:20
660-42806-2	Mid Process	Water	08/09/11 09:10	08/09/11 09:20

Serial Number 021937

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Tampa
6712 Benjamin Road, Suite 100
Tampa, FL 33634
Website: www.testamericainc.com
Phone: (813) 885-7427
Fax: (813) 885-7049

Alternate Laboratory Name/Location
Phone:
Fax:

PROJECT REFERENCE	Tallevast Carbon om
PROJECT NO.	—
PROJECT LOCATION (STATE)	Fl
SAMPLER'S SIGNATURE	[signature]
P.O. NUMBER	3038655.0038.00069
CONTRACT NO.	—
CLIENT (SITE) PM	Don Savde
CLIENT PHONE	8137484874
CLIENT FAX	
CLIENT NAME	Arcadis
CLIENT E-MAIL	donald.savde@arcadisus.com
CLIENT ADDRESS	1600 Tallevast Rd Sarasota, FL 34243
COMPANY CONTRACTING THIS WORK (if applicable)	LMC

PAGE 1 OF 1

STANDARD REPORT DELIVERY ( )
DATE DUE
EXPEDITED REPORT DELIVERY (SURCHARGE) (X)
DATE DUE 48hrs
NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

REQUIRED ANALYSIS: 8260 B/C Sim 1,4

PRESERVATIVE: HCl

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT...)	NUMBER OF CONTAINERS SUBMITTED	REMARKS
8-9-11	0900	Primary GAC Effluent	G X					4	Inf flow = 0
8-9-11	0910	Mid Process	G X					4	sys flow = 24
									inf pH = 2.8
									eff pH = 5.9

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS			[signature]	8-9-11	0920			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS [signature]	8-8-11	0800	[signature]	8-9-11	0920			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	TAMPA LOG NO.	COOLER TEMP. UPON RECEIPT	LABORATORY REMARKS
			YES ( ) NO ( )		L60-42806	2.0C Cu-07	

TAL8240-660 (0209)

08/11/2011

R625-EDC-002289-0

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 660-42806-1

Login Number: 42806

List Source: TestAmerica Tampa

List Number: 1

Creator: Redding, Charles S

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	2.0c CU-07
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	True	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Tampa
6712 Benjamin Road
Suite 100
Tampa, FL 33634
Tel: (813)885-7427

TestAmerica Job ID: 660-42939-1
Client Project/Site: Tallevast Carbon OM

For:
ARCADIS U.S. Inc
6723 Towpath Road
PO BOX 66
Syracuse, New York 13214

Attn: Donald Sauda

Authorized for release by:
08/19/2011 11:41:19 AM
Terry Hornsby
Operations Manager
terry.hornsby@testamericainc.com

Designee for

Tina Fritz
Project Manager II
tina.fritz@testamericainc.com

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R625-EDC-002289-0

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Definitions/Glossary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-42939-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates that the compound was analyzed for but not detected.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit (Dioxin)
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or method detection limit if shown)
PQL	Practical Quantitation Limit
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-42939-1

Job ID: 660-42939-1

Laboratory: TestAmerica Tampa

Narrative

Job Narrative
660-42939-1

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
Method 8260B: The method blank for preparation batch 113886 contained Hexachlorobutadiene between the method detection limit (MDL) and the reporting limit (RL). None of the samples associated with this method blank contained the target compound; therefore, re-analysis of samples were not performed.

No other analytical or quality issues were noted.

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-42939-1

Client Sample ID: Primary GAC Effluent — Lab Sample ID: 660-42939-1

No Detections

Client Sample ID: Mid Process — Lab Sample ID: 660-42939-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	13		1.0	0.52	ug/L	1		8260B	Total/NA

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-42939-1

Client Sample ID: Primary GAC Effluent

Lab Sample ID: 660-42939-1

Date Collected: 08/16/11 08:15
Matrix: Water
Date Received: 08/16/11 10:40

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			08/17/11 17:24	1
Benzene	0.50	U	1.0	0.50	ug/L			08/17/11 17:24	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			08/17/11 17:24	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			08/17/11 17:24	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			08/17/11 17:24	1
Bromoform	0.58	U	1.0	0.58	ug/L			08/17/11 17:24	1
Bromomethane	2.5	U	5.0	2.5	ug/L			08/17/11 17:24	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			08/17/11 17:24	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			08/17/11 17:24	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			08/17/11 17:24	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			08/17/11 17:24	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			08/17/11 17:24	1
Chloroethane	2.5	U	5.0	2.5	ug/L			08/17/11 17:24	1
Chloroform	0.90	U	1.0	0.90	ug/L			08/17/11 17:24	1
Chloromethane	1.0	U	4.0	1.0	ug/L			08/17/11 17:24	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			08/17/11 17:24	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			08/17/11 17:24	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			08/17/11 17:24	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			08/17/11 17:24	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			08/17/11 17:24	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			08/17/11 17:24	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			08/17/11 17:24	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			08/17/11 17:24	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			08/17/11 17:24	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			08/17/11 17:24	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			08/17/11 17:24	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			08/17/11 17:24	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			08/17/11 17:24	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			08/17/11 17:24	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			08/17/11 17:24	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			08/17/11 17:24	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			08/17/11 17:24	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			08/17/11 17:24	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			08/17/11 17:24	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			08/17/11 17:24	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			08/17/11 17:24	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			08/17/11 17:24	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			08/17/11 17:24	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			08/17/11 17:24	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			08/17/11 17:24	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			08/17/11 17:24	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			08/17/11 17:24	1
Naphthalene	2.5	U	5.0	2.5	ug/L			08/17/11 17:24	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			08/17/11 17:24	1
Styrene	0.98	U	2.0	0.98	ug/L			08/17/11 17:24	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			08/17/11 17:24	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			08/17/11 17:24	1
Toluene	1.0	U	1.0	1.0	ug/L			08/17/11 17:24	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			08/17/11 17:24	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			08/17/11 17:24	1

Client Sample ID: Primary GAC Effluent

Lab Sample ID: 660-42939-1

Date Collected: 08/16/11 08:15
Matrix: Water
Date Received: 08/16/11 10:40

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			08/17/11 17:24	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			08/17/11 17:24	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			08/17/11 17:24	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			08/17/11 17:24	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			08/17/11 17:24	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			08/17/11 17:24	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			08/17/11 17:24	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			08/17/11 17:24	1
o-Xylene	0.50	U	1.0	0.50	ug/L			08/17/11 17:24	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			08/17/11 17:24	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			08/17/11 17:24	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			08/17/11 17:24	1
2-Hexanone	4.4	U	10	4.4	ug/L			08/17/11 17:24	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			08/17/11 17:24	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			08/17/11 17:24	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*70 - 130*		*08/17/11 17:24*	*1*
4-Bromofluorobenzene	*99*		*70 - 130*		*08/17/11 17:24*	*1*
Dibromofluoromethane	*100*		*70 - 130*		*08/17/11 17:24*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			08/18/11 18:48	1

Client Sample ID: Mid Process

Lab Sample ID: 660-42939-2

Date Collected: 08/16/11 08:20
Matrix: Water
Date Received: 08/16/11 10:40

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			08/17/11 17:46	1
Benzene	0.50	U	1.0	0.50	ug/L			08/17/11 17:46	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			08/17/11 17:46	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			08/17/11 17:46	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			08/17/11 17:46	1
Bromoform	0.58	U	1.0	0.58	ug/L			08/17/11 17:46	1
Bromomethane	2.5	U	5.0	2.5	ug/L			08/17/11 17:46	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			08/17/11 17:46	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			08/17/11 17:46	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			08/17/11 17:46	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			08/17/11 17:46	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			08/17/11 17:46	1
Chloroethane	2.5	U	5.0	2.5	ug/L			08/17/11 17:46	1
Chloroform	0.90	U	1.0	0.90	ug/L			08/17/11 17:46	1
Chloromethane	1.0	U	4.0	1.0	ug/L			08/17/11 17:46	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			08/17/11 17:46	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			08/17/11 17:46	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			08/17/11 17:46	1

Client Sample ID: Mid Process

Lab Sample ID: 660-42939-2

Date Collected: 08/16/11 08:20
Date Received: 08/16/11 10:40

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			08/17/11 17:46	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			08/17/11 17:46	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			08/17/11 17:46	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			08/17/11 17:46	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			08/17/11 17:46	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			08/17/11 17:46	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			08/17/11 17:46	1
1,1-Dichloroethane	**13**		1.0	0.52	ug/L			08/17/11 17:46	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			08/17/11 17:46	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			08/17/11 17:46	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			08/17/11 17:46	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			08/17/11 17:46	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			08/17/11 17:46	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			08/17/11 17:46	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			08/17/11 17:46	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			08/17/11 17:46	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			08/17/11 17:46	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			08/17/11 17:46	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			08/17/11 17:46	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			08/17/11 17:46	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			08/17/11 17:46	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			08/17/11 17:46	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			08/17/11 17:46	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			08/17/11 17:46	1
Naphthalene	2.5	U	5.0	2.5	ug/L			08/17/11 17:46	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			08/17/11 17:46	1
Styrene	0.98	U	2.0	0.98	ug/L			08/17/11 17:46	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			08/17/11 17:46	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			08/17/11 17:46	1
Toluene	1.0	U	1.0	1.0	ug/L			08/17/11 17:46	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			08/17/11 17:46	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			08/17/11 17:46	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			08/17/11 17:46	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			08/17/11 17:46	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			08/17/11 17:46	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			08/17/11 17:46	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			08/17/11 17:46	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			08/17/11 17:46	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			08/17/11 17:46	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			08/17/11 17:46	1
o-Xylene	0.50	U	1.0	0.50	ug/L			08/17/11 17:46	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			08/17/11 17:46	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			08/17/11 17:46	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			08/17/11 17:46	1
2-Hexanone	4.4	U	10	4.4	ug/L			08/17/11 17:46	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			08/17/11 17:46	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			08/17/11 17:46	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*70 - 130*		*08/17/11 17:46*	*1*

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-42939-1

Client Sample ID: Mid Process

Date Collected: 08/16/11 08:20
Date Received: 08/16/11 10:40

Lab Sample ID: 660-42939-2

Matrix: Water

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

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*70 - 130*		*08/17/11 17:46*	*1*
Dibromofluoromethane	*101*		*70 - 130*		*08/17/11 17:46*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			08/18/11 19:33	1

Surrogate Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-42939-1

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		TOL	BFB	DBFM
Lab Sample ID	**Client Sample ID**	**(70-130)**	**(70-130)**	**(70-130)**
660-42939-1	Primary GAC Effluent	100	99	100
660-42939-2	Mid Process	100	100	101
660-42942-C-4 DU	Duplicate	100	101	107
660-42942-C-4 MS	Matrix Spike	103	96	100
LCS 660-113886/4	Lab Control Sample	101	98	106
MB 660-113886/6	Method Blank	99	99	104

Surrogate Legend

TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane

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

Lab Sample ID: MB 660-113886/6
Matrix: Water
Analysis Batch: 113886

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			08/17/11 15:33	1
Benzene	0.50	U	1.0	0.50	ug/L			08/17/11 15:33	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			08/17/11 15:33	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			08/17/11 15:33	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			08/17/11 15:33	1
Bromoform	0.58	U	1.0	0.58	ug/L			08/17/11 15:33	1
Bromomethane	2.5	U	5.0	2.5	ug/L			08/17/11 15:33	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			08/17/11 15:33	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			08/17/11 15:33	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			08/17/11 15:33	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			08/17/11 15:33	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			08/17/11 15:33	1
Chloroethane	2.5	U	5.0	2.5	ug/L			08/17/11 15:33	1
Chloroform	0.90	U	1.0	0.90	ug/L			08/17/11 15:33	1
Chloromethane	1.0	U	4.0	1.0	ug/L			08/17/11 15:33	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			08/17/11 15:33	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			08/17/11 15:33	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			08/17/11 15:33	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			08/17/11 15:33	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			08/17/11 15:33	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			08/17/11 15:33	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			08/17/11 15:33	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			08/17/11 15:33	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			08/17/11 15:33	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			08/17/11 15:33	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			08/17/11 15:33	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			08/17/11 15:33	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			08/17/11 15:33	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			08/17/11 15:33	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			08/17/11 15:33	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			08/17/11 15:33	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			08/17/11 15:33	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			08/17/11 15:33	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			08/17/11 15:33	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			08/17/11 15:33	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			08/17/11 15:33	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			08/17/11 15:33	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			08/17/11 15:33	1
Hexachlorobutadiene	0.404	I	1.0	0.40	ug/L			08/17/11 15:33	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			08/17/11 15:33	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			08/17/11 15:33	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			08/17/11 15:33	1
Naphthalene	2.5	U	5.0	2.5	ug/L			08/17/11 15:33	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			08/17/11 15:33	1
Styrene	0.98	U	2.0	0.98	ug/L			08/17/11 15:33	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			08/17/11 15:33	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			08/17/11 15:33	1
Toluene	1.0	U	1.0	1.0	ug/L			08/17/11 15:33	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			08/17/11 15:33	1

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

Lab Sample ID: MB 660-113886/6
Matrix: Water
Analysis Batch: 113886

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			08/17/11 15:33	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			08/17/11 15:33	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			08/17/11 15:33	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			08/17/11 15:33	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			08/17/11 15:33	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			08/17/11 15:33	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			08/17/11 15:33	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			08/17/11 15:33	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			08/17/11 15:33	1
o-Xylene	0.50	U	1.0	0.50	ug/L			08/17/11 15:33	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			08/17/11 15:33	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			08/17/11 15:33	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			08/17/11 15:33	1
2-Hexanone	4.4	U	10	4.4	ug/L			08/17/11 15:33	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			08/17/11 15:33	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			08/17/11 15:33	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*70 - 130*		*08/17/11 15:33*	*1*
4-Bromofluorobenzene	*99*		*70 - 130*		*08/17/11 15:33*	*1*
Dibromofluoromethane	*104*		*70 - 130*		*08/17/11 15:33*	*1*

Lab Sample ID: LCS 660-113886/4
Matrix: Water
Analysis Batch: 113886

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	40.0	30.9		ug/L		77	62 - 142
Benzene	20.0	21.2		ug/L		106	68 - 134
Bromobenzene	20.0	19.1		ug/L		95	70 - 130
Chlorobromomethane	20.0	20.1		ug/L		100	70 - 130
Dichlorobromomethane	20.0	19.7		ug/L		99	70 - 130
Bromoform	20.0	15.8		ug/L		79	65 - 130
Bromomethane	20.0	14.6		ug/L		73	22 - 150
n-Butylbenzene	20.0	22.9		ug/L		115	61 - 131
sec-Butylbenzene	20.0	21.7		ug/L		109	68 - 133
tert-Butylbenzene	20.0	24.5		ug/L		123	64 - 130
Carbon tetrachloride	20.0	21.0		ug/L		105	61 - 134
Chlorobenzene	20.0	20.0		ug/L		100	70 - 130
Chloroethane	20.0	26.1		ug/L		131	39 - 150
Chloroform	20.0	21.5		ug/L		107	68 - 130
Chloromethane	20.0	21.2		ug/L		106	35 - 150
2-Chlorotoluene	20.0	20.4		ug/L		102	70 - 130
4-Chlorotoluene	20.0	20.8		ug/L		104	70 - 130
Chlorodibromomethane	20.0	19.1		ug/L		95	70 - 130
1,2-Dibromo-3-Chloropropane	20.0	16.7		ug/L		84	63 - 130
Ethylene Dibromide	20.0	19.2		ug/L		96	66 - 130
Dibromomethane	20.0	19.1		ug/L		95	70 - 130
1,2-Dichlorobenzene	20.0	19.9		ug/L		99	70 - 130

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

Lab Sample ID: LCS 660-113886/4
Matrix: Water
Analysis Batch: 113886

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
1,3-Dichlorobenzene	20.0	20.5		ug/L		103	70 - 130
1,4-Dichlorobenzene	20.0	19.6		ug/L		98	70 - 130
Dichlorodifluoromethane	20.0	17.7		ug/L		89	16 - 149
1,1-Dichloroethane	20.0	21.0		ug/L		105	66 - 130
1,2-Dichloroethane	20.0	20.0		ug/L		100	70 - 130
1,1,1,2-Tetrachloroethane	20.0	19.3		ug/L		96	70 - 130
1,1-Dichloroethene	20.0	21.8		ug/L		109	51 - 150
cis-1,2-Dichloroethene	20.0	23.0		ug/L		115	66 - 130
trans-1,2-Dichloroethene	20.0	24.7		ug/L		124	62 - 139
1,2-Dichloropropane	20.0	20.0		ug/L		100	70 - 130
1,3-Dichloropropane	20.0	19.2		ug/L		96	70 - 130
2,2-Dichloropropane	20.0	20.7		ug/L		104	66 - 134
1,1-Dichloropropene	20.0	22.1		ug/L		110	65 - 136
cis-1,3-Dichloropropene	20.0	19.6		ug/L		98	70 - 130
trans-1,3-Dichloropropene	20.0	17.0		ug/L		85	67 - 130
Ethylbenzene	20.0	20.8		ug/L		104	70 - 130
Hexachlorobutadiene	20.0	19.5		ug/L		98	62 - 143
Isopropylbenzene	20.0	21.5		ug/L		108	62 - 130
4-Isopropyltoluene	20.0	22.7		ug/L		113	65 - 134
Methylene Chloride	20.0	23.8		ug/L		119	57 - 130
Naphthalene	20.0	16.5		ug/L		82	50 - 136
N-Propylbenzene	20.0	21.6		ug/L		108	67 - 130
Styrene	20.0	21.8		ug/L		109	68 - 131
1,1,2,2-Tetrachloroethane	20.0	18.2		ug/L		91	70 - 130
Tetrachloroethene	20.0	25.0		ug/L		125	50 - 143
Toluene	20.0	20.6		ug/L		103	70 - 131
1,2,3-Trichlorobenzene	20.0	19.9		ug/L		99	58 - 132
1,2,4-Trichlorobenzene	20.0	20.5		ug/L		102	66 - 130
1,1,1-Trichloroethane	20.0	21.3		ug/L		106	63 - 132
1,1,2-Trichloroethane	20.0	17.7		ug/L		89	70 - 130
Trichloroethene	20.0	21.6		ug/L		108	63 - 139
Trichlorofluoromethane	20.0	26.5		ug/L		132	62 - 146
1,2,3-Trichloropropane	20.0	18.3		ug/L		92	66 - 130
1,2,4-Trimethylbenzene	20.0	22.1		ug/L		111	70 - 132
1,3,5-Trimethylbenzene	20.0	22.1		ug/L		111	65 - 134
Vinyl chloride	20.0	24.1		ug/L		121	48 - 147
o-Xylene	20.0	22.4		ug/L		112	69 - 130
2-Butanone (MEK)	40.0	28.8		ug/L		72	63 - 140
4-Methyl-2-pentanone (MIBK)	40.0	39.8		ug/L		99	64 - 137
Carbon disulfide	40.0	53.1		ug/L		133	30 - 150
2-Hexanone	40.0	30.4		ug/L		76	60 - 148
Methyl tert-butyl ether	40.0	49.1		ug/L		123	67 - 130

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*101*		*70 - 130*
4-Bromofluorobenzene	*98*		*70 - 130*
Dibromofluoromethane	*106*		*70 - 130*

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

Lab Sample ID: 660-42942-C-4 MS
Matrix: Water
Analysis Batch: 113886

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	9.9	U	40.0	24.6		ug/L		62	62 - 142
Benzene	0.50	U	20.0	20.6		ug/L		103	68 - 134
Bromobenzene	0.58	U	20.0	20.5		ug/L		103	70 - 130
Chlorobromomethane	0.58	U	20.0	20.1		ug/L		101	70 - 130
Dichlorobromomethane	0.35	U	20.0	20.4		ug/L		102	70 - 130
Bromoform	0.58	U	20.0	16.9		ug/L		85	65 - 130
Bromomethane	2.5	U	20.0	11.4		ug/L		57	22 - 150
n-Butylbenzene	0.67	U	20.0	22.2		ug/L		111	61 - 131
sec-Butylbenzene	0.63	U	20.0	21.5		ug/L		107	68 - 133
tert-Butylbenzene	0.84	U	20.0	24.5		ug/L		122	64 - 130
Carbon tetrachloride	0.42	U	20.0	19.9		ug/L		100	61 - 134
Chlorobenzene	0.63	U	20.0	21.1		ug/L		105	70 - 130
Chloroethane	2.5	U	20.0	22.5		ug/L		113	39 - 150
Chloroform	0.90	U	20.0	20.4		ug/L		102	68 - 130
Chloromethane	1.0	U	20.0	18.6		ug/L		93	35 - 150
2-Chlorotoluene	0.65	U	20.0	20.7		ug/L		104	70 - 130
4-Chlorotoluene	0.52	U	20.0	21.1		ug/L		106	70 - 130
Chlorodibromomethane	0.34	U	20.0	21.5		ug/L		108	70 - 130
1,2-Dibromo-3-Chloropropane	2.5	U	20.0	17.9		ug/L		89	63 - 130
Ethylene Dibromide	0.50	U	20.0	20.8		ug/L		104	66 - 130
Dibromomethane	0.41	U	20.0	21.1		ug/L		105	70 - 130
1,2-Dichlorobenzene	0.44	U	20.0	20.7		ug/L		104	70 - 130
1,3-Dichlorobenzene	0.64	U	20.0	20.5		ug/L		102	70 - 130
1,4-Dichlorobenzene	0.52	U	20.0	20.0		ug/L		100	70 - 130
Dichlorodifluoromethane	2.5	U	20.0	15.1		ug/L		75	16 - 149
1,1-Dichloroethane	0.52	U	20.0	20.5		ug/L		103	66 - 130
1,2-Dichloroethane	0.57	U	20.0	21.4		ug/L		107	70 - 130
1,1,1,2-Tetrachloroethane	0.63	U	20.0	20.7		ug/L		104	70 - 130
1,1-Dichloroethene	0.45	U	20.0	20.1		ug/L		101	51 - 150
cis-1,2-Dichloroethene	0.65	U	20.0	21.9		ug/L		110	66 - 130
trans-1,2-Dichloroethene	0.44	U	20.0	22.7		ug/L		114	62 - 139
1,2-Dichloropropane	0.52	U	20.0	21.2		ug/L		106	70 - 130
1,3-Dichloropropane	0.39	U	20.0	21.9		ug/L		109	70 - 130
2,2-Dichloropropane	0.36	U	20.0	20.0		ug/L		100	66 - 134
1,1-Dichloropropene	0.31	U	20.0	21.1		ug/L		105	65 - 136
cis-1,3-Dichloropropene	0.14	U	20.0	20.0		ug/L		100	70 - 130
trans-1,3-Dichloropropene	0.14	U	20.0	18.0		ug/L		90	67 - 130
Ethylbenzene	0.44	U	20.0	21.5		ug/L		107	70 - 130
Hexachlorobutadiene	0.40	U	20.0	18.1		ug/L		90	62 - 143
Isopropylbenzene	0.19	U	20.0	21.5		ug/L		108	62 - 130
4-Isopropyltoluene	0.69	U	20.0	22.5		ug/L		113	65 - 134
Methylene Chloride	4.0	U	20.0	22.4		ug/L		112	57 - 130
Naphthalene	2.5	U	20.0	16.1		ug/L		81	50 - 136
N-Propylbenzene	0.59	U	20.0	21.4		ug/L		107	67 - 130
Styrene	0.98	U	20.0	23.0		ug/L		115	68 - 131
1,1,2,2-Tetrachloroethane	0.15	U	20.0	20.4		ug/L		102	70 - 130
Tetrachloroethene	0.50	U	20.0	18.6		ug/L		93	50 - 143
Toluene	1.0	U	20.0	21.1		ug/L		106	70 - 131
1,2,3-Trichlorobenzene	0.77	U	20.0	20.2		ug/L		101	58 - 132

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

Lab Sample ID: 660-42942-C-4 MS
Matrix: Water
Analysis Batch: 113886

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
1,2,4-Trichlorobenzene	0.58	U	20.0	20.5		ug/L		102	66 - 130
1,1,1-Trichloroethane	0.46	U	20.0	19.8		ug/L		99	63 - 132
1,1,2-Trichloroethane	0.47	U	20.0	19.8		ug/L		99	70 - 130
Trichloroethene	0.50	U	20.0	22.4		ug/L		112	63 - 139
Trichlorofluoromethane	2.5	U	20.0	24.2		ug/L		121	62 - 146
1,2,3-Trichloropropane	0.18	U	20.0	19.6		ug/L		98	66 - 130
1,2,4-Trimethylbenzene	0.86	U	20.0	22.4		ug/L		112	70 - 132
1,3,5-Trimethylbenzene	0.54	U	20.0	22.2		ug/L		111	65 - 134
Vinyl chloride	0.50	U	20.0	21.4		ug/L		107	48 - 147
o-Xylene	0.50	U	20.0	23.3		ug/L		116	69 - 130
2-Butanone (MEK)	8.4	U	40.0	28.6		ug/L		71	63 - 140
4-Methyl-2-pentanone (MIBK)	3.8	U	40.0	45.0		ug/L		113	64 - 137
Carbon disulfide	1.0	U	40.0	46.1		ug/L		115	30 - 150
2-Hexanone	4.4	U	40.0	32.6		ug/L		82	60 - 148
Methyl tert-butyl ether	0.44	U	40.0	48.7		ug/L		122	67 - 130

Surrogate	*MS % Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*103*		*70 - 130*
4-Bromofluorobenzene	*96*		*70 - 130*
Dibromofluoromethane	*100*		*70 - 130*

Lab Sample ID: 660-42942-C-4 DU
Matrix: Water
Analysis Batch: 113886

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Acetone	9.9	U	9.9	U	ug/L		NC	30
Benzene	0.50	U	0.50	U	ug/L		NC	30
Bromobenzene	0.58	U	0.58	U	ug/L		NC	30
Chlorobromomethane	0.58	U	0.58	U	ug/L		NC	30
Dichlorobromomethane	0.35	U	0.35	U	ug/L		NC	30
Bromoform	0.58	U	0.58	U	ug/L		NC	30
Bromomethane	2.5	U	2.5	U	ug/L		NC	30
n-Butylbenzene	0.67	U	0.67	U	ug/L		NC	30
sec-Butylbenzene	0.63	U	0.63	U	ug/L		NC	30
tert-Butylbenzene	0.84	U	0.84	U	ug/L		NC	30
Carbon tetrachloride	0.42	U	0.42	U	ug/L		NC	30
Chlorobenzene	0.63	U	0.63	U	ug/L		NC	30
Chloroethane	2.5	U	2.5	U	ug/L		NC	30
Chloroform	0.90	U	0.90	U	ug/L		NC	30
Chloromethane	1.0	U	1.0	U	ug/L		NC	30
2-Chlorotoluene	0.65	U	0.65	U	ug/L		NC	30
4-Chlorotoluene	0.52	U	0.52	U	ug/L		NC	30
Chlorodibromomethane	0.34	U	0.34	U	ug/L		NC	30
1,2-Dibromo-3-Chloropropane	2.5	U	2.5	U	ug/L		NC	30
Ethylene Dibromide	0.50	U	0.50	U	ug/L		NC	30
Dibromomethane	0.41	U	0.41	U	ug/L		NC	30
1,2-Dichlorobenzene	0.44	U	0.44	U	ug/L		NC	30
1,3-Dichlorobenzene	0.64	U	0.64	U	ug/L		NC	30

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

Lab Sample ID: 660-42942-C-4 DU
Matrix: Water
Analysis Batch: 113886

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
1,4-Dichlorobenzene	0.52	U		0.52	U	ug/L				NC	30
Dichlorodifluoromethane	2.5	U		2.5	U	ug/L				NC	30
1,1-Dichloroethane	0.52	U		0.52	U	ug/L				NC	30
1,2-Dichloroethane	0.57	U		0.57	U	ug/L				NC	30
1,1,1,2-Tetrachloroethane	0.63	U		0.63	U	ug/L				NC	30
1,1-Dichloroethene	0.45	U		0.45	U	ug/L				NC	30
cis-1,2-Dichloroethene	0.65	U		0.65	U	ug/L				NC	30
trans-1,2-Dichloroethene	0.44	U		0.44	U	ug/L				NC	30
1,2-Dichloropropane	0.52	U		0.52	U	ug/L				NC	30
1,3-Dichloropropane	0.39	U		0.39	U	ug/L				NC	30
2,2-Dichloropropane	0.36	U		0.36	U	ug/L				NC	30
1,1-Dichloropropene	0.31	U		0.31	U	ug/L				NC	30
cis-1,3-Dichloropropene	0.14	U		0.14	U	ug/L				NC	30
trans-1,3-Dichloropropene	0.14	U		0.14	U	ug/L				NC	30
Ethylbenzene	0.44	U		0.44	U	ug/L				NC	30
Hexachlorobutadiene	0.40	U		0.40	U	ug/L				NC	30
Isopropylbenzene	0.19	U		0.19	U	ug/L				NC	30
4-Isopropyltoluene	0.69	U		0.69	U	ug/L				NC	30
Methylene Chloride	4.0	U		4.0	U	ug/L				NC	30
Naphthalene	2.5	U		2.5	U	ug/L				NC	30
N-Propylbenzene	0.59	U		0.59	U	ug/L				NC	30
Styrene	0.98	U		0.98	U	ug/L				NC	30
1,1,2,2-Tetrachloroethane	0.15	U		0.15	U	ug/L				NC	30
Tetrachloroethene	0.50	U		0.50	U	ug/L				NC	30
Toluene	1.0	U		1.0	U	ug/L				NC	30
1,2,3-Trichlorobenzene	0.77	U		0.77	U	ug/L				NC	30
1,2,4-Trichlorobenzene	0.58	U		0.58	U	ug/L				NC	30
1,1,1-Trichloroethane	0.46	U		0.46	U	ug/L				NC	30
1,1,2-Trichloroethane	0.47	U		0.47	U	ug/L				NC	30
Trichloroethene	0.50	U		0.50	U	ug/L				NC	30
Trichlorofluoromethane	2.5	U		2.5	U	ug/L				NC	30
1,2,3-Trichloropropane	0.18	U		0.18	U	ug/L				NC	30
1,2,4-Trimethylbenzene	0.86	U		0.86	U	ug/L				NC	30
1,3,5-Trimethylbenzene	0.54	U		0.54	U	ug/L				NC	30
Vinyl chloride	0.50	U		0.50	U	ug/L				NC	30
o-Xylene	0.50	U		0.50	U	ug/L				NC	30
2-Butanone (MEK)	8.4	U		8.4	U	ug/L				NC	30
4-Methyl-2-pentanone (MIBK)	3.8	U		3.8	U	ug/L				NC	30
Carbon disulfide	1.0	U		1.0	U	ug/L				NC	30
2-Hexanone	4.4	U		4.4	U	ug/L				NC	30
Methyl tert-butyl ether	0.44	U		0.44	U	ug/L				NC	30
m-Xylene & p-Xylene	0.60	U		0.60	U	ug/L				NC	30

Surrogate	*DU % Recovery*	*DU Qualifier*	*Limits*
Toluene-d8 (Surr)	*100*		*70 - 130*
4-Bromofluorobenzene	*101*		*70 - 130*
Dibromofluoromethane	*107*		*70 - 130*

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-42939-1

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Lab Sample ID: MB 660-113927/5 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 113927

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			08/18/11 18:27	1

Lab Sample ID: LCS 660-113927/3 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 113927

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits		
1,4-Dioxane			25.0	22.7		ug/L		91	50 - 150		

Lab Sample ID: 660-42939-1 MS — **Client Sample ID: Primary GAC Effluent**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 113927

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits		
1,4-Dioxane	1.0	U	25.0	22.3		ug/L		89	50 - 150		

Lab Sample ID: 660-42939-1 DU — **Client Sample ID: Primary GAC Effluent**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 113927

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
1,4-Dioxane	1.0	U		1.0	U	ug/L				NC	50

QC Association Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-42939-1

GC/MS VOA

Analysis Batch: 113886

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 660-113886/4	Lab Control Sample	Total/NA	Water	8260B	
MB 660-113886/6	Method Blank	Total/NA	Water	8260B	
660-42942-C-4 DU	Duplicate	Total/NA	Water	8260B	
660-42942-C-4 MS	Matrix Spike	Total/NA	Water	8260B	
660-42939-1	Primary GAC Effluent	Total/NA	Water	8260B	
660-42939-2	Mid Process	Total/NA	Water	8260B	

Analysis Batch: 113927

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 660-113927/3	Lab Control Sample	Total/NA	Water	8260C _SIM/ID	
MB 660-113927/5	Method Blank	Total/NA	Water	8260C _SIM/ID	
660-42939-1	Primary GAC Effluent	Total/NA	Water	8260C _SIM/ID	
660-42939-1 DU	Primary GAC Effluent	Total/NA	Water	8260C _SIM/ID	
660-42939-2	Mid Process	Total/NA	Water	8260C _SIM/ID	
660-42939-1 MS	Primary GAC Effluent	Total/NA	Water	8260C _SIM/ID	

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-42939-1

Client Sample ID: Primary GAC Effluent

Lab Sample ID: 660-42939-1

Date Collected: 08/16/11 08:15
Matrix: Water
Date Received: 08/16/11 10:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	113886	08/17/11 17:24	RM	TAL TAM
Total/NA	Analysis	8260C _SIM/ID		1	113927	08/18/11 18:48	RM	TAL TAM

Client Sample ID: Mid Process

Lab Sample ID: 660-42939-2

Date Collected: 08/16/11 08:20
Matrix: Water
Date Received: 08/16/11 10:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	113886	08/17/11 17:46	RM	TAL TAM
Total/NA	Analysis	8260C _SIM/ID		1	113927	08/18/11 19:33	RM	TAL TAM

Laboratory References:
TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Certification Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-42939-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Tampa	Alabama	State Program	4	40610
TestAmerica Tampa	Florida	NELAC	4	E84282
TestAmerica Tampa	Georgia	State Program	4	905
TestAmerica Tampa	USDA	USDA		P330-11-00177

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-42939-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL TAM
8260C _SIM/ID	1,4-Dioxane by SIM/Isotopic Dilution	SW846	TAL TAM

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-42939-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
660-42939-1	Primary GAC Effluent	Water	08/16/11 08:15	08/16/11 10:40
660-42939-2	Mid Process	Water	08/16/11 08:20	08/16/11 10:40

Serial Number 022517

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

660-42939

TestAmerica Tampa
6712 Benjamin Road, Suite 100
Tampa, FL 33634
Website: www.testamericainc.com
Phone: (813) 885-7427
Fax: (813) 885-7049

Alternate Laboratory Name/Location
Phone:
Fax:

08/19/2011

PROJECT REFERENCE: Tallevast Carbon an	PROJECT NO.	PROJECT LOCATION (STATE): FL	PAGE 1 OF 1
SAMPLER'S SIGNATURE: [signature]	P.O. NUMBER: 38055.00 08.00009	CONTRACT NO.	STANDARD REPORT DELIVERY ( )
CLIENT (SITE) PM: Don Sauda	CLIENT PHONE: 813 748 4874	CLIENT FAX	DATE DUE
CLIENT NAME: Arcadis	CLIENT E-MAIL: donald.sauda@arcadisus.com		EXPEDITED REPORT DELIVERY (SURCHARGE) ( )
CLIENT ADDRESS: 1600 Tallevast Rd Sarasota, FL 34243			DATE DUE: 48 hrs
COMPANY CONTRACTING THIS WORK (if applicable): CMC			NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

PRESERVATIVE: HCl

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT....)	8260 B/C Sim 1D	NUMBER OF CONTAINERS SUBMITTED	REMARKS
8-16-11	0815	Primary GAC effluent	G	X				4		inf flow = 21.2
8-16-11	0820	Mid Process	G	X				4		Sys flow = 22
										inf pH = 2.8
										eff pH = 5.8

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS			[signature]	8-16-11	1040			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS [signature]	8-15-11	0800	[signature]	8-16-11	1040			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT YES ( ) NO ( )	CUSTODY SEAL NO.	TAMPA LOG NO.	COOLER TEMP. UPON RECEIPT: 4.7°C Cont	LABORATORY REMARKS

TAL8240-660 (0209)

R625-EDC-002289-0

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 660-42939-1

Login Number: 42939
List Number: 1
Creator: Redding, Charles S

List Source: TestAmerica Tampa

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	4.7 degrees C CU-07
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Tampa
6712 Benjamin Road
Suite 100
Tampa, FL 33634
Tel: (813)885-7427

TestAmerica Job ID: 660-43063-1
Client Project/Site: Tallevast Carbon OM

For:
ARCADIS U.S. Inc
6723 Towpath Road
PO BOX 66
Syracuse, New York 13214

Attn: Donald Sauda

Authorized for release by:
08/25/2011 02:14:00 PM

Tina Fritz
Project Manager II
tina.fritz@testamericainc.com

LINKS

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Results relate only to the items tested and the sample(s) as received by the laboratory. The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

R625-EDC-002289-0

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Definitions/Glossary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-43063-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates that the compound was analyzed for but not detected.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J1	Estimated value; value may not be accurate. Surrogate recovery outside of criteria.
J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit (Dioxin)
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or method detection limit if shown)
PQL	Practical Quantitation Limit
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 660-43063-1

Laboratory: TestAmerica Tampa

Narrative

Job Narrative
660-43063-1

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
Method 8260B: A full list spike was utilized for this method The LCS associated with batch 114071 had 1 analyte outside control limits. The laboratory's SOP allows for 5 analytes to recover outside criteria for this method when a full list spike is utilized. These results have been reported and qualified.

Method 8260B: Surrogate recovery was outside control limits for Dibromofluoromethane in the batch duplicate sample. This sample was run in duplicate and the parent was just within acceptable limits. The duplicate sample confirms the low surrogate recovery; therefore, re-analysis was not performed.

Method 8260B: The matrix spike (MS) recoveries for batch 114071 were outside control limits.

No other analytical or quality issues were noted.

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-43063-1

Client Sample ID: Primary GAC Effluent — Lab Sample ID: 660-43063-1

No Detections

Client Sample ID: Mid Process — Lab Sample ID: 660-43063-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	14	I J3	20	9.9	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	11		1.0	0.52	ug/L	1		8260B	Total/NA

Client Sample ID: Primary GAC Effluent

Lab Sample ID: 660-43063-1

Date Collected: 08/23/11 08:00

Matrix: Water

Date Received: 08/23/11 12:48

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U J3	20	9.9	ug/L			08/23/11 15:32	1
Benzene	0.50	U	1.0	0.50	ug/L			08/23/11 15:32	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			08/23/11 15:32	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			08/23/11 15:32	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			08/23/11 15:32	1
Bromoform	0.58	U	1.0	0.58	ug/L			08/23/11 15:32	1
Bromomethane	2.5	U	5.0	2.5	ug/L			08/23/11 15:32	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			08/23/11 15:32	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			08/23/11 15:32	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			08/23/11 15:32	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			08/23/11 15:32	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			08/23/11 15:32	1
Chloroethane	2.5	U	5.0	2.5	ug/L			08/23/11 15:32	1
Chloroform	0.90	U	1.0	0.90	ug/L			08/23/11 15:32	1
Chloromethane	1.0	U	4.0	1.0	ug/L			08/23/11 15:32	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			08/23/11 15:32	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			08/23/11 15:32	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			08/23/11 15:32	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			08/23/11 15:32	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			08/23/11 15:32	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			08/23/11 15:32	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			08/23/11 15:32	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			08/23/11 15:32	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			08/23/11 15:32	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			08/23/11 15:32	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			08/23/11 15:32	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			08/23/11 15:32	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			08/23/11 15:32	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			08/23/11 15:32	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			08/23/11 15:32	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			08/23/11 15:32	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			08/23/11 15:32	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			08/23/11 15:32	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			08/23/11 15:32	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			08/23/11 15:32	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			08/23/11 15:32	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			08/23/11 15:32	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			08/23/11 15:32	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			08/23/11 15:32	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			08/23/11 15:32	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			08/23/11 15:32	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			08/23/11 15:32	1
Naphthalene	2.5	U	5.0	2.5	ug/L			08/23/11 15:32	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			08/23/11 15:32	1
Styrene	0.98	U	2.0	0.98	ug/L			08/23/11 15:32	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			08/23/11 15:32	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			08/23/11 15:32	1
Toluene	1.0	U	1.0	1.0	ug/L			08/23/11 15:32	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			08/23/11 15:32	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			08/23/11 15:32	1

Client Sample ID: Primary GAC Effluent

Lab Sample ID: 660-43063-1

Date Collected: 08/23/11 08:00
Matrix: Water
Date Received: 08/23/11 12:48

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			08/23/11 15:32	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			08/23/11 15:32	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			08/23/11 15:32	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			08/23/11 15:32	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			08/23/11 15:32	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			08/23/11 15:32	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			08/23/11 15:32	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			08/23/11 15:32	1
o-Xylene	0.50	U	1.0	0.50	ug/L			08/23/11 15:32	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			08/23/11 15:32	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			08/23/11 15:32	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			08/23/11 15:32	1
2-Hexanone	4.4	U	10	4.4	ug/L			08/23/11 15:32	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			08/23/11 15:32	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			08/23/11 15:32	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*70 - 130*		*08/23/11 15:32*	*1*
4-Bromofluorobenzene	*96*		*70 - 130*		*08/23/11 15:32*	*1*
Dibromofluoromethane	*101*		*70 - 130*		*08/23/11 15:32*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			08/24/11 16:21	1

Client Sample ID: Mid Process

Lab Sample ID: 660-43063-2

Date Collected: 08/23/11 08:10
Matrix: Water
Date Received: 08/23/11 12:48

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**14**	**I J3**	20	9.9	ug/L			08/23/11 15:50	1
Benzene	0.50	U	1.0	0.50	ug/L			08/23/11 15:50	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			08/23/11 15:50	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			08/23/11 15:50	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			08/23/11 15:50	1
Bromoform	0.58	U	1.0	0.58	ug/L			08/23/11 15:50	1
Bromomethane	2.5	U	5.0	2.5	ug/L			08/23/11 15:50	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			08/23/11 15:50	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			08/23/11 15:50	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			08/23/11 15:50	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			08/23/11 15:50	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			08/23/11 15:50	1
Chloroethane	2.5	U	5.0	2.5	ug/L			08/23/11 15:50	1
Chloroform	0.90	U	1.0	0.90	ug/L			08/23/11 15:50	1
Chloromethane	1.0	U	4.0	1.0	ug/L			08/23/11 15:50	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			08/23/11 15:50	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			08/23/11 15:50	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			08/23/11 15:50	1

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-43063-1

Client Sample ID: Mid Process

Date Collected: 08/23/11 08:10
Date Received: 08/23/11 12:48

Lab Sample ID: 660-43063-2

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			08/23/11 15:50	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			08/23/11 15:50	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			08/23/11 15:50	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			08/23/11 15:50	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			08/23/11 15:50	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			08/23/11 15:50	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			08/23/11 15:50	1
1,1-Dichloroethane	**11**		1.0	0.52	ug/L			08/23/11 15:50	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			08/23/11 15:50	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			08/23/11 15:50	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			08/23/11 15:50	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			08/23/11 15:50	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			08/23/11 15:50	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			08/23/11 15:50	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			08/23/11 15:50	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			08/23/11 15:50	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			08/23/11 15:50	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			08/23/11 15:50	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			08/23/11 15:50	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			08/23/11 15:50	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			08/23/11 15:50	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			08/23/11 15:50	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			08/23/11 15:50	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			08/23/11 15:50	1
Naphthalene	2.5	U	5.0	2.5	ug/L			08/23/11 15:50	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			08/23/11 15:50	1
Styrene	0.98	U	2.0	0.98	ug/L			08/23/11 15:50	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			08/23/11 15:50	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			08/23/11 15:50	1
Toluene	1.0	U	1.0	1.0	ug/L			08/23/11 15:50	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			08/23/11 15:50	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			08/23/11 15:50	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			08/23/11 15:50	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			08/23/11 15:50	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			08/23/11 15:50	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			08/23/11 15:50	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			08/23/11 15:50	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			08/23/11 15:50	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			08/23/11 15:50	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			08/23/11 15:50	1
o-Xylene	0.50	U	1.0	0.50	ug/L			08/23/11 15:50	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			08/23/11 15:50	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			08/23/11 15:50	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			08/23/11 15:50	1
2-Hexanone	4.4	U	10	4.4	ug/L			08/23/11 15:50	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			08/23/11 15:50	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			08/23/11 15:50	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*70 - 130*		*08/23/11 15:50*	*1*

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-43063-1

Client Sample ID: Mid Process

Date Collected: 08/23/11 08:10
Date Received: 08/23/11 12:48

Lab Sample ID: 660-43063-2

Matrix: Water

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

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*70 - 130*		*08/23/11 15:50*	*1*
Dibromofluoromethane	*100*		*70 - 130*		*08/23/11 15:50*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			08/24/11 17:30	1

Surrogate Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-43063-1

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)
660-43063-1	Primary GAC Effluent	99	96	101
660-43063-2	Mid Process	98	94	100
LCS 660-114071/3	Lab Control Sample	98	95	101
MB 660-114071/5	Method Blank	99	94	100

Surrogate Legend

TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane

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

Matrix: Water **Prep Type: SPLP**

		Percent Surrogate Recovery (Acceptance Limits)		
		TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)
640-34800-E-1 DU	Duplicate	99	92	61 J1
640-34800-E-4-A MS	Matrix Spike	99	92	102

Surrogate Legend

TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane

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

Lab Sample ID: MB 660-114071/5
Matrix: Water
Analysis Batch: 114071

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			08/23/11 11:18	1
Benzene	0.50	U	1.0	0.50	ug/L			08/23/11 11:18	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			08/23/11 11:18	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			08/23/11 11:18	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			08/23/11 11:18	1
Bromoform	0.58	U	1.0	0.58	ug/L			08/23/11 11:18	1
Bromomethane	2.5	U	5.0	2.5	ug/L			08/23/11 11:18	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			08/23/11 11:18	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			08/23/11 11:18	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			08/23/11 11:18	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			08/23/11 11:18	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			08/23/11 11:18	1
Chloroethane	2.5	U	5.0	2.5	ug/L			08/23/11 11:18	1
Chloroform	0.90	U	1.0	0.90	ug/L			08/23/11 11:18	1
Chloromethane	1.0	U	4.0	1.0	ug/L			08/23/11 11:18	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			08/23/11 11:18	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			08/23/11 11:18	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			08/23/11 11:18	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			08/23/11 11:18	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			08/23/11 11:18	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			08/23/11 11:18	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			08/23/11 11:18	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			08/23/11 11:18	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			08/23/11 11:18	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			08/23/11 11:18	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			08/23/11 11:18	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			08/23/11 11:18	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			08/23/11 11:18	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			08/23/11 11:18	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			08/23/11 11:18	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			08/23/11 11:18	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			08/23/11 11:18	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			08/23/11 11:18	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			08/23/11 11:18	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			08/23/11 11:18	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			08/23/11 11:18	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			08/23/11 11:18	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			08/23/11 11:18	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			08/23/11 11:18	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			08/23/11 11:18	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			08/23/11 11:18	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			08/23/11 11:18	1
Naphthalene	2.5	U	5.0	2.5	ug/L			08/23/11 11:18	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			08/23/11 11:18	1
Styrene	0.98	U	2.0	0.98	ug/L			08/23/11 11:18	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			08/23/11 11:18	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			08/23/11 11:18	1
Toluene	1.0	U	1.0	1.0	ug/L			08/23/11 11:18	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			08/23/11 11:18	1

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

Lab Sample ID: MB 660-114071/5
Matrix: Water
Analysis Batch: 114071

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			08/23/11 11:18	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			08/23/11 11:18	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			08/23/11 11:18	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			08/23/11 11:18	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			08/23/11 11:18	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			08/23/11 11:18	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			08/23/11 11:18	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			08/23/11 11:18	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			08/23/11 11:18	1
o-Xylene	0.50	U	1.0	0.50	ug/L			08/23/11 11:18	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			08/23/11 11:18	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			08/23/11 11:18	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			08/23/11 11:18	1
2-Hexanone	4.4	U	10	4.4	ug/L			08/23/11 11:18	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			08/23/11 11:18	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			08/23/11 11:18	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*70 - 130*		*08/23/11 11:18*	*1*
4-Bromofluorobenzene	*94*		*70 - 130*		*08/23/11 11:18*	*1*
Dibromofluoromethane	*100*		*70 - 130*		*08/23/11 11:18*	*1*

Lab Sample ID: LCS 660-114071/3
Matrix: Water
Analysis Batch: 114071

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	40.0	64.0	J3	ug/L		160	62 - 142
Benzene	20.0	20.3		ug/L		101	68 - 134
Bromobenzene	20.0	24.9		ug/L		124	70 - 130
Chlorobromomethane	20.0	22.7		ug/L		114	70 - 130
Dichlorobromomethane	20.0	23.3		ug/L		116	70 - 130
Bromoform	20.0	23.9		ug/L		120	65 - 130
Bromomethane	20.0	13.6		ug/L		68	22 - 150
n-Butylbenzene	20.0	17.9		ug/L		90	61 - 131
sec-Butylbenzene	20.0	18.3		ug/L		92	68 - 133
tert-Butylbenzene	20.0	17.9		ug/L		90	64 - 130
Carbon tetrachloride	20.0	17.7		ug/L		88	61 - 134
Chlorobenzene	20.0	23.5		ug/L		117	70 - 130
Chloroethane	20.0	25.5		ug/L		128	39 - 150
Chloroform	20.0	22.4		ug/L		112	68 - 130
Chloromethane	20.0	22.7		ug/L		114	35 - 150
2-Chlorotoluene	20.0	20.9		ug/L		104	70 - 130
4-Chlorotoluene	20.0	23.0		ug/L		115	70 - 130
Chlorodibromomethane	20.0	23.4		ug/L		117	70 - 130
1,2-Dibromo-3-Chloropropane	20.0	19.5		ug/L		98	63 - 130
Ethylene Dibromide	20.0	23.4		ug/L		117	66 - 130
Dibromomethane	20.0	23.0		ug/L		115	70 - 130
1,2-Dichlorobenzene	20.0	23.9		ug/L		120	70 - 130

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

Lab Sample ID: LCS 660-114071/3
Matrix: Water
Analysis Batch: 114071

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
1,3-Dichlorobenzene	20.0	23.8		ug/L		119	70 - 130
1,4-Dichlorobenzene	20.0	23.7		ug/L		118	70 - 130
Dichlorodifluoromethane	20.0	14.5		ug/L		73	16 - 149
1,1-Dichloroethane	20.0	20.4		ug/L		102	66 - 130
1,2-Dichloroethane	20.0	22.7		ug/L		113	70 - 130
1,1,1,2-Tetrachloroethane	20.0	22.1		ug/L		111	70 - 130
1,1-Dichloroethene	20.0	18.5		ug/L		93	51 - 150
cis-1,2-Dichloroethene	20.0	20.3		ug/L		101	66 - 130
trans-1,2-Dichloroethene	20.0	19.8		ug/L		99	62 - 139
1,2-Dichloropropane	20.0	23.0		ug/L		115	70 - 130
1,3-Dichloropropane	20.0	22.5		ug/L		112	70 - 130
2,2-Dichloropropane	20.0	17.4		ug/L		87	66 - 134
1,1-Dichloropropene	20.0	17.2		ug/L		86	65 - 136
cis-1,3-Dichloropropene	20.0	21.7		ug/L		108	70 - 130
trans-1,3-Dichloropropene	20.0	22.1		ug/L		111	67 - 130
Ethylbenzene	20.0	19.8		ug/L		99	70 - 130
Hexachlorobutadiene	20.0	23.0		ug/L		115	62 - 143
Isopropylbenzene	20.0	19.0		ug/L		95	62 - 130
4-Isopropyltoluene	20.0	18.9		ug/L		95	65 - 134
Methylene Chloride	20.0	23.3		ug/L		116	57 - 130
Naphthalene	20.0	22.0		ug/L		110	50 - 136
N-Propylbenzene	20.0	19.5		ug/L		97	67 - 130
Styrene	20.0	22.1		ug/L		110	68 - 131
1,1,2,2-Tetrachloroethane	20.0	22.6		ug/L		113	70 - 130
Tetrachloroethene	20.0	21.3		ug/L		106	50 - 143
Toluene	20.0	20.2		ug/L		101	70 - 131
1,2,3-Trichlorobenzene	20.0	23.1		ug/L		115	58 - 132
1,2,4-Trichlorobenzene	20.0	22.4		ug/L		112	66 - 130
1,1,1-Trichloroethane	20.0	18.3		ug/L		91	63 - 132
1,1,2-Trichloroethane	20.0	23.0		ug/L		115	70 - 130
Trichloroethene	20.0	20.4		ug/L		102	63 - 139
Trichlorofluoromethane	20.0	25.4		ug/L		127	62 - 146
1,2,3-Trichloropropane	20.0	23.4		ug/L		117	66 - 130
1,2,4-Trimethylbenzene	20.0	22.2		ug/L		111	70 - 132
1,3,5-Trimethylbenzene	20.0	20.0		ug/L		100	65 - 134
Vinyl chloride	20.0	19.4		ug/L		97	48 - 147
o-Xylene	20.0	21.0		ug/L		105	69 - 130
2-Butanone (MEK)	40.0	48.1		ug/L		120	63 - 140
4-Methyl-2-pentanone (MIBK)	40.0	46.3		ug/L		116	64 - 137
Carbon disulfide	40.0	34.1		ug/L		85	30 - 150
2-Hexanone	40.0	47.6		ug/L		119	60 - 148
Methyl tert-butyl ether	40.0	43.2		ug/L		108	67 - 130

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*98*		*70 - 130*
4-Bromofluorobenzene	*95*		*70 - 130*
Dibromofluoromethane	*101*		*70 - 130*

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

Lab Sample ID: 640-34800-E-4-A MS
Matrix: Water
Analysis Batch: 114071

Client Sample ID: Matrix Spike
Prep Type: SPLP

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	9.9	U J3	40.0	70.9	J3	ug/L		177	62 - 142
Benzene	0.50	U	20.0	24.5		ug/L		122	68 - 134
Bromobenzene	0.58	U J3	20.0	26.7	J3	ug/L		134	70 - 130
Chlorobromomethane	0.58	U	20.0	25.6		ug/L		128	70 - 130
Dichlorobromomethane	0.35	U J3	20.0	26.2	J3	ug/L		131	70 - 130
Bromoform	0.58	U	20.0	25.5		ug/L		127	65 - 130
Bromomethane	2.5	U	20.0	12.5		ug/L		62	22 - 150
n-Butylbenzene	0.67	U	20.0	22.3		ug/L		112	61 - 131
sec-Butylbenzene	0.63	U	20.0	22.6		ug/L		113	68 - 133
tert-Butylbenzene	0.84	U	20.0	22.1		ug/L		111	64 - 130
Carbon tetrachloride	0.42	U	20.0	20.8		ug/L		104	61 - 134
Chlorobenzene	0.63	U J3	20.0	27.9	J3	ug/L		139	70 - 130
Chloroethane	2.5	U	20.0	30.1		ug/L		150	39 - 150
Chloroform	0.90	U	20.0	26.1		ug/L		130	68 - 130
Chloromethane	1.0	U	20.0	24.4		ug/L		122	35 - 150
2-Chlorotoluene	0.65	U	20.0	23.9		ug/L		120	70 - 130
4-Chlorotoluene	0.52	U J3	20.0	27.0	J3	ug/L		135	70 - 130
Chlorodibromomethane	0.34	U	20.0	26.1		ug/L		130	70 - 130
1,2-Dibromo-3-Chloropropane	2.5	U	20.0	23.1		ug/L		115	63 - 130
Ethylene Dibromide	0.50	U	20.0	25.7		ug/L		129	66 - 130
Dibromomethane	0.41	U	20.0	25.8		ug/L		129	70 - 130
1,2-Dichlorobenzene	0.44	U J3	20.0	27.1	J3	ug/L		135	70 - 130
1,3-Dichlorobenzene	0.64	U J3	20.0	27.1	J3	ug/L		135	70 - 130
1,4-Dichlorobenzene	0.52	U J3	20.0	26.9	J3	ug/L		134	70 - 130
Dichlorodifluoromethane	2.5	U	20.0	13.5		ug/L		67	16 - 149
1,1-Dichloroethane	0.52	U	20.0	23.8		ug/L		119	66 - 130
1,2-Dichloroethane	0.57	U	20.0	24.8		ug/L		124	70 - 130
1,1,1,2-Tetrachloroethane	0.63	U	20.0	25.9		ug/L		129	70 - 130
1,1-Dichloroethene	0.45	U	20.0	22.4		ug/L		112	51 - 150
cis-1,2-Dichloroethene	0.65	U	20.0	23.9		ug/L		120	66 - 130
trans-1,2-Dichloroethene	0.44	U	20.0	24.8		ug/L		124	62 - 139
1,2-Dichloropropane	0.52	U J3	20.0	26.7	J3	ug/L		134	70 - 130
1,3-Dichloropropane	0.39	U	20.0	25.5		ug/L		127	70 - 130
2,2-Dichloropropane	0.36	U	20.0	21.0		ug/L		105	66 - 134
1,1-Dichloropropene	0.31	U	20.0	22.0		ug/L		110	65 - 136
cis-1,3-Dichloropropene	0.14	U	20.0	24.7		ug/L		123	70 - 130
trans-1,3-Dichloropropene	0.14	U	20.0	25.4		ug/L		127	67 - 130
Ethylbenzene	0.50	I	20.0	25.2		ug/L		124	70 - 130
Hexachlorobutadiene	0.40	U	20.0	27.4		ug/L		137	62 - 143
Isopropylbenzene	0.19	U	20.0	23.2		ug/L		116	62 - 130
4-Isopropyltoluene	0.69	U	20.0	23.3		ug/L		117	65 - 134
Methylene Chloride	4.0	U J3	20.0	26.7	J3	ug/L		133	57 - 130
Naphthalene	2.5	U	20.0	26.2		ug/L		131	50 - 136
N-Propylbenzene	0.59	U	20.0	23.4		ug/L		117	67 - 130
Styrene	0.98	U	20.0	26.2		ug/L		131	68 - 131
1,1,2,2-Tetrachloroethane	0.15	U	20.0	23.8		ug/L		119	70 - 130
Tetrachloroethene	0.50	U	20.0	27.2		ug/L		136	50 - 143
Toluene	6.1		20.0	29.9		ug/L		119	70 - 131
1,2,3-Trichlorobenzene	0.77	U	20.0	25.9		ug/L		129	58 - 132

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

Lab Sample ID: 640-34800-E-4-A MS
Matrix: Water
Analysis Batch: 114071

Client Sample ID: Matrix Spike
Prep Type: SPLP

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
1,2,4-Trichlorobenzene	0.58	U	20.0	26.0		ug/L		130	66 - 130
1,1,1-Trichloroethane	0.46	U	20.0	22.2		ug/L		111	63 - 132
1,1,2-Trichloroethane	0.47	U	20.0	26.1		ug/L		130	70 - 130
Trichloroethene	0.50	U	20.0	24.6		ug/L		123	63 - 139
Trichlorofluoromethane	2.5	U	20.0	26.4		ug/L		132	62 - 146
1,2,3-Trichloropropane	0.18	U	20.0	23.7		ug/L		118	66 - 130
1,2,4-Trimethylbenzene	1.7	J3	20.0	28.3	J3	ug/L		133	70 - 132
1,3,5-Trimethylbenzene	0.65	I	20.0	24.3		ug/L		118	65 - 134
Vinyl chloride	0.50	U	20.0	20.7		ug/L		103	48 - 147
o-Xylene	2.4		20.0	27.8		ug/L		127	69 - 130
2-Butanone (MEK)	8.4	U	40.0	53.3		ug/L		133	63 - 140
4-Methyl-2-pentanone (MIBK)	3.8	U	40.0	54.1		ug/L		135	64 - 137
Carbon disulfide	1.0	U	40.0	39.9		ug/L		100	30 - 150
2-Hexanone	4.4	U	40.0	54.7		ug/L		137	60 - 148
Methyl tert-butyl ether	0.44	U	40.0	48.5		ug/L		121	67 - 130

Surrogate	*MS % Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*99*		*70 - 130*
4-Bromofluorobenzene	*92*		*70 - 130*
Dibromofluoromethane	*102*		*70 - 130*

Lab Sample ID: 640-34800-E-1 DU
Matrix: Water
Analysis Batch: 114071

Client Sample ID: Duplicate
Prep Type: SPLP

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Acetone	30	J3	31.2		ug/L		3	30
Benzene	0.50	U	0.50	U	ug/L		NC	30
Bromobenzene	0.58	U	0.58	U	ug/L		NC	30
Chlorobromomethane	0.58	U	0.58	U	ug/L		NC	30
Dichlorobromomethane	0.35	U	0.35	U	ug/L		NC	30
Bromoform	0.58	U	0.58	U	ug/L		NC	30
Bromomethane	2.5	U	2.5	U	ug/L		NC	30
n-Butylbenzene	0.67	U	0.67	U	ug/L		NC	30
sec-Butylbenzene	0.63	U	0.63	U	ug/L		NC	30
tert-Butylbenzene	0.84	U	0.84	U	ug/L		NC	30
Carbon tetrachloride	0.42	U	0.42	U	ug/L		NC	30
Chlorobenzene	0.63	U	0.63	U	ug/L		NC	30
Chloroethane	2.5	U	2.5	U	ug/L		NC	30
Chloroform	0.90	U	0.90	U	ug/L		NC	30
Chloromethane	1.0	U	1.0	U	ug/L		NC	30
2-Chlorotoluene	0.65	U	0.65	U	ug/L		NC	30
4-Chlorotoluene	0.52	U	0.52	U	ug/L		NC	30
Chlorodibromomethane	0.34	U	0.34	U	ug/L		NC	30
1,2-Dibromo-3-Chloropropane	2.5	U	2.5	U	ug/L		NC	30
Ethylene Dibromide	0.50	U	0.50	U	ug/L		NC	30
Dibromomethane	0.41	U	0.41	U	ug/L		NC	30
1,2-Dichlorobenzene	0.44	U	0.44	U	ug/L		NC	30
1,3-Dichlorobenzene	0.64	U	0.64	U	ug/L		NC	30

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

Lab Sample ID: 640-34800-E-1 DU
Matrix: Water
Analysis Batch: 114071

Client Sample ID: Duplicate
Prep Type: SPLP

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
1,4-Dichlorobenzene	0.52	U		0.52	U	ug/L				NC	30
Dichlorodifluoromethane	2.5	U		2.5	U	ug/L				NC	30
1,1-Dichloroethane	0.52	U		0.52	U	ug/L				NC	30
1,2-Dichloroethane	0.57	U		0.57	U	ug/L				NC	30
1,1,1,2-Tetrachloroethane	0.63	U		0.63	U	ug/L				NC	30
1,1-Dichloroethene	0.45	U		0.45	U	ug/L				NC	30
cis-1,2-Dichloroethene	0.65	U		0.65	U	ug/L				NC	30
trans-1,2-Dichloroethene	0.44	U		0.44	U	ug/L				NC	30
1,2-Dichloropropane	0.52	U		0.52	U	ug/L				NC	30
1,3-Dichloropropane	0.39	U		0.39	U	ug/L				NC	30
2,2-Dichloropropane	0.36	U		0.36	U	ug/L				NC	30
1,1-Dichloropropene	0.31	U		0.31	U	ug/L				NC	30
cis-1,3-Dichloropropene	0.14	U		0.14	U	ug/L				NC	30
trans-1,3-Dichloropropene	0.14	U		0.14	U	ug/L				NC	30
Ethylbenzene	0.44	U		0.44	U	ug/L				NC	30
Hexachlorobutadiene	0.40	U		0.40	U	ug/L				NC	30
Isopropylbenzene	0.19	U		0.19	U	ug/L				NC	30
4-Isopropyltoluene	0.69	U		0.69	U	ug/L				NC	30
Methylene Chloride	5.3			4.77	I	ug/L				10	30
Naphthalene	2.5	U		2.5	U	ug/L				NC	30
N-Propylbenzene	0.59	U		0.59	U	ug/L				NC	30
Styrene	0.98	U		0.98	U	ug/L				NC	30
1,1,2,2-Tetrachloroethane	0.15	U		0.15	U	ug/L				NC	30
Tetrachloroethene	0.50	U		0.50	U	ug/L				NC	30
Toluene	1.0	U		1.0	U	ug/L				NC	30
1,2,3-Trichlorobenzene	0.77	U		0.77	U	ug/L				NC	30
1,2,4-Trichlorobenzene	0.58	U		0.58	U	ug/L				NC	30
1,1,1-Trichloroethane	0.46	U		0.46	U	ug/L				NC	30
1,1,2-Trichloroethane	0.47	U		0.47	U	ug/L				NC	30
Trichloroethene	0.50	U		0.50	U	ug/L				NC	30
Trichlorofluoromethane	2.5	U		2.5	U	ug/L				NC	30
1,2,3-Trichloropropane	0.18	U		0.18	U	ug/L				NC	30
1,2,4-Trimethylbenzene	1.4			1.53		ug/L				7	30
1,3,5-Trimethylbenzene	0.74	I		0.818	I	ug/L				10	30
Vinyl chloride	0.50	U		0.50	U	ug/L				NC	30
o-Xylene	0.84	I		0.834	I	ug/L				0.9	30
2-Butanone (MEK)	8.4	U		8.4	U	ug/L				NC	30
4-Methyl-2-pentanone (MIBK)	3.8	U		3.8	U	ug/L				NC	30
Carbon disulfide	1.0	U		1.0	U	ug/L				NC	30
2-Hexanone	4.4	U		4.4	U	ug/L				NC	30
Methyl tert-butyl ether	0.44	U		0.44	U	ug/L				NC	30
m-Xylene & p-Xylene	1.2	I		1.26	I	ug/L				1	30

Surrogate	*DU % Recovery*	*DU Qualifier*	*Limits*
Toluene-d8 (Surr)	*99*		*70 - 130*
4-Bromofluorobenzene	*92*		*70 - 130*
Dibromofluoromethane	*61*	*J1*	*70 - 130*

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-43063-1

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Lab Sample ID: MB 660-114147/5 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 114147

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			08/24/11 15:47	1

Lab Sample ID: LCS 660-114147/3 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 114147

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits		
1,4-Dioxane			25.0	22.9		ug/L		91	50 - 150		

Lab Sample ID: 660-43063-1 MS — **Client Sample ID: Primary GAC Effluent**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 114147

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits		
1,4-Dioxane	1.0	U	25.0	18.1		ug/L		73	50 - 150		

Lab Sample ID: 660-43063-1 MSD — **Client Sample ID: Primary GAC Effluent**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 114147

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
1,4-Dioxane	1.0	U	25.0	23.3		ug/L		93	50 - 150	25	50

QC Association Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-43063-1

GC/MS VOA

Analysis Batch: 114071

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-34800-E-1 DU	Duplicate	SPLP	Water	8260B	
640-34800-E-4-A MS	Matrix Spike	SPLP	Water	8260B	
660-43063-1	Primary GAC Effluent	Total/NA	Water	8260B	
660-43063-2	Mid Process	Total/NA	Water	8260B	
LCS 660-114071/3	Lab Control Sample	Total/NA	Water	8260B	
MB 660-114071/5	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 114147

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-43063-1	Primary GAC Effluent	Total/NA	Water	8260C _SIM/ID	
660-43063-1 MS	Primary GAC Effluent	Total/NA	Water	8260C _SIM/ID	
660-43063-1 MSD	Primary GAC Effluent	Total/NA	Water	8260C _SIM/ID	
660-43063-2	Mid Process	Total/NA	Water	8260C _SIM/ID	
LCS 660-114147/3	Lab Control Sample	Total/NA	Water	8260C _SIM/ID	
MB 660-114147/5	Method Blank	Total/NA	Water	8260C _SIM/ID	

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-43063-1

Client Sample ID: Primary GAC Effluent

Lab Sample ID: 660-43063-1

Date Collected: 08/23/11 08:00

Matrix: Water

Date Received: 08/23/11 12:48

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	114071	08/23/11 15:32	AP	TAL TAM
Total/NA	Analysis	8260C _SIM/ID		1	114147	08/24/11 16:21	RM	TAL TAM

Client Sample ID: Mid Process

Lab Sample ID: 660-43063-2

Date Collected: 08/23/11 08:10

Matrix: Water

Date Received: 08/23/11 12:48

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	114071	08/23/11 15:50	AP	TAL TAM
Total/NA	Analysis	8260C _SIM/ID		1	114147	08/24/11 17:30	RM	TAL TAM

Laboratory References:

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Certification Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-43063-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Tampa	Alabama	State Program	4	40610
TestAmerica Tampa	Florida	NELAC	4	E84282
TestAmerica Tampa	Georgia	State Program	4	905
TestAmerica Tampa	USDA	USDA		P330-11-00177

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-43063-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL TAM
8260C _SIM/ID	1,4-Dioxane by SIM/Isotopic Dilution	SW846	TAL TAM

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-43063-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
660-43063-1	Primary GAC Effluent	Water	08/23/11 08:00	08/23/11 12:48
660-43063-2	Mid Process	Water	08/23/11 08:10	08/23/11 12:48

Serial Number

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

660-43063

TestAmerica Tampa
6712 Benjamin Road, Suite 100
Tampa, FL 33634
Website: www.testamericainc.com
Phone: (813) 885-7427
Fax: (813) 885-7049

Alternate Laboratory Name/Location
Phone:
Fax:

PROJECT REFERENCE: Tallevast Carbon OM	PROJECT NO.: 38055	PROJECT LOCATION (STATE): FL	PAGE 1 OF 1
SAMPLER'S SIGNATURE: [signature]	P.O. NUMBER: 38055.0038.00009	CONTRACT NO.: —	STANDARD REPORT DELIVERY ( )
CLIENT (SITE) PM: Don Sauda	CLIENT PHONE: 813 748 4874	CLIENT FAX: —	DATE DUE:
CLIENT NAME: Arcadis	CLIENT E-MAIL: donaldi.sauda@arcadis-us.com		EXPEDITED REPORT DELIVERY (SURCHARGE) ( ) DATE DUE: 48 hrs
CLIENT ADDRESS: 1600 Tallevast Rd Sarasota, FL 34243			NUMBER OF COOLERS SUBMITTED PER SHIPMENT:
COMPANY CONTRACTING THIS WORK (if applicable)			

REQUIRED ANALYSIS: 8260 B/C SIM (12); HCL PRESERVATIVE

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT...)	NUMBER OF CONTAINERS SUBMITTED	REMARKS
8-23-11	0800	Primary GAC Effluent	G	X				4	inf flow = 21.5
8-23-11	0810	Mid Process	G	X				4	sys flow = 24
									inf pH = 2.8
									eff pH = 5.8

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS			[signature]	8-23-11	1248			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
EMPTY CONTAINERS [signature]	8-22-11	0800	[signature]	8-23-11	1248			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT YES ( ) NO ( )	CUSTODY SEAL NO.	TAMPA LOG NO.	COOLER/TEMP. UPON RECEIPT	LABORATORY REMARKS
						4.1°C Cu07	

TAL8240-660 (0209)

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 660-43063-1

Login Number: 43063
List Number: 1
Creator: Redding, Charles S

List Source: TestAmerica Tampa

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	4.1 degrees C CU-07
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Tampa
6712 Benjamin Road
Suite 100
Tampa, FL 33634
Tel: (813)885-7427

TestAmerica Job ID: 660-43211-1
Client Project/Site: Tallevast Carbon OM

For:
ARCADIS U.S. Inc
6723 Towpath Road
PO BOX 66
Syracuse, New York 13214

Attn: Donald Sauda

Authorized for release by:
09/01/2011 05:39:31 PM

Tina Fritz
Project Manager II
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LINKS

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Results relate only to the items tested and the sample(s) as received by the laboratory. The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

R625-EDC-002289-0

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates that the compound was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit (Dioxin)
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or method detection limit if shown)
PQL	Practical Quantitation Limit
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-43211-1

Client Sample ID: Primary GAC Effluent — Lab Sample ID: 660-43211-1

No Detections

Client Sample ID: Mid Process — Lab Sample ID: 660-43211-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	10		1.0	0.52	ug/L	1		8260B	Total/NA

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-43211-1

Client Sample ID: Primary GAC Effluent

Date Collected: 08/30/11 08:00
Date Received: 08/30/11 12:45

Lab Sample ID: 660-43211-1
Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			08/31/11 00:54	1
Benzene	0.50	U	1.0	0.50	ug/L			08/31/11 00:54	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			08/31/11 00:54	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			08/31/11 00:54	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			08/31/11 00:54	1
Bromoform	0.58	U	1.0	0.58	ug/L			08/31/11 00:54	1
Bromomethane	2.5	U	5.0	2.5	ug/L			08/31/11 00:54	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			08/31/11 00:54	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			08/31/11 00:54	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			08/31/11 00:54	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			08/31/11 00:54	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			08/31/11 00:54	1
Chloroethane	2.5	U	5.0	2.5	ug/L			08/31/11 00:54	1
Chloroform	0.90	U	1.0	0.90	ug/L			08/31/11 00:54	1
Chloromethane	1.0	U	4.0	1.0	ug/L			08/31/11 00:54	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			08/31/11 00:54	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			08/31/11 00:54	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			08/31/11 00:54	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			08/31/11 00:54	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			08/31/11 00:54	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			08/31/11 00:54	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			08/31/11 00:54	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			08/31/11 00:54	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			08/31/11 00:54	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			08/31/11 00:54	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			08/31/11 00:54	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			08/31/11 00:54	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			08/31/11 00:54	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			08/31/11 00:54	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			08/31/11 00:54	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			08/31/11 00:54	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			08/31/11 00:54	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			08/31/11 00:54	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			08/31/11 00:54	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			08/31/11 00:54	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			08/31/11 00:54	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			08/31/11 00:54	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			08/31/11 00:54	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			08/31/11 00:54	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			08/31/11 00:54	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			08/31/11 00:54	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			08/31/11 00:54	1
Naphthalene	2.5	U	5.0	2.5	ug/L			08/31/11 00:54	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			08/31/11 00:54	1
Styrene	0.98	U	2.0	0.98	ug/L			08/31/11 00:54	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			08/31/11 00:54	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			08/31/11 00:54	1
Toluene	1.0	U	1.0	1.0	ug/L			08/31/11 00:54	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			08/31/11 00:54	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			08/31/11 00:54	1

Client Sample ID: Primary GAC Effluent

Lab Sample ID: 660-43211-1

Date Collected: 08/30/11 08:00

Matrix: Water

Date Received: 08/30/11 12:45

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			08/31/11 00:54	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			08/31/11 00:54	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			08/31/11 00:54	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			08/31/11 00:54	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			08/31/11 00:54	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			08/31/11 00:54	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			08/31/11 00:54	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			08/31/11 00:54	1
o-Xylene	0.50	U	1.0	0.50	ug/L			08/31/11 00:54	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			08/31/11 00:54	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			08/31/11 00:54	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			08/31/11 00:54	1
2-Hexanone	4.4	U	10	4.4	ug/L			08/31/11 00:54	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			08/31/11 00:54	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			08/31/11 00:54	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*70 - 130*		*08/31/11 00:54*	*1*
4-Bromofluorobenzene	*102*		*70 - 130*		*08/31/11 00:54*	*1*
Dibromofluoromethane	*97*		*70 - 130*		*08/31/11 00:54*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			08/30/11 21:54	1

Client Sample ID: Mid Process

Lab Sample ID: 660-43211-2

Date Collected: 08/30/11 08:05

Matrix: Water

Date Received: 08/30/11 12:45

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			08/31/11 01:14	1
Benzene	0.50	U	1.0	0.50	ug/L			08/31/11 01:14	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			08/31/11 01:14	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			08/31/11 01:14	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			08/31/11 01:14	1
Bromoform	0.58	U	1.0	0.58	ug/L			08/31/11 01:14	1
Bromomethane	2.5	U	5.0	2.5	ug/L			08/31/11 01:14	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			08/31/11 01:14	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			08/31/11 01:14	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			08/31/11 01:14	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			08/31/11 01:14	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			08/31/11 01:14	1
Chloroethane	2.5	U	5.0	2.5	ug/L			08/31/11 01:14	1
Chloroform	0.90	U	1.0	0.90	ug/L			08/31/11 01:14	1
Chloromethane	1.0	U	4.0	1.0	ug/L			08/31/11 01:14	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			08/31/11 01:14	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			08/31/11 01:14	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			08/31/11 01:14	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			08/31/11 01:14	1

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-43211-1

Client Sample ID: Mid Process

Date Collected: 08/30/11 08:05
Date Received: 08/30/11 12:45

Lab Sample ID: 660-43211-2

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			08/31/11 01:14	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			08/31/11 01:14	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			08/31/11 01:14	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			08/31/11 01:14	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			08/31/11 01:14	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			08/31/11 01:14	1
1,1-Dichloroethane	**10**		1.0	0.52	ug/L			08/31/11 01:14	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			08/31/11 01:14	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			08/31/11 01:14	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			08/31/11 01:14	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			08/31/11 01:14	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			08/31/11 01:14	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			08/31/11 01:14	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			08/31/11 01:14	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			08/31/11 01:14	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			08/31/11 01:14	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			08/31/11 01:14	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			08/31/11 01:14	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			08/31/11 01:14	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			08/31/11 01:14	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			08/31/11 01:14	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			08/31/11 01:14	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			08/31/11 01:14	1
Naphthalene	2.5	U	5.0	2.5	ug/L			08/31/11 01:14	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			08/31/11 01:14	1
Styrene	0.98	U	2.0	0.98	ug/L			08/31/11 01:14	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			08/31/11 01:14	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			08/31/11 01:14	1
Toluene	1.0	U	1.0	1.0	ug/L			08/31/11 01:14	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			08/31/11 01:14	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			08/31/11 01:14	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			08/31/11 01:14	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			08/31/11 01:14	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			08/31/11 01:14	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			08/31/11 01:14	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			08/31/11 01:14	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			08/31/11 01:14	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			08/31/11 01:14	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			08/31/11 01:14	1
o-Xylene	0.50	U	1.0	0.50	ug/L			08/31/11 01:14	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			08/31/11 01:14	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			08/31/11 01:14	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			08/31/11 01:14	1
2-Hexanone	4.4	U	10	4.4	ug/L			08/31/11 01:14	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			08/31/11 01:14	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			08/31/11 01:14	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*70 - 130*		*08/31/11 01:14*	*1*
4-Bromofluorobenzene	*101*		*70 - 130*		*08/31/11 01:14*	*1*

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-43211-1

Client Sample ID: Mid Process

Date Collected: 08/30/11 08:05
Date Received: 08/30/11 12:45

Lab Sample ID: 660-43211-2

Matrix: Water

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

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*95*		*70 - 130*		*08/31/11 01:14*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			08/30/11 22:11	1

Surrogate Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-43211-1

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)
660-43068-C-9 MS	Matrix Spike	101	98	103
660-43068-D-5 DU	Duplicate	103	100	94
660-43211-1	Primary GAC Effluent	101	102	97
660-43211-2	Mid Process	101	101	95
LCS 660-114447/3	Lab Control Sample	103	102	94
MB 660-114447/5	Method Blank	102	102	94

Surrogate Legend

TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane

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

Lab Sample ID: MB 660-114447/5
Matrix: Water
Analysis Batch: 114447

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			08/30/11 20:44	1
Benzene	0.50	U	1.0	0.50	ug/L			08/30/11 20:44	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			08/30/11 20:44	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			08/30/11 20:44	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			08/30/11 20:44	1
Bromoform	0.58	U	1.0	0.58	ug/L			08/30/11 20:44	1
Bromomethane	2.5	U	5.0	2.5	ug/L			08/30/11 20:44	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			08/30/11 20:44	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			08/30/11 20:44	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			08/30/11 20:44	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			08/30/11 20:44	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			08/30/11 20:44	1
Chloroethane	2.5	U	5.0	2.5	ug/L			08/30/11 20:44	1
Chloroform	0.90	U	1.0	0.90	ug/L			08/30/11 20:44	1
Chloromethane	1.0	U	4.0	1.0	ug/L			08/30/11 20:44	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			08/30/11 20:44	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			08/30/11 20:44	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			08/30/11 20:44	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			08/30/11 20:44	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			08/30/11 20:44	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			08/30/11 20:44	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			08/30/11 20:44	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			08/30/11 20:44	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			08/30/11 20:44	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			08/30/11 20:44	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			08/30/11 20:44	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			08/30/11 20:44	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			08/30/11 20:44	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			08/30/11 20:44	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			08/30/11 20:44	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			08/30/11 20:44	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			08/30/11 20:44	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			08/30/11 20:44	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			08/30/11 20:44	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			08/30/11 20:44	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			08/30/11 20:44	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			08/30/11 20:44	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			08/30/11 20:44	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			08/30/11 20:44	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			08/30/11 20:44	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			08/30/11 20:44	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			08/30/11 20:44	1
Naphthalene	2.5	U	5.0	2.5	ug/L			08/30/11 20:44	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			08/30/11 20:44	1
Styrene	0.98	U	2.0	0.98	ug/L			08/30/11 20:44	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			08/30/11 20:44	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			08/30/11 20:44	1
Toluene	1.0	U	1.0	1.0	ug/L			08/30/11 20:44	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			08/30/11 20:44	1

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

Lab Sample ID: MB 660-114447/5
Matrix: Water
Analysis Batch: 114447

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			08/30/11 20:44	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			08/30/11 20:44	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			08/30/11 20:44	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			08/30/11 20:44	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			08/30/11 20:44	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			08/30/11 20:44	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			08/30/11 20:44	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			08/30/11 20:44	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			08/30/11 20:44	1
o-Xylene	0.50	U	1.0	0.50	ug/L			08/30/11 20:44	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			08/30/11 20:44	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			08/30/11 20:44	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			08/30/11 20:44	1
2-Hexanone	4.4	U	10	4.4	ug/L			08/30/11 20:44	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			08/30/11 20:44	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			08/30/11 20:44	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*70 - 130*		*08/30/11 20:44*	*1*
4-Bromofluorobenzene	*102*		*70 - 130*		*08/30/11 20:44*	*1*
Dibromofluoromethane	*94*		*70 - 130*		*08/30/11 20:44*	*1*

Lab Sample ID: LCS 660-114447/3
Matrix: Water
Analysis Batch: 114447

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	40.0	46.9		ug/L		117	62 - 142
Benzene	20.0	19.9		ug/L		99	68 - 134
Bromobenzene	20.0	19.8		ug/L		99	70 - 130
Chlorobromomethane	20.0	19.2		ug/L		96	70 - 130
Dichlorobromomethane	20.0	20.3		ug/L		101	70 - 130
Bromoform	20.0	20.5		ug/L		102	65 - 130
Bromomethane	20.0	23.2		ug/L		116	22 - 150
n-Butylbenzene	20.0	20.6		ug/L		103	61 - 131
sec-Butylbenzene	20.0	20.0		ug/L		100	68 - 133
tert-Butylbenzene	20.0	19.9		ug/L		99	64 - 130
Carbon tetrachloride	20.0	18.9		ug/L		94	61 - 134
Chlorobenzene	20.0	20.6		ug/L		103	70 - 130
Chloroethane	20.0	25.4		ug/L		127	39 - 150
Chloroform	20.0	18.9		ug/L		95	68 - 130
Chloromethane	20.0	19.3		ug/L		96	35 - 150
2-Chlorotoluene	20.0	20.9		ug/L		104	70 - 130
4-Chlorotoluene	20.0	20.3		ug/L		101	70 - 130
Chlorodibromomethane	20.0	20.4		ug/L		102	70 - 130
1,2-Dibromo-3-Chloropropane	20.0	18.1		ug/L		90	63 - 130
Ethylene Dibromide	20.0	20.1		ug/L		100	66 - 130
Dibromomethane	20.0	19.9		ug/L		99	70 - 130
1,2-Dichlorobenzene	20.0	19.7		ug/L		98	70 - 130

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

Lab Sample ID: LCS 660-114447/3
Matrix: Water
Analysis Batch: 114447

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
1,3-Dichlorobenzene	20.0	20.1		ug/L		100	70 - 130
1,4-Dichlorobenzene	20.0	19.8		ug/L		99	70 - 130
Dichlorodifluoromethane	20.0	17.4		ug/L		87	16 - 149
1,1-Dichloroethane	20.0	19.2		ug/L		96	66 - 130
1,2-Dichloroethane	20.0	19.0		ug/L		95	70 - 130
1,1,1,2-Tetrachloroethane	20.0	20.3		ug/L		102	70 - 130
1,1-Dichloroethene	20.0	20.5		ug/L		103	51 - 150
cis-1,2-Dichloroethene	20.0	19.8		ug/L		99	66 - 130
trans-1,2-Dichloroethene	20.0	20.7		ug/L		103	62 - 139
1,2-Dichloropropane	20.0	20.5		ug/L		103	70 - 130
1,3-Dichloropropane	20.0	20.5		ug/L		103	70 - 130
2,2-Dichloropropane	20.0	18.8		ug/L		94	66 - 134
1,1-Dichloropropene	20.0	19.8		ug/L		99	65 - 136
cis-1,3-Dichloropropene	20.0	22.8		ug/L		114	70 - 130
trans-1,3-Dichloropropene	20.0	22.3		ug/L		111	67 - 130
Ethylbenzene	20.0	20.4		ug/L		102	70 - 130
Hexachlorobutadiene	20.0	21.8		ug/L		109	62 - 143
Isopropylbenzene	20.0	20.8		ug/L		104	62 - 130
4-Isopropyltoluene	20.0	19.3		ug/L		97	65 - 134
Methylene Chloride	20.0	21.0		ug/L		105	57 - 130
Naphthalene	20.0	16.4		ug/L		82	50 - 136
N-Propylbenzene	20.0	20.7		ug/L		103	67 - 130
Styrene	20.0	22.2		ug/L		111	68 - 131
1,1,2,2-Tetrachloroethane	20.0	19.3		ug/L		96	70 - 130
Tetrachloroethene	20.0	20.0		ug/L		100	50 - 143
Toluene	20.0	20.8		ug/L		104	70 - 131
1,2,3-Trichlorobenzene	20.0	21.1		ug/L		106	58 - 132
1,2,4-Trichlorobenzene	20.0	20.2		ug/L		101	66 - 130
1,1,1-Trichloroethane	20.0	18.6		ug/L		93	63 - 132
1,1,2-Trichloroethane	20.0	20.9		ug/L		104	70 - 130
Trichloroethene	20.0	19.9		ug/L		99	63 - 139
Trichlorofluoromethane	20.0	23.0		ug/L		115	62 - 146
1,2,3-Trichloropropane	20.0	19.2		ug/L		96	66 - 130
1,2,4-Trimethylbenzene	20.0	20.8		ug/L		104	70 - 132
1,3,5-Trimethylbenzene	20.0	20.0		ug/L		100	65 - 134
Vinyl chloride	20.0	19.7		ug/L		99	48 - 147
o-Xylene	20.0	21.3		ug/L		107	69 - 130
2-Butanone (MEK)	40.0	41.5		ug/L		104	63 - 140
4-Methyl-2-pentanone (MIBK)	40.0	40.9		ug/L		102	64 - 137
Carbon disulfide	40.0	40.5		ug/L		101	30 - 150
2-Hexanone	40.0	39.6		ug/L		99	60 - 148
Methyl tert-butyl ether	40.0	38.4		ug/L		96	67 - 130

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*103*		*70 - 130*
4-Bromofluorobenzene	*102*		*70 - 130*
Dibromofluoromethane	*94*		*70 - 130*

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

Lab Sample ID: 660-43068-C-9 MS
Matrix: Water
Analysis Batch: 114447

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	9.9	U	40.0	45.3		ug/L		113	62 - 142
Benzene	0.50	U	20.0	22.4		ug/L		112	68 - 134
Bromobenzene	0.58	U	20.0	20.7		ug/L		104	70 - 130
Chlorobromomethane	0.58	U	20.0	22.5		ug/L		112	70 - 130
Dichlorobromomethane	0.35	U	20.0	22.7		ug/L		113	70 - 130
Bromoform	0.58	U	20.0	22.3		ug/L		112	65 - 130
Bromomethane	2.5	U	20.0	21.5		ug/L		108	22 - 150
n-Butylbenzene	0.67	U	20.0	20.6		ug/L		103	61 - 131
sec-Butylbenzene	0.63	U	20.0	20.0		ug/L		100	68 - 133
tert-Butylbenzene	0.84	U	20.0	21.1		ug/L		105	64 - 130
Carbon tetrachloride	0.42	U	20.0	20.6		ug/L		103	61 - 134
Chlorobenzene	0.63	U	20.0	21.5		ug/L		107	70 - 130
Chloroethane	2.5	U	20.0	23.4		ug/L		117	39 - 150
Chloroform	0.90	U	20.0	21.4		ug/L		107	68 - 130
Chloromethane	1.0	U	20.0	21.4		ug/L		107	35 - 150
2-Chlorotoluene	0.65	U	20.0	21.7		ug/L		108	70 - 130
4-Chlorotoluene	0.52	U	20.0	20.5		ug/L		103	70 - 130
Chlorodibromomethane	0.34	U	20.0	21.7		ug/L		109	70 - 130
1,2-Dibromo-3-Chloropropane	2.5	U	20.0	18.8		ug/L		94	63 - 130
Ethylene Dibromide	0.50	U	20.0	22.3		ug/L		111	66 - 130
Dibromomethane	0.41	U	20.0	22.4		ug/L		112	70 - 130
1,2-Dichlorobenzene	0.44	U	20.0	20.9		ug/L		104	70 - 130
1,3-Dichlorobenzene	0.64	U	20.0	21.0		ug/L		105	70 - 130
1,4-Dichlorobenzene	0.52	U	20.0	20.8		ug/L		104	70 - 130
Dichlorodifluoromethane	2.5	U	20.0	16.6		ug/L		83	16 - 149
1,1-Dichloroethane	0.52	U	20.0	23.2		ug/L		116	66 - 130
1,2-Dichloroethane	0.57	U	20.0	21.0		ug/L		105	70 - 130
1,1,1,2-Tetrachloroethane	0.63	U	20.0	22.1		ug/L		110	70 - 130
1,1-Dichloroethene	0.45	U	20.0	22.7		ug/L		113	51 - 150
cis-1,2-Dichloroethene	0.65	U	20.0	22.8		ug/L		114	66 - 130
trans-1,2-Dichloroethene	0.44	U	20.0	21.9		ug/L		109	62 - 139
1,2-Dichloropropane	0.52	U	20.0	22.1		ug/L		110	70 - 130
1,3-Dichloropropane	0.39	U	20.0	22.5		ug/L		112	70 - 130
2,2-Dichloropropane	0.36	U	20.0	20.8		ug/L		104	66 - 134
1,1-Dichloropropene	0.31	U	20.0	21.9		ug/L		110	65 - 136
cis-1,3-Dichloropropene	0.14	U	20.0	24.1		ug/L		121	70 - 130
trans-1,3-Dichloropropene	0.14	U	20.0	22.6		ug/L		113	67 - 130
Ethylbenzene	0.44	U	20.0	20.4		ug/L		102	70 - 130
Hexachlorobutadiene	0.40	U	20.0	22.0		ug/L		110	62 - 143
Isopropylbenzene	0.19	U	20.0	21.7		ug/L		108	62 - 130
4-Isopropyltoluene	0.69	U	20.0	20.4		ug/L		102	65 - 134
Methylene Chloride	4.0	U	20.0	23.8		ug/L		119	57 - 130
Naphthalene	2.5	U	20.0	18.0		ug/L		90	50 - 136
N-Propylbenzene	0.59	U	20.0	19.6		ug/L		98	67 - 130
Styrene	0.98	U	20.0	22.7		ug/L		114	68 - 131
1,1,2,2-Tetrachloroethane	0.15	U	20.0	20.8		ug/L		104	70 - 130
Tetrachloroethene	0.50	U	20.0	20.9		ug/L		104	50 - 143
Toluene	1.0	U	20.0	21.4		ug/L		107	70 - 131
1,2,3-Trichlorobenzene	0.77	U	20.0	20.5		ug/L		102	58 - 132

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

Lab Sample ID: 660-43068-C-9 MS
Matrix: Water
Analysis Batch: 114447

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
1,2,4-Trichlorobenzene	0.58	U	20.0	20.8		ug/L		104	66 - 130
1,1,1-Trichloroethane	0.46	U	20.0	21.2		ug/L		106	63 - 132
1,1,2-Trichloroethane	0.47	U	20.0	22.9		ug/L		114	70 - 130
Trichloroethene	0.50	U	20.0	21.5		ug/L		107	63 - 139
Trichlorofluoromethane	2.5	U	20.0	23.5		ug/L		118	62 - 146
1,2,3-Trichloropropane	0.18	U	20.0	22.5		ug/L		113	66 - 130
1,2,4-Trimethylbenzene	0.86	U	20.0	21.1		ug/L		106	70 - 132
1,3,5-Trimethylbenzene	0.54	U	20.0	20.4		ug/L		102	65 - 134
Vinyl chloride	0.50	U	20.0	19.9		ug/L		100	48 - 147
o-Xylene	0.50	U	20.0	22.1		ug/L		111	69 - 130
2-Butanone (MEK)	8.4	U	40.0	47.8		ug/L		120	63 - 140
4-Methyl-2-pentanone (MIBK)	3.8	U	40.0	49.5		ug/L		124	64 - 137
Carbon disulfide	1.0	U	40.0	41.7		ug/L		104	30 - 150
2-Hexanone	4.4	U	40.0	45.6		ug/L		114	60 - 148
Methyl tert-butyl ether	0.44	U	40.0	46.1		ug/L		115	67 - 130

Surrogate	*MS % Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*101*		*70 - 130*
4-Bromofluorobenzene	*98*		*70 - 130*
Dibromofluoromethane	*103*		*70 - 130*

Lab Sample ID: 660-43068-D-5 DU
Matrix: Water
Analysis Batch: 114447

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Acetone	9.9	U	9.9	U	ug/L		NC	30
Benzene	0.50	U	0.50	U	ug/L		NC	30
Bromobenzene	0.58	U	0.58	U	ug/L		NC	30
Chlorobromomethane	0.58	U	0.58	U	ug/L		NC	30
Dichlorobromomethane	0.35	U	0.35	U	ug/L		NC	30
Bromoform	0.58	U	0.58	U	ug/L		NC	30
Bromomethane	2.5	U	2.5	U	ug/L		NC	30
n-Butylbenzene	0.67	U	0.67	U	ug/L		NC	30
sec-Butylbenzene	0.63	U	0.63	U	ug/L		NC	30
tert-Butylbenzene	0.84	U	0.84	U	ug/L		NC	30
Carbon tetrachloride	0.42	U	0.42	U	ug/L		NC	30
Chlorobenzene	0.63	U	0.63	U	ug/L		NC	30
Chloroethane	2.5	U	2.5	U	ug/L		NC	30
Chloroform	0.90	U	0.90	U	ug/L		NC	30
Chloromethane	1.0	U	1.0	U	ug/L		NC	30
2-Chlorotoluene	0.65	U	0.65	U	ug/L		NC	30
4-Chlorotoluene	0.52	U	0.52	U	ug/L		NC	30
Chlorodibromomethane	0.34	U	0.34	U	ug/L		NC	30
1,2-Dibromo-3-Chloropropane	2.5	U	2.5	U	ug/L		NC	30
Ethylene Dibromide	0.50	U	0.50	U	ug/L		NC	30
Dibromomethane	0.41	U	0.41	U	ug/L		NC	30
1,2-Dichlorobenzene	0.44	U	0.44	U	ug/L		NC	30
1,3-Dichlorobenzene	0.64	U	0.64	U	ug/L		NC	30

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

Lab Sample ID: 660-43068-D-5 DU
Matrix: Water
Analysis Batch: 114447

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
1,4-Dichlorobenzene	0.52	U		0.52	U	ug/L				NC	30
Dichlorodifluoromethane	2.5	U		2.5	U	ug/L				NC	30
1,1-Dichloroethane	0.52	U		0.52	U	ug/L				NC	30
1,2-Dichloroethane	0.57	U		0.57	U	ug/L				NC	30
1,1,1,2-Tetrachloroethane	0.63	U		0.63	U	ug/L				NC	30
1,1-Dichloroethene	0.45	U		0.45	U	ug/L				NC	30
cis-1,2-Dichloroethene	0.65	U		0.65	U	ug/L				NC	30
trans-1,2-Dichloroethene	0.44	U		0.44	U	ug/L				NC	30
1,2-Dichloropropane	0.52	U		0.52	U	ug/L				NC	30
1,3-Dichloropropane	0.39	U		0.39	U	ug/L				NC	30
2,2-Dichloropropane	0.36	U		0.36	U	ug/L				NC	30
1,1-Dichloropropene	0.31	U		0.31	U	ug/L				NC	30
cis-1,3-Dichloropropene	0.14	U		0.14	U	ug/L				NC	30
trans-1,3-Dichloropropene	0.14	U		0.14	U	ug/L				NC	30
Ethylbenzene	0.44	U		0.44	U	ug/L				NC	30
Hexachlorobutadiene	0.40	U		0.40	U	ug/L				NC	30
Isopropylbenzene	0.19	U		0.19	U	ug/L				NC	30
4-Isopropyltoluene	0.69	U		0.69	U	ug/L				NC	30
Methylene Chloride	4.0	U		4.0	U	ug/L				NC	30
Naphthalene	2.5	U		2.5	U	ug/L				NC	30
N-Propylbenzene	0.59	U		0.59	U	ug/L				NC	30
Styrene	0.98	U		0.98	U	ug/L				NC	30
1,1,2,2-Tetrachloroethane	0.15	U		0.15	U	ug/L				NC	30
Tetrachloroethene	0.50	U		0.50	U	ug/L				NC	30
Toluene	1.0	U		1.0	U	ug/L				NC	30
1,2,3-Trichlorobenzene	0.77	U		0.77	U	ug/L				NC	30
1,2,4-Trichlorobenzene	0.58	U		0.58	U	ug/L				NC	30
1,1,1-Trichloroethane	0.46	U		0.46	U	ug/L				NC	30
1,1,2-Trichloroethane	0.47	U		0.47	U	ug/L				NC	30
Trichloroethene	0.50	U		0.50	U	ug/L				NC	30
Trichlorofluoromethane	2.5	U		2.5	U	ug/L				NC	30
1,2,3-Trichloropropane	0.18	U		0.18	U	ug/L				NC	30
1,2,4-Trimethylbenzene	0.86	U		0.86	U	ug/L				NC	30
1,3,5-Trimethylbenzene	0.54	U		0.54	U	ug/L				NC	30
Vinyl chloride	0.50	U		0.50	U	ug/L				NC	30
o-Xylene	0.50	U		0.50	U	ug/L				NC	30
2-Butanone (MEK)	8.4	U		8.4	U	ug/L				NC	30
4-Methyl-2-pentanone (MIBK)	3.8	U		3.8	U	ug/L				NC	30
Carbon disulfide	1.0	U		1.0	U	ug/L				NC	30
2-Hexanone	4.4	U		4.4	U	ug/L				NC	30
Methyl tert-butyl ether	0.44	U		0.44	U	ug/L				NC	30
m-Xylene & p-Xylene	0.60	U		0.60	U	ug/L				NC	30

Surrogate	*DU % Recovery*	*DU Qualifier*	*Limits*
Toluene-d8 (Surr)	*103*		*70 - 130*
4-Bromofluorobenzene	*100*		*70 - 130*
Dibromofluoromethane	*94*		*70 - 130*

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-43211-1

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Lab Sample ID: MB 660-114444/5 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 114444

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			08/30/11 17:51	1

Lab Sample ID: LCS 660-114444/3 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 114444

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits		
1,4-Dioxane			25.0	22.5		ug/L		90	50 - 150		

Lab Sample ID: 660-43131-C-1 MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 114444

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits		
1,4-Dioxane	1.0	U	25.0	21.9		ug/L		88	50 - 150		

Lab Sample ID: 660-43131-C-1 MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 114444

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
1,4-Dioxane	1.0	U	25.0	24.6		ug/L		98	50 - 150	12	50

QC Association Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-43211-1

GC/MS VOA

Analysis Batch: 114444

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-43131-C-1 MS	Matrix Spike	Total/NA	Water	8260C _SIM/ID	
660-43131-C-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8260C _SIM/ID	
660-43211-1	Primary GAC Effluent	Total/NA	Water	8260C _SIM/ID	
660-43211-2	Mid Process	Total/NA	Water	8260C _SIM/ID	
LCS 660-114444/3	Lab Control Sample	Total/NA	Water	8260C _SIM/ID	
MB 660-114444/5	Method Blank	Total/NA	Water	8260C _SIM/ID	

Analysis Batch: 114447

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-43068-C-9 MS	Matrix Spike	Total/NA	Water	8260B	
660-43068-D-5 DU	Duplicate	Total/NA	Water	8260B	
660-43211-1	Primary GAC Effluent	Total/NA	Water	8260B	
660-43211-2	Mid Process	Total/NA	Water	8260B	
LCS 660-114447/3	Lab Control Sample	Total/NA	Water	8260B	
MB 660-114447/5	Method Blank	Total/NA	Water	8260B	

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-43211-1

Client Sample ID: Primary GAC Effluent

Lab Sample ID: 660-43211-1

Date Collected: 08/30/11 08:00

Matrix: Water

Date Received: 08/30/11 12:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C _SIM/ID		1	114444	08/30/11 21:54	RM	TAL TAM
Total/NA	Analysis	8260B		1	114447	08/31/11 00:54	RM	TAL TAM

Client Sample ID: Mid Process

Lab Sample ID: 660-43211-2

Date Collected: 08/30/11 08:05

Matrix: Water

Date Received: 08/30/11 12:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C _SIM/ID		1	114444	08/30/11 22:11	RM	TAL TAM
Total/NA	Analysis	8260B		1	114447	08/31/11 01:14	RM	TAL TAM

Laboratory References:

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Certification Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-43211-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Tampa	Alabama	State Program	4	40610
TestAmerica Tampa	Florida	NELAC	4	E84282
TestAmerica Tampa	Georgia	State Program	4	905
TestAmerica Tampa	USDA	USDA		P330-11-00177

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-43211-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL TAM
8260C _SIM/ID	1,4-Dioxane by SIM/Isotopic Dilution	SW846	TAL TAM

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-43211-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
660-43211-1	Primary GAC Effluent	Water	08/30/11 08:00	08/30/11 12:45
660-43211-2	Mid Process	Water	08/30/11 08:05	08/30/11 12:45

Serial Number 018020

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

660-43211

TestAmerica Tampa
6712 Benjamin Road, Suite 100
Tampa, FL 33634

Website: www.testamericainc.com
Phone: (813) 885-7427
Fax: (813) 885-7049

Alternate Laboratory Name/Location
Phone:
Fax:

PROJECT REFERENCE: Tallevast Carbon OM
PROJECT NO.:
PROJECT LOCATION (STATE): FL
SAMPLER'S SIGNATURE: [signature]
P.O. NUMBER: 38055.003.00009
CONTRACT NO.:
CLIENT (SITE) PM: Don Sauda
CLIENT PHONE: 8137484874
CLIENT FAX:
CLIENT NAME: Arcadis
CLIENT E-MAIL: donald.sauda@arcadis-us.com
CLIENT ADDRESS: 1600 Tallevast Rd Sarasota, FL 34243
COMPANY CONTRACTING THIS WORK (if applicable): CMC

PAGE 1 OF 1

STANDARD REPORT DELIVERY ○
DATE DUE
EXPEDITED REPORT DELIVERY (SURCHARGE) ⊗
DATE DUE 48 hrs

NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) ORGRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT....)	REQUIRED ANALYSIS: 8260 B/C Sim 1,4D	REMARKS
8-30-11	0800	Primary GAC Effluent	G	X				4	inf flow - 21.2
8-30-11	0805	Mid Process	G	X				4	sys flow - 20
									inf pH - 2.8
									eff pH - 6.7

PRESERVATIVE: HCL

NUMBER OF CONTAINERS SUBMITTED

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS			[signature]	8-30-11	1245			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
EMPTY CONTAINERS [signature]	8-29-11	0800	[signature]	8-30-11	1245			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT YES ○ NO ○	CUSTODY SEAL NO.	TAMPA LOG NO.	COOLER TEMP. UPON RECEIPT	LABORATORY REMARKS
						4.8°C cu07	

TAL8240-660 (0209)

09/01/2011

R625-EDC-002289-0

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 660-43211-1

Login Number: 43211
List Number: 1
Creator: Redding, Charles S

List Source: TestAmerica Tampa

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	4.8 degrees C Cu-07
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Tampa
6712 Benjamin Road
Suite 100
Tampa, FL 33634
Tel: (813)885-7427

TestAmerica Job ID: 660-43212-1
Client Project/Site: Tallevast Compliance
Revision: 1

For:
ARCADIS U.S. Inc
6723 Towpath Road
PO BOX 66
Syracuse, New York 13214

Attn: Donald Sauda

Authorized for release by:
09/02/2011 02:04:45 PM

Tina Fritz
Project Manager II
tina.fritz@testamericainc.com

LINKS

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Visit us at: www.testamericainc.com

Results relate only to the items tested and the sample(s) as received by the laboratory. The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

R625-EDC-002289-0

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates that the compound was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Indicates that the compound was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit (Dioxin)
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or method detection limit if shown)
PQL	Practical Quantitation Limit
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 660-43212-1

Laboratory: TestAmerica Tampa

Narrative

Job Narrative
660-43212-1

Comments
Report revised 9/2/11 following re-analyis of the Effluent sample. Initial report included a minimal detection for 1,4-Dioxane (between the MDL and PQL) which was likely the result of carry over from a contaminated sample. Re-analysis resulted in no detection for this analyte for the Effluent sample.

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
No analytical or quality issues were noted.

Metals
No analytical or quality issues were noted.

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Compliance

TestAmerica Job ID: 660-43212-1

Client Sample ID: Effluent — Lab Sample ID: 660-43212-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	0.081	I	0.20	0.050	mg/L	1		6010B	Total Recovera
Arsenic	0.0062	I	0.010	0.0040	mg/L	1		6010B	Total Recovera
Chromium	0.0043	I	0.010	0.0020	mg/L	1		6010B	Total Recovera
Copper	0.0049	I	0.010	0.0029	mg/L	1		6010B	Total Recovera
Iron	7.4		0.20	0.050	mg/L	1		6010B	Total Recovera
Nickel	0.0055	I	0.0080	0.0020	mg/L	1		6010B	Total Recovera
Zinc	0.078		0.020	0.0050	mg/L	1		6010B	Total Recovera

Client Sample ID: Combined Influent — Lab Sample ID: 660-43212-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	31		1.0	0.52	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	120		1.0	0.45	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	15		1.0	0.65	ug/L	1		8260B	Total/NA
Tetrachloroethene	23		1.0	0.50	ug/L	1		8260B	Total/NA
Trichloroethene - DL	170		10	5.0	ug/L	10		8260B	Total/NA
1,4-Dioxane	75		10	5.0	ug/L	5		8260C _SIM/ID	Total/NA
Aluminum	0.076	I	0.20	0.050	mg/L	1		6010B	Total Recovera
Iron	10		0.20	0.050	mg/L	1		6010B	Total Recovera
Nickel	0.0026	I	0.0080	0.0020	mg/L	1		6010B	Total Recovera
Lead	0.0024	I	0.010	0.0020	mg/L	1		6010B	Total Recovera

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Compliance

TestAmerica Job ID: 660-43212-1

Client Sample ID: Effluent

Date Collected: 08/30/11 08:10
Date Received: 08/30/11 12:45

Lab Sample ID: 660-43212-1

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			08/30/11 23:30	1
Benzene	0.50	U	1.0	0.50	ug/L			08/30/11 23:30	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			08/30/11 23:30	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			08/30/11 23:30	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			08/30/11 23:30	1
Bromoform	0.58	U	1.0	0.58	ug/L			08/30/11 23:30	1
Bromomethane	2.5	U	5.0	2.5	ug/L			08/30/11 23:30	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			08/30/11 23:30	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			08/30/11 23:30	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			08/30/11 23:30	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			08/30/11 23:30	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			08/30/11 23:30	1
Chloroethane	2.5	U	5.0	2.5	ug/L			08/30/11 23:30	1
Chloroform	0.90	U	1.0	0.90	ug/L			08/30/11 23:30	1
Chloromethane	1.0	U	4.0	1.0	ug/L			08/30/11 23:30	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			08/30/11 23:30	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			08/30/11 23:30	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			08/30/11 23:30	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			08/30/11 23:30	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			08/30/11 23:30	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			08/30/11 23:30	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			08/30/11 23:30	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			08/30/11 23:30	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			08/30/11 23:30	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			08/30/11 23:30	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			08/30/11 23:30	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			08/30/11 23:30	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			08/30/11 23:30	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			08/30/11 23:30	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			08/30/11 23:30	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			08/30/11 23:30	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			08/30/11 23:30	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			08/30/11 23:30	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			08/30/11 23:30	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			08/30/11 23:30	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			08/30/11 23:30	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			08/30/11 23:30	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			08/30/11 23:30	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			08/30/11 23:30	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			08/30/11 23:30	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			08/30/11 23:30	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			08/30/11 23:30	1
Naphthalene	2.5	U	5.0	2.5	ug/L			08/30/11 23:30	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			08/30/11 23:30	1
Styrene	0.98	U	2.0	0.98	ug/L			08/30/11 23:30	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			08/30/11 23:30	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			08/30/11 23:30	1
Toluene	1.0	U	1.0	1.0	ug/L			08/30/11 23:30	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			08/30/11 23:30	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			08/30/11 23:30	1

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Compliance

TestAmerica Job ID: 660-43212-1

Client Sample ID: Effluent

Lab Sample ID: 660-43212-1

Date Collected: 08/30/11 08:10
Date Received: 08/30/11 12:45

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			08/30/11 23:30	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			08/30/11 23:30	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			08/30/11 23:30	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			08/30/11 23:30	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			08/30/11 23:30	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			08/30/11 23:30	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			08/30/11 23:30	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			08/30/11 23:30	1
o-Xylene	0.50	U	1.0	0.50	ug/L			08/30/11 23:30	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			08/30/11 23:30	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			08/30/11 23:30	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			08/30/11 23:30	1
2-Hexanone	4.4	U	10	4.4	ug/L			08/30/11 23:30	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			08/30/11 23:30	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			08/30/11 23:30	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*70 - 130*		*08/30/11 23:30*	*1*
4-Bromofluorobenzene	*102*		*70 - 130*		*08/30/11 23:30*	*1*
Dibromofluoromethane	*98*		*70 - 130*		*08/30/11 23:30*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			09/02/11 10:02	1

Method: 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.081**	**I**	0.20	0.050	mg/L		08/31/11 07:43	08/31/11 14:53	1
Arsenic	**0.0062**	**I**	0.010	0.0040	mg/L		08/31/11 07:43	08/31/11 14:53	1
Beryllium	0.00050	U	0.0020	0.00050	mg/L		08/31/11 07:43	08/31/11 14:53	1
Cadmium	0.0010	U	0.0040	0.0010	mg/L		08/31/11 07:43	08/31/11 14:53	1
Chromium	**0.0043**	**I**	0.010	0.0020	mg/L		08/31/11 07:43	08/31/11 14:53	1
Copper	**0.0049**	**I**	0.010	0.0029	mg/L		08/31/11 07:43	08/31/11 14:53	1
Iron	**7.4**		0.20	0.050	mg/L		08/31/11 07:43	08/31/11 14:53	1
Nickel	**0.0055**	**I**	0.0080	0.0020	mg/L		08/31/11 07:43	08/31/11 14:53	1
Lead	0.0020	U	0.010	0.0020	mg/L		08/31/11 07:43	08/31/11 14:53	1
Zinc	**0.078**		0.020	0.0050	mg/L		08/31/11 07:43	08/31/11 14:53	1

Client Sample ID: Combined Influent

Lab Sample ID: 660-43212-2

Date Collected: 08/30/11 08:15
Date Received: 08/30/11 12:45

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			08/31/11 00:12	1
Benzene	0.50	U	1.0	0.50	ug/L			08/31/11 00:12	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			08/31/11 00:12	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			08/31/11 00:12	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			08/31/11 00:12	1
Bromoform	0.58	U	1.0	0.58	ug/L			08/31/11 00:12	1

Client Sample ID: Combined Influent
Date Collected: 08/30/11 08:15
Date Received: 08/30/11 12:45

Lab Sample ID: 660-43212-2
Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	2.5	U	5.0	2.5	ug/L			08/31/11 00:12	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			08/31/11 00:12	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			08/31/11 00:12	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			08/31/11 00:12	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			08/31/11 00:12	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			08/31/11 00:12	1
Chloroethane	2.5	U	5.0	2.5	ug/L			08/31/11 00:12	1
Chloroform	0.90	U	1.0	0.90	ug/L			08/31/11 00:12	1
Chloromethane	1.0	U	4.0	1.0	ug/L			08/31/11 00:12	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			08/31/11 00:12	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			08/31/11 00:12	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			08/31/11 00:12	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			08/31/11 00:12	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			08/31/11 00:12	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			08/31/11 00:12	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			08/31/11 00:12	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			08/31/11 00:12	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			08/31/11 00:12	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			08/31/11 00:12	1
1,1-Dichloroethane	**31**		1.0	0.52	ug/L			08/31/11 00:12	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			08/31/11 00:12	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			08/31/11 00:12	1
1,1-Dichloroethene	**120**		1.0	0.45	ug/L			08/31/11 00:12	1
cis-1,2-Dichloroethene	**15**		1.0	0.65	ug/L			08/31/11 00:12	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			08/31/11 00:12	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			08/31/11 00:12	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			08/31/11 00:12	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			08/31/11 00:12	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			08/31/11 00:12	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			08/31/11 00:12	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			08/31/11 00:12	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			08/31/11 00:12	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			08/31/11 00:12	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			08/31/11 00:12	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			08/31/11 00:12	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			08/31/11 00:12	1
Naphthalene	2.5	U	5.0	2.5	ug/L			08/31/11 00:12	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			08/31/11 00:12	1
Styrene	0.98	U	2.0	0.98	ug/L			08/31/11 00:12	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			08/31/11 00:12	1
Tetrachloroethene	**23**		1.0	0.50	ug/L			08/31/11 00:12	1
Toluene	1.0	U	1.0	1.0	ug/L			08/31/11 00:12	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			08/31/11 00:12	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			08/31/11 00:12	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			08/31/11 00:12	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			08/31/11 00:12	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			08/31/11 00:12	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			08/31/11 00:12	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			08/31/11 00:12	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			08/31/11 00:12	1

Client Sample ID: Combined Influent

Date Collected: 08/30/11 08:15
Date Received: 08/30/11 12:45

Lab Sample ID: 660-43212-2
Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.50	U	1.0	0.50	ug/L			08/31/11 00:12	1
o-Xylene	0.50	U	1.0	0.50	ug/L			08/31/11 00:12	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			08/31/11 00:12	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			08/31/11 00:12	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			08/31/11 00:12	1
2-Hexanone	4.4	U	10	4.4	ug/L			08/31/11 00:12	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			08/31/11 00:12	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			08/31/11 00:12	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*70 - 130*		*08/31/11 00:12*	*1*
4-Bromofluorobenzene	*103*		*70 - 130*		*08/31/11 00:12*	*1*
Dibromofluoromethane	*99*		*70 - 130*		*08/31/11 00:12*	*1*

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	**170**		10	5.0	ug/L			08/30/11 23:51	10

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*70 - 130*		*08/30/11 23:51*	*10*
4-Bromofluorobenzene	*100*		*70 - 130*		*08/30/11 23:51*	*10*
Dibromofluoromethane	*96*		*70 - 130*		*08/30/11 23:51*	*10*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**75**		10	5.0	ug/L			08/30/11 22:46	5

Method: 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.076**	**I**	0.20	0.050	mg/L		08/31/11 07:43	08/31/11 14:57	1
Arsenic	0.0040	U	0.010	0.0040	mg/L		08/31/11 07:43	08/31/11 14:57	1
Beryllium	0.00050	U	0.0020	0.00050	mg/L		08/31/11 07:43	08/31/11 14:57	1
Cadmium	0.0010	U	0.0040	0.0010	mg/L		08/31/11 07:43	08/31/11 14:57	1
Chromium	0.0020	U	0.010	0.0020	mg/L		08/31/11 07:43	08/31/11 14:57	1
Copper	0.0029	U	0.010	0.0029	mg/L		08/31/11 07:43	08/31/11 14:57	1
Iron	**10**		0.20	0.050	mg/L		08/31/11 07:43	08/31/11 14:57	1
Nickel	**0.0026**	**I**	0.0080	0.0020	mg/L		08/31/11 07:43	08/31/11 14:57	1
Lead	**0.0024**	**I**	0.010	0.0020	mg/L		08/31/11 07:43	08/31/11 14:57	1
Zinc	0.0050	U	0.020	0.0050	mg/L		08/31/11 07:43	08/31/11 14:57	1

Surrogate Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Compliance

TestAmerica Job ID: 660-43212-1

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)
660-43068-C-9 MS	Matrix Spike	101	98	103
660-43068-D-5 DU	Duplicate	103	100	94
660-43212-1	Effluent	101	102	98
660-43212-2 - DL	Combined Influent	102	100	96
660-43212-2	Combined Influent	102	103	99
LCS 660-114447/3	Lab Control Sample	103	102	94
MB 660-114447/5	Method Blank	102	102	94

Surrogate Legend

TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane

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

Lab Sample ID: MB 660-114447/5
Matrix: Water
Analysis Batch: 114447

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			08/30/11 20:44	1
Benzene	0.50	U	1.0	0.50	ug/L			08/30/11 20:44	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			08/30/11 20:44	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			08/30/11 20:44	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			08/30/11 20:44	1
Bromoform	0.58	U	1.0	0.58	ug/L			08/30/11 20:44	1
Bromomethane	2.5	U	5.0	2.5	ug/L			08/30/11 20:44	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			08/30/11 20:44	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			08/30/11 20:44	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			08/30/11 20:44	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			08/30/11 20:44	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			08/30/11 20:44	1
Chloroethane	2.5	U	5.0	2.5	ug/L			08/30/11 20:44	1
Chloroform	0.90	U	1.0	0.90	ug/L			08/30/11 20:44	1
Chloromethane	1.0	U	4.0	1.0	ug/L			08/30/11 20:44	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			08/30/11 20:44	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			08/30/11 20:44	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			08/30/11 20:44	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			08/30/11 20:44	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			08/30/11 20:44	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			08/30/11 20:44	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			08/30/11 20:44	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			08/30/11 20:44	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			08/30/11 20:44	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			08/30/11 20:44	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			08/30/11 20:44	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			08/30/11 20:44	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			08/30/11 20:44	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			08/30/11 20:44	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			08/30/11 20:44	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			08/30/11 20:44	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			08/30/11 20:44	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			08/30/11 20:44	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			08/30/11 20:44	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			08/30/11 20:44	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			08/30/11 20:44	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			08/30/11 20:44	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			08/30/11 20:44	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			08/30/11 20:44	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			08/30/11 20:44	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			08/30/11 20:44	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			08/30/11 20:44	1
Naphthalene	2.5	U	5.0	2.5	ug/L			08/30/11 20:44	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			08/30/11 20:44	1
Styrene	0.98	U	2.0	0.98	ug/L			08/30/11 20:44	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			08/30/11 20:44	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			08/30/11 20:44	1
Toluene	1.0	U	1.0	1.0	ug/L			08/30/11 20:44	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			08/30/11 20:44	1

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

Lab Sample ID: MB 660-114447/5
Matrix: Water
Analysis Batch: 114447

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			08/30/11 20:44	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			08/30/11 20:44	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			08/30/11 20:44	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			08/30/11 20:44	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			08/30/11 20:44	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			08/30/11 20:44	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			08/30/11 20:44	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			08/30/11 20:44	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			08/30/11 20:44	1
o-Xylene	0.50	U	1.0	0.50	ug/L			08/30/11 20:44	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			08/30/11 20:44	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			08/30/11 20:44	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			08/30/11 20:44	1
2-Hexanone	4.4	U	10	4.4	ug/L			08/30/11 20:44	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			08/30/11 20:44	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			08/30/11 20:44	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*70 - 130*		*08/30/11 20:44*	*1*
4-Bromofluorobenzene	*102*		*70 - 130*		*08/30/11 20:44*	*1*
Dibromofluoromethane	*94*		*70 - 130*		*08/30/11 20:44*	*1*

Lab Sample ID: LCS 660-114447/3
Matrix: Water
Analysis Batch: 114447

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	40.0	46.9		ug/L		117	62 - 142
Benzene	20.0	19.9		ug/L		99	68 - 134
Bromobenzene	20.0	19.8		ug/L		99	70 - 130
Chlorobromomethane	20.0	19.2		ug/L		96	70 - 130
Dichlorobromomethane	20.0	20.3		ug/L		101	70 - 130
Bromoform	20.0	20.5		ug/L		102	65 - 130
Bromomethane	20.0	23.2		ug/L		116	22 - 150
n-Butylbenzene	20.0	20.6		ug/L		103	61 - 131
sec-Butylbenzene	20.0	20.0		ug/L		100	68 - 133
tert-Butylbenzene	20.0	19.9		ug/L		99	64 - 130
Carbon tetrachloride	20.0	18.9		ug/L		94	61 - 134
Chlorobenzene	20.0	20.6		ug/L		103	70 - 130
Chloroethane	20.0	25.4		ug/L		127	39 - 150
Chloroform	20.0	18.9		ug/L		95	68 - 130
Chloromethane	20.0	19.3		ug/L		96	35 - 150
2-Chlorotoluene	20.0	20.9		ug/L		104	70 - 130
4-Chlorotoluene	20.0	20.3		ug/L		101	70 - 130
Chlorodibromomethane	20.0	20.4		ug/L		102	70 - 130
1,2-Dibromo-3-Chloropropane	20.0	18.1		ug/L		90	63 - 130
Ethylene Dibromide	20.0	20.1		ug/L		100	66 - 130
Dibromomethane	20.0	19.9		ug/L		99	70 - 130
1,2-Dichlorobenzene	20.0	19.7		ug/L		98	70 - 130

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

Lab Sample ID: LCS 660-114447/3
Matrix: Water
Analysis Batch: 114447

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
1,3-Dichlorobenzene	20.0	20.1		ug/L		100	70 - 130
1,4-Dichlorobenzene	20.0	19.8		ug/L		99	70 - 130
Dichlorodifluoromethane	20.0	17.4		ug/L		87	16 - 149
1,1-Dichloroethane	20.0	19.2		ug/L		96	66 - 130
1,2-Dichloroethane	20.0	19.0		ug/L		95	70 - 130
1,1,1,2-Tetrachloroethane	20.0	20.3		ug/L		102	70 - 130
1,1-Dichloroethene	20.0	20.5		ug/L		103	51 - 150
cis-1,2-Dichloroethene	20.0	19.8		ug/L		99	66 - 130
trans-1,2-Dichloroethene	20.0	20.7		ug/L		103	62 - 139
1,2-Dichloropropane	20.0	20.5		ug/L		103	70 - 130
1,3-Dichloropropane	20.0	20.5		ug/L		103	70 - 130
2,2-Dichloropropane	20.0	18.8		ug/L		94	66 - 134
1,1-Dichloropropene	20.0	19.8		ug/L		99	65 - 136
cis-1,3-Dichloropropene	20.0	22.8		ug/L		114	70 - 130
trans-1,3-Dichloropropene	20.0	22.3		ug/L		111	67 - 130
Ethylbenzene	20.0	20.4		ug/L		102	70 - 130
Hexachlorobutadiene	20.0	21.8		ug/L		109	62 - 143
Isopropylbenzene	20.0	20.8		ug/L		104	62 - 130
4-Isopropyltoluene	20.0	19.3		ug/L		97	65 - 134
Methylene Chloride	20.0	21.0		ug/L		105	57 - 130
Naphthalene	20.0	16.4		ug/L		82	50 - 136
N-Propylbenzene	20.0	20.7		ug/L		103	67 - 130
Styrene	20.0	22.2		ug/L		111	68 - 131
1,1,2,2-Tetrachloroethane	20.0	19.3		ug/L		96	70 - 130
Tetrachloroethene	20.0	20.0		ug/L		100	50 - 143
Toluene	20.0	20.8		ug/L		104	70 - 131
1,2,3-Trichlorobenzene	20.0	21.1		ug/L		106	58 - 132
1,2,4-Trichlorobenzene	20.0	20.2		ug/L		101	66 - 130
1,1,1-Trichloroethane	20.0	18.6		ug/L		93	63 - 132
1,1,2-Trichloroethane	20.0	20.9		ug/L		104	70 - 130
Trichloroethene	20.0	19.9		ug/L		99	63 - 139
Trichlorofluoromethane	20.0	23.0		ug/L		115	62 - 146
1,2,3-Trichloropropane	20.0	19.2		ug/L		96	66 - 130
1,2,4-Trimethylbenzene	20.0	20.8		ug/L		104	70 - 132
1,3,5-Trimethylbenzene	20.0	20.0		ug/L		100	65 - 134
Vinyl chloride	20.0	19.7		ug/L		99	48 - 147
o-Xylene	20.0	21.3		ug/L		107	69 - 130
2-Butanone (MEK)	40.0	41.5		ug/L		104	63 - 140
4-Methyl-2-pentanone (MIBK)	40.0	40.9		ug/L		102	64 - 137
Carbon disulfide	40.0	40.5		ug/L		101	30 - 150
2-Hexanone	40.0	39.6		ug/L		99	60 - 148
Methyl tert-butyl ether	40.0	38.4		ug/L		96	67 - 130

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*103*		*70 - 130*
4-Bromofluorobenzene	*102*		*70 - 130*
Dibromofluoromethane	*94*		*70 - 130*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Lab Sample ID: MB 660-114444/5 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 114444

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			08/30/11 17:51	1

Lab Sample ID: LCS 660-114444/3 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 114444

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
1,4-Dioxane	25.0	22.5		ug/L		90	50 - 150

Lab Sample ID: MB 660-114576/5 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 114576

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			09/02/11 08:59	1

Lab Sample ID: LCS 660-114576/3 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 114576

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
1,4-Dioxane	25.0	21.1		ug/L		84	50 - 150

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 660-114399/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 114449 — **Prep Batch: 114399**

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.050	U	0.20	0.050	mg/L		08/31/11 07:43	08/31/11 14:11	1
Arsenic	0.0040	U	0.010	0.0040	mg/L		08/31/11 07:43	08/31/11 14:11	1
Beryllium	0.00050	U	0.0020	0.00050	mg/L		08/31/11 07:43	08/31/11 14:11	1
Cadmium	0.0010	U	0.0040	0.0010	mg/L		08/31/11 07:43	08/31/11 14:11	1
Chromium	0.0020	U	0.010	0.0020	mg/L		08/31/11 07:43	08/31/11 14:11	1
Copper	0.0029	U	0.010	0.0029	mg/L		08/31/11 07:43	08/31/11 14:11	1
Iron	0.050	U	0.20	0.050	mg/L		08/31/11 07:43	08/31/11 14:11	1
Nickel	0.0020	U	0.0080	0.0020	mg/L		08/31/11 07:43	08/31/11 14:11	1
Zinc	0.0050	U	0.020	0.0050	mg/L		08/31/11 07:43	08/31/11 14:11	1

Lab Sample ID: MB 660-114399/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 114449 — **Prep Batch: 114399**

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.0020	U	0.010	0.0020	mg/L		08/31/11 07:43	08/31/11 15:29	1

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

Lab Sample ID: LCS 660-114399/2-A
Matrix: Water
Analysis Batch: 114449

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 114399

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Aluminum	1.00	1.04		mg/L		104	75 - 125
Arsenic	1.00	0.999		mg/L		100	75 - 125
Beryllium	1.00	1.04		mg/L		104	75 - 125
Cadmium	1.00	1.04		mg/L		104	75 - 125
Chromium	1.00	1.00		mg/L		100	75 - 125
Copper	1.00	1.05		mg/L		105	75 - 125
Iron	1.00	1.05		mg/L		105	75 - 125
Nickel	1.00	1.07		mg/L		107	75 - 125
Lead	1.00	1.06		mg/L		106	75 - 125
Zinc	1.00	1.01		mg/L		101	75 - 125

QC Association Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Compliance

TestAmerica Job ID: 660-43212-1

GC/MS VOA

Analysis Batch: 114444

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-43212-2	Combined Influent	Total/NA	Water	8260C _SIM/ID	
LCS 660-114444/3	Lab Control Sample	Total/NA	Water	8260C _SIM/ID	
MB 660-114444/5	Method Blank	Total/NA	Water	8260C _SIM/ID	

Analysis Batch: 114447

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-43212-1	Effluent	Total/NA	Water	8260B	
660-43212-2 - DL	Combined Influent	Total/NA	Water	8260B	
660-43212-2	Combined Influent	Total/NA	Water	8260B	
LCS 660-114447/3	Lab Control Sample	Total/NA	Water	8260B	
MB 660-114447/5	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 114576

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-43212-1	Effluent	Total/NA	Water	8260C _SIM/ID	
LCS 660-114576/3	Lab Control Sample	Total/NA	Water	8260C _SIM/ID	
MB 660-114576/5	Method Blank	Total/NA	Water	8260C _SIM/ID	

Metals

Prep Batch: 114399

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-43212-1	Effluent	Total Recoverable	Water	3005A	
660-43212-2	Combined Influent	Total Recoverable	Water	3005A	
LCS 660-114399/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 660-114399/1-A	Method Blank	Total Recoverable	Water	3005A	

Analysis Batch: 114449

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-43212-1	Effluent	Total Recoverable	Water	6010B	114399
660-43212-2	Combined Influent	Total Recoverable	Water	6010B	114399
LCS 660-114399/2-A	Lab Control Sample	Total Recoverable	Water	6010B	114399
MB 660-114399/1-A	Method Blank	Total Recoverable	Water	6010B	114399
MB 660-114399/1-A	Method Blank	Total Recoverable	Water	6010B	114399

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Compliance

TestAmerica Job ID: 660-43212-1

Client Sample ID: Effluent

Lab Sample ID: 660-43212-1

Date Collected: 08/30/11 08:10
Matrix: Water
Date Received: 08/30/11 12:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	114447	08/30/11 23:30	RM	TAL TAM
Total/NA	Analysis	8260C _SIM/ID		1	114576	09/02/11 10:02	TP	TAL TAM
Total Recoverable	Prep	3005A			114399	08/31/11 07:43	GF	TAL TAM
Total Recoverable	Analysis	6010B		1	114449	08/31/11 14:53	GF	TAL TAM

Client Sample ID: Combined Influent

Lab Sample ID: 660-43212-2

Date Collected: 08/30/11 08:15
Matrix: Water
Date Received: 08/30/11 12:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C _SIM/ID		5	114444	08/30/11 22:46	RM	TAL TAM
Total/NA	Analysis	8260B	DL	10	114447	08/30/11 23:51	RM	TAL TAM
Total/NA	Analysis	8260B		1	114447	08/31/11 00:12	RM	TAL TAM
Total Recoverable	Prep	3005A			114399	08/31/11 07:43	GF	TAL TAM
Total Recoverable	Analysis	6010B		1	114449	08/31/11 14:57	GF	TAL TAM

Laboratory References:
TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Certification Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Compliance

TestAmerica Job ID: 660-43212-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Tampa	Alabama	State Program	4	40610
TestAmerica Tampa	Florida	NELAC	4	E84282
TestAmerica Tampa	Georgia	State Program	4	905
TestAmerica Tampa	USDA	USDA		P330-11-00177

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Compliance

TestAmerica Job ID: 660-43212-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL TAM
8260C _SIM/ID	1,4-Dioxane by SIM/Isotopic Dilution	SW846	TAL TAM
6010B	Metals (ICP)	SW846	TAL TAM

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Compliance

TestAmerica Job ID: 660-43212-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
660-43212-1	Effluent	Water	08/30/11 08:10	08/30/11 12:45
660-43212-2	Combined Influent	Water	08/30/11 08:15	08/30/11 12:45

Serial Number 018045

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

660-43212

TestAmerica Tampa
6712 Benjamin Road, Suite 100
Tampa, FL 33634
Website: www.testamericainc.com
Phone: (813) 885-7427
Fax: (813) 885-7049

Alternate Laboratory Name/Location
Phone:
Fax:

PROJECT REFERENCE	Tallevast Compliance
PROJECT NO.	
PROJECT LOCATION (STATE)	FL
SAMPLER'S SIGNATURE	[signature]
P.O. NUMBER	38055.0038.00012
CONTRACT NO.	
CLIENT (SITE) PM	Don Sauda
CLIENT PHONE	8137484874
CLIENT FAX	
CLIENT NAME	Arcadis
CLIENT E-MAIL	donald.sauda@arcadisus.com
CLIENT ADDRESS	1600 Tallevast Rd Sarasota, FL 34243
COMPANY CONTRACTING THIS WORK (if applicable)	LMC
PAGE	1 OF 1
STANDARD REPORT DELIVERY	○
DATE DUE	
EXPEDITED REPORT DELIVERY (SURCHARGE)	⊗
DATE DUE	48 hrs
NUMBER OF COOLERS SUBMITTED PER SHIPMENT:	

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT...)	8260 B/C SIM 1P	6010 "10 metals"									REMARKS
								HCL	NHO3	PRESERVATIVE								
8-30-11	0810	Effluent	G	X				4	1									inf flow - 21.2
8-30-11	0815	Combined Influent	G	X				4	1									sys flow - 20
																		inf pH - 2.8
																		eff pH - 6.7
																		10 metals are -
																		Al, As, Be, Cd,
																		Cr, Cu, Fe, Pb,
																		Ni, Zn

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS [signature]	8/22/11	1400	[signature]	8/30/11	1245			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS [signature]	8/23/11	0800	[signature]	8-30-11	1245			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	TAMPA LOG NO.	COOLER TEMP. UPON RECEIPT	LABORATORY REMARKS
			YES ○ NO ○			4.8°C OWO7	

TAL8240-660 (0209)

09/02/2011

R625-EDC-002289-0

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 660-43212-1

Login Number: 43212
List Number: 1
Creator: Redding, Charles S

List Source: TestAmerica Tampa

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	4.8 degrees C Cu-07
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Tampa
6712 Benjamin Road
Suite 100
Tampa, FL 33634
Tel: (813)885-7427

TestAmerica Job ID: 660-43239-1
Client Project/Site: Tallevast Quarterly

For:
ARCADIS U.S. Inc
6723 Towpath Road
PO BOX 66
Syracuse, New York 13214

Attn: Donald Sauda

Authorized for release by:
09/16/2011 08:49:42 AM

Tina Fritz
Project Manager II
tina.fritz@testamericainc.com

LINKS

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Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

Results relate only to the items tested and the sample(s) as received by the laboratory. The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

R625-EDC-002289-0

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
U	Indicates that the compound was analyzed for but not detected.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

Metals

Qualifier	Qualifier Description
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Indicates that the compound was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit (Dioxin)
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or method detection limit if shown)
PQL	Practical Quantitation Limit
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 660-43239-1

Laboratory: TestAmerica Tampa

Narrative

Job Narrative
660-43239-1

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
Method 8260B: A full list spike was utilized for this method. The LCS associated with batch 114790 had 1 analyte outside control limits. The laboratory's SOP allows for 5 analytes to recover outside criteria for this method when a full list spike is utilized. These results have been reported and qualified.

Method 8260B: The matrix spike (MS) recoveries for batch 114790 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for batch 114881 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria. Dilution was necessary due to limited sample volume.

Method 8260B: The initial calibration verification (ICV) for analytical batch 114881 exceeded control criteria for Acrolein. Since the ICV was biased high, all samples that are non-detect (ND) will be reported.

Method 8260B: The matrix duplicate %RPD associated with batch 114876 was outside the control limits.

No other analytical or quality issues were noted.

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Quarterly

TestAmerica Job ID: 660-43239-1

Client Sample ID: EW-101 — Lab Sample ID: 660-43239-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	17		1.0	0.52	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	7.0		1.0	0.45	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	25		1.0	0.65	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	1.7		1.0	0.44	ug/L	1		8260B	Total/NA
Tetrachloroethene	17		1.0	0.50	ug/L	1		8260B	Total/NA
Trichloroethene - DL	180		10	5.0	ug/L	10		8260B	Total/NA
1,4-Dioxane	8.2		2.0	1.0	ug/L	1		8260C _SIM/ID	Total/NA
Aluminum	0.098	I	0.20	0.050	mg/L	1		6010B	Total Recovera
Arsenic	0.0071	I	0.010	0.0040	mg/L	1		6010B	Total Recovera
Iron	4.3		0.20	0.050	mg/L	1		6010B	Total Recovera
Nickel	0.015		0.0080	0.0020	mg/L	1		6010B	Total Recovera

Client Sample ID: EW-102 — Lab Sample ID: 660-43239-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	6.5		1.0	0.52	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	49		1.0	0.45	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	14		1.0	0.65	ug/L	1		8260B	Total/NA
Trichloroethene	53		1.0	0.50	ug/L	1		8260B	Total/NA
1,4-Dioxane	29		2.0	1.0	ug/L	1		8260C _SIM/ID	Total/NA
Iron	4.3		0.20	0.050	mg/L	1		6010B	Total Recovera
Lead	0.0026	I	0.010	0.0020	mg/L	1		6010B	Total Recovera

Client Sample ID: EW-103 — Lab Sample ID: 660-43239-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	3.8		1.0	0.52	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	1.1		1.0	0.45	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	0.67	I	1.0	0.65	ug/L	1		8260B	Total/NA
Tetrachloroethene	0.87	I	1.0	0.50	ug/L	1		8260B	Total/NA
Trichloroethene	17		1.0	0.50	ug/L	1		8260B	Total/NA
Aluminum	0.22		0.20	0.050	mg/L	1		6010B	Total Recovera
Chromium	0.0026	I	0.010	0.0020	mg/L	1		6010B	Total Recovera
Iron	12		0.20	0.050	mg/L	1		6010B	Total Recovera

Client Sample ID: EW-104 — Lab Sample ID: 660-43239-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	24		1.0	0.52	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	53		1.0	0.45	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	39		1.0	0.65	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	1.5		1.0	0.44	ug/L	1		8260B	Total/NA
Tetrachloroethene	3.9		1.0	0.50	ug/L	1		8260B	Total/NA
Trichloroethene - DL	430		10	5.0	ug/L	10		8260B	Total/NA
1,4-Dioxane	38		2.0	1.0	ug/L	1		8260C _SIM/ID	Total/NA
Iron	14		0.20	0.050	mg/L	1		6010B	Total Recovera

Client Sample ID: EW-105 — Lab Sample ID: 660-43239-5

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	12		1.0	0.52	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	8.0		1.0	0.45	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	12		1.0	0.65	ug/L	1		8260B	Total/NA
Tetrachloroethene	29		1.0	0.50	ug/L	1		8260B	Total/NA

Client Sample ID: EW-105 (Continued) — Lab Sample ID: 660-43239-5

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene - DL	240		10	5.0	ug/L	10		8260B	Total/NA
1,4-Dioxane	21		2.0	1.0	ug/L	1		8260C _SIM/ID	Total/NA
Aluminum	0.13	I	0.20	0.050	mg/L	1		6010B	Total Recovera
Arsenic	0.0059	I	0.010	0.0040	mg/L	1		6010B	Total Recovera
Iron	8.8		0.20	0.050	mg/L	1		6010B	Total Recovera
Nickel	0.020		0.0080	0.0020	mg/L	1		6010B	Total Recovera

Client Sample ID: EW-106 — Lab Sample ID: 660-43239-6

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	19		10	5.2	ug/L	10		8260B	Total/NA
1,1-Dichloroethene	46		10	4.5	ug/L	10		8260B	Total/NA
cis-1,2-Dichloroethene	30		10	6.5	ug/L	10		8260B	Total/NA
Tetrachloroethene	34		10	5.0	ug/L	10		8260B	Total/NA
Trichloroethene - DL	140		10	5.0	ug/L	10		8260B	Total/NA
1,4-Dioxane	54		10	5.0	ug/L	5		8260C _SIM/ID	Total/NA
Aluminum	0.092	I	0.20	0.050	mg/L	1		6010B	Total Recovera
Arsenic	0.022		0.010	0.0040	mg/L	1		6010B	Total Recovera
Iron	46		0.20	0.050	mg/L	1		6010B	Total Recovera
Nickel	0.011		0.0080	0.0020	mg/L	1		6010B	Total Recovera

Client Sample ID: EW-107 — Lab Sample ID: 660-43239-7

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.4		1.0	0.52	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	2.0		1.0	0.45	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	2.0		1.0	0.65	ug/L	1		8260B	Total/NA
Tetrachloroethene	18		1.0	0.50	ug/L	1		8260B	Total/NA
Trichloroethene	72		1.0	0.50	ug/L	1		8260B	Total/NA
1,4-Dioxane	3.5		2.0	1.0	ug/L	1		8260C _SIM/ID	Total/NA
Aluminum	0.41		0.20	0.050	mg/L	1		6010B	Total Recovera
Arsenic	0.0096	I	0.010	0.0040	mg/L	1		6010B	Total Recovera
Iron	56		0.20	0.050	mg/L	1		6010B	Total Recovera
Lead	0.0028	I	0.010	0.0020	mg/L	1		6010B	Total Recovera

Client Sample ID: EW-108 — Lab Sample ID: 660-43239-8

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	85		1.0	0.52	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	19		1.0	0.45	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	22		1.0	0.65	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	0.47	I	1.0	0.44	ug/L	1		8260B	Total/NA
Tetrachloroethene	49		1.0	0.50	ug/L	1		8260B	Total/NA
Trichloroethene	150		10	5.0	ug/L	10		8260B	Total/NA
Vinyl chloride	3.1		1.0	0.50	ug/L	1		8260B	Total/NA
1,4-Dioxane	330		20	10	ug/L	10		8260C _SIM/ID	Total/NA
Iron	4.3		0.20	0.050	mg/L	1		6010B	Total Recovera

Client Sample ID: EW-109 — Lab Sample ID: 660-43239-9

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	0.61	I	1.0	0.50	ug/L	1		8260B	Total/NA
Aluminum	1.2		0.20	0.050	mg/L	1		6010B	Total Recovera
Arsenic	0.020		0.010	0.0040	mg/L	1		6010B	Total Recovera

Client Sample ID: EW-109 (Continued) — Lab Sample ID: 660-43239-9

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	0.0027	I	0.010	0.0020	mg/L	1		6010B	Total Recovera
Iron	66		0.20	0.050	mg/L	1		6010B	Total Recovera
Lead	0.0026	I	0.010	0.0020	mg/L	1		6010B	Total Recovera

Client Sample ID: EW-110 — Lab Sample ID: 660-43239-10

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	15		1.0	0.52	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	56		1.0	0.45	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	2.7		1.0	0.65	ug/L	1		8260B	Total/NA
Tetrachloroethene	6.3		1.0	0.50	ug/L	1		8260B	Total/NA
Trichloroethene	19		1.0	0.50	ug/L	1		8260B	Total/NA
1,4-Dioxane	11		2.0	1.0	ug/L	1		8260C _SIM/ID	Total/NA
Aluminum	0.30		0.20	0.050	mg/L	1		6010B	Total Recovera
Arsenic	0.014		0.010	0.0040	mg/L	1		6010B	Total Recovera
Iron	64		0.20	0.050	mg/L	1		6010B	Total Recovera
Lead	0.0046	I	0.010	0.0020	mg/L	1		6010B	Total Recovera

Client Sample ID: IWI-2 — Lab Sample ID: 660-43239-11

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	5.4		1.0	0.52	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	13		1.0	0.45	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	38		1.0	0.65	ug/L	1		8260B	Total/NA
Trichloroethene	23		1.0	0.50	ug/L	1		8260B	Total/NA
Vinyl chloride	17		1.0	0.50	ug/L	1		8260B	Total/NA
1,4-Dioxane	70		10	5.0	ug/L	5		8260C _SIM/ID	Total/NA

Client Sample ID: MW-85 — Lab Sample ID: 660-43239-12

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	65		1.0	0.52	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	28		1.0	0.45	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	21		1.0	0.65	ug/L	1		8260B	Total/NA
Trichloroethene	1.5		1.0	0.50	ug/L	1		8260B	Total/NA
Vinyl chloride	1.2		1.0	0.50	ug/L	1		8260B	Total/NA
1,4-Dioxane	200		10	5.0	ug/L	5		8260C _SIM/ID	Total/NA

Client Sample ID: EW-101

Date Collected: 08/30/11 08:20
Date Received: 08/30/11 12:45

Lab Sample ID: 660-43239-1

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			09/08/11 21:47	1
Benzene	0.50	U	1.0	0.50	ug/L			09/08/11 21:47	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			09/08/11 21:47	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			09/08/11 21:47	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			09/08/11 21:47	1
Bromoform	0.58	U	1.0	0.58	ug/L			09/08/11 21:47	1
Bromomethane	2.5	U	5.0	2.5	ug/L			09/08/11 21:47	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			09/08/11 21:47	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			09/08/11 21:47	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			09/08/11 21:47	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			09/08/11 21:47	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			09/08/11 21:47	1
Chloroethane	2.5	U	5.0	2.5	ug/L			09/08/11 21:47	1
Chloroform	0.90	U	1.0	0.90	ug/L			09/08/11 21:47	1
Chloromethane	1.0	U	4.0	1.0	ug/L			09/08/11 21:47	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			09/08/11 21:47	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			09/08/11 21:47	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			09/08/11 21:47	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			09/08/11 21:47	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			09/08/11 21:47	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			09/08/11 21:47	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			09/08/11 21:47	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			09/08/11 21:47	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			09/08/11 21:47	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			09/08/11 21:47	1
1,1-Dichloroethane	**17**		1.0	0.52	ug/L			09/08/11 21:47	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			09/08/11 21:47	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			09/08/11 21:47	1
1,1-Dichloroethene	**7.0**		1.0	0.45	ug/L			09/08/11 21:47	1
cis-1,2-Dichloroethene	**25**		1.0	0.65	ug/L			09/08/11 21:47	1
trans-1,2-Dichloroethene	**1.7**		1.0	0.44	ug/L			09/08/11 21:47	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			09/08/11 21:47	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			09/08/11 21:47	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			09/08/11 21:47	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			09/08/11 21:47	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			09/08/11 21:47	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			09/08/11 21:47	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			09/08/11 21:47	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			09/08/11 21:47	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			09/08/11 21:47	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			09/08/11 21:47	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			09/08/11 21:47	1
Naphthalene	2.5	U	5.0	2.5	ug/L			09/08/11 21:47	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			09/08/11 21:47	1
Styrene	0.98	U	2.0	0.98	ug/L			09/08/11 21:47	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			09/08/11 21:47	1
Tetrachloroethene	**17**		1.0	0.50	ug/L			09/08/11 21:47	1
Toluene	1.0	U	1.0	1.0	ug/L			09/08/11 21:47	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			09/08/11 21:47	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			09/08/11 21:47	1

Client Sample ID: EW-101

Date Collected: 08/30/11 08:20
Date Received: 08/30/11 12:45

Lab Sample ID: 660-43239-1

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			09/08/11 21:47	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			09/08/11 21:47	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			09/08/11 21:47	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			09/08/11 21:47	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			09/08/11 21:47	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			09/08/11 21:47	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			09/08/11 21:47	1
o-Xylene	0.50	U	1.0	0.50	ug/L			09/08/11 21:47	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			09/08/11 21:47	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			09/08/11 21:47	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			09/08/11 21:47	1
2-Hexanone	4.4	U	10	4.4	ug/L			09/08/11 21:47	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			09/08/11 21:47	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			09/08/11 21:47	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*104*		*70 - 130*		*09/08/11 21:47*	*1*
4-Bromofluorobenzene	*105*		*70 - 130*		*09/08/11 21:47*	*1*
Dibromofluoromethane	*106*		*70 - 130*		*09/08/11 21:47*	*1*

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	**180**		10	5.0	ug/L			09/08/11 19:41	10

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*70 - 130*		*09/08/11 19:41*	*10*
4-Bromofluorobenzene	*106*		*70 - 130*		*09/08/11 19:41*	*10*
Dibromofluoromethane	*102*		*70 - 130*		*09/08/11 19:41*	*10*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**8.2**		2.0	1.0	ug/L			09/07/11 18:39	1

Method: 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.098**	**I**	0.20	0.050	mg/L		09/01/11 09:42	09/02/11 10:05	1
Arsenic	**0.0071**	**I**	0.010	0.0040	mg/L		09/01/11 09:42	09/02/11 10:05	1
Beryllium	0.00050	U	0.0020	0.00050	mg/L		09/01/11 09:42	09/02/11 10:05	1
Cadmium	0.0010	U	0.0040	0.0010	mg/L		09/01/11 09:42	09/02/11 10:05	1
Chromium	0.0020	U	0.010	0.0020	mg/L		09/01/11 09:42	09/02/11 10:05	1
Copper	0.0029	U	0.010	0.0029	mg/L		09/01/11 09:42	09/02/11 10:05	1
Iron	**4.3**		0.20	0.050	mg/L		09/01/11 09:42	09/02/11 10:05	1
Nickel	**0.015**		0.0080	0.0020	mg/L		09/01/11 09:42	09/02/11 10:05	1
Lead	0.0020	U	0.010	0.0020	mg/L		09/01/11 09:42	09/02/11 10:05	1
Zinc	0.0050	U	0.020	0.0050	mg/L		09/01/11 09:42	09/02/11 10:05	1

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Quarterly

TestAmerica Job ID: 660-43239-1

Client Sample ID: EW-102

Date Collected: 08/30/11 08:25
Date Received: 08/30/11 12:45

Lab Sample ID: 660-43239-2

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			09/08/11 20:02	1
Benzene	0.50	U	1.0	0.50	ug/L			09/08/11 20:02	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			09/08/11 20:02	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			09/08/11 20:02	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			09/08/11 20:02	1
Bromoform	0.58	U	1.0	0.58	ug/L			09/08/11 20:02	1
Bromomethane	2.5	U	5.0	2.5	ug/L			09/08/11 20:02	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			09/08/11 20:02	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			09/08/11 20:02	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			09/08/11 20:02	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			09/08/11 20:02	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			09/08/11 20:02	1
Chloroethane	2.5	U	5.0	2.5	ug/L			09/08/11 20:02	1
Chloroform	0.90	U	1.0	0.90	ug/L			09/08/11 20:02	1
Chloromethane	1.0	U	4.0	1.0	ug/L			09/08/11 20:02	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			09/08/11 20:02	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			09/08/11 20:02	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			09/08/11 20:02	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			09/08/11 20:02	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			09/08/11 20:02	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			09/08/11 20:02	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			09/08/11 20:02	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			09/08/11 20:02	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			09/08/11 20:02	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			09/08/11 20:02	1
1,1-Dichloroethane	**6.5**		1.0	0.52	ug/L			09/08/11 20:02	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			09/08/11 20:02	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			09/08/11 20:02	1
1,1-Dichloroethene	**49**		1.0	0.45	ug/L			09/08/11 20:02	1
cis-1,2-Dichloroethene	**14**		1.0	0.65	ug/L			09/08/11 20:02	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			09/08/11 20:02	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			09/08/11 20:02	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			09/08/11 20:02	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			09/08/11 20:02	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			09/08/11 20:02	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			09/08/11 20:02	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			09/08/11 20:02	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			09/08/11 20:02	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			09/08/11 20:02	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			09/08/11 20:02	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			09/08/11 20:02	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			09/08/11 20:02	1
Naphthalene	2.5	U	5.0	2.5	ug/L			09/08/11 20:02	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			09/08/11 20:02	1
Styrene	0.98	U	2.0	0.98	ug/L			09/08/11 20:02	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			09/08/11 20:02	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			09/08/11 20:02	1
Toluene	1.0	U	1.0	1.0	ug/L			09/08/11 20:02	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			09/08/11 20:02	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			09/08/11 20:02	1

Client Sample ID: EW-102

Lab Sample ID: 660-43239-2

Date Collected: 08/30/11 08:25
Date Received: 08/30/11 12:45

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			09/08/11 20:02	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			09/08/11 20:02	1
Trichloroethene	**53**		1.0	0.50	ug/L			09/08/11 20:02	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			09/08/11 20:02	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			09/08/11 20:02	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			09/08/11 20:02	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			09/08/11 20:02	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			09/08/11 20:02	1
o-Xylene	0.50	U	1.0	0.50	ug/L			09/08/11 20:02	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			09/08/11 20:02	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			09/08/11 20:02	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			09/08/11 20:02	1
2-Hexanone	4.4	U	10	4.4	ug/L			09/08/11 20:02	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			09/08/11 20:02	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			09/08/11 20:02	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*70 - 130*		*09/08/11 20:02*	*1*
4-Bromofluorobenzene	*103*		*70 - 130*		*09/08/11 20:02*	*1*
Dibromofluoromethane	*104*		*70 - 130*		*09/08/11 20:02*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**29**		2.0	1.0	ug/L			09/02/11 23:19	1

Method: 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.050	U	0.20	0.050	mg/L		09/01/11 09:42	09/02/11 10:24	1
Arsenic	0.0040	U	0.010	0.0040	mg/L		09/01/11 09:42	09/02/11 10:24	1
Beryllium	0.00050	U	0.0020	0.00050	mg/L		09/01/11 09:42	09/02/11 10:24	1
Cadmium	0.0010	U	0.0040	0.0010	mg/L		09/01/11 09:42	09/02/11 10:24	1
Chromium	0.0020	U	0.010	0.0020	mg/L		09/01/11 09:42	09/02/11 10:24	1
Copper	0.0029	U	0.010	0.0029	mg/L		09/01/11 09:42	09/02/11 10:24	1
Iron	**4.3**		0.20	0.050	mg/L		09/01/11 09:42	09/02/11 10:24	1
Nickel	0.0020	U	0.0080	0.0020	mg/L		09/01/11 09:42	09/02/11 10:24	1
Lead	**0.0026**	**I**	0.010	0.0020	mg/L		09/01/11 09:42	09/02/11 10:24	1
Zinc	0.0050	U	0.020	0.0050	mg/L		09/01/11 09:42	09/02/11 10:24	1

Client Sample ID: EW-103

Lab Sample ID: 660-43239-3

Date Collected: 08/30/11 08:30
Date Received: 08/30/11 12:45

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			09/08/11 20:23	1
Benzene	0.50	U	1.0	0.50	ug/L			09/08/11 20:23	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			09/08/11 20:23	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			09/08/11 20:23	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			09/08/11 20:23	1
Bromoform	0.58	U	1.0	0.58	ug/L			09/08/11 20:23	1

Client Sample ID: EW-103
Date Collected: 08/30/11 08:30
Date Received: 08/30/11 12:45

Lab Sample ID: 660-43239-3
Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	2.5	U	5.0	2.5	ug/L			09/08/11 20:23	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			09/08/11 20:23	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			09/08/11 20:23	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			09/08/11 20:23	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			09/08/11 20:23	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			09/08/11 20:23	1
Chloroethane	2.5	U	5.0	2.5	ug/L			09/08/11 20:23	1
Chloroform	0.90	U	1.0	0.90	ug/L			09/08/11 20:23	1
Chloromethane	1.0	U	4.0	1.0	ug/L			09/08/11 20:23	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			09/08/11 20:23	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			09/08/11 20:23	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			09/08/11 20:23	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			09/08/11 20:23	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			09/08/11 20:23	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			09/08/11 20:23	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			09/08/11 20:23	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			09/08/11 20:23	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			09/08/11 20:23	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			09/08/11 20:23	1
1,1-Dichloroethane	**3.8**		1.0	0.52	ug/L			09/08/11 20:23	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			09/08/11 20:23	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			09/08/11 20:23	1
1,1-Dichloroethene	**1.1**		1.0	0.45	ug/L			09/08/11 20:23	1
cis-1,2-Dichloroethene	**0.67**	**I**	1.0	0.65	ug/L			09/08/11 20:23	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			09/08/11 20:23	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			09/08/11 20:23	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			09/08/11 20:23	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			09/08/11 20:23	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			09/08/11 20:23	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			09/08/11 20:23	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			09/08/11 20:23	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			09/08/11 20:23	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			09/08/11 20:23	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			09/08/11 20:23	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			09/08/11 20:23	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			09/08/11 20:23	1
Naphthalene	2.5	U	5.0	2.5	ug/L			09/08/11 20:23	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			09/08/11 20:23	1
Styrene	0.98	U	2.0	0.98	ug/L			09/08/11 20:23	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			09/08/11 20:23	1
Tetrachloroethene	**0.87**	**I**	1.0	0.50	ug/L			09/08/11 20:23	1
Toluene	1.0	U	1.0	1.0	ug/L			09/08/11 20:23	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			09/08/11 20:23	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			09/08/11 20:23	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			09/08/11 20:23	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			09/08/11 20:23	1
Trichloroethene	**17**		1.0	0.50	ug/L			09/08/11 20:23	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			09/08/11 20:23	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			09/08/11 20:23	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			09/08/11 20:23	1

Client Sample ID: EW-103

Lab Sample ID: 660-43239-3

Date Collected: 08/30/11 08:30

Matrix: Water

Date Received: 08/30/11 12:45

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			09/08/11 20:23	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			09/08/11 20:23	1
o-Xylene	0.50	U	1.0	0.50	ug/L			09/08/11 20:23	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			09/08/11 20:23	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			09/08/11 20:23	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			09/08/11 20:23	1
2-Hexanone	4.4	U	10	4.4	ug/L			09/08/11 20:23	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			09/08/11 20:23	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			09/08/11 20:23	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*106*		*70 - 130*		*09/08/11 20:23*	*1*
4-Bromofluorobenzene	*103*		*70 - 130*		*09/08/11 20:23*	*1*
Dibromofluoromethane	*99*		*70 - 130*		*09/08/11 20:23*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			09/02/11 20:38	1

Method: 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.22**		0.20	0.050	mg/L		09/01/11 09:42	09/02/11 10:28	1
Arsenic	0.0040	U	0.010	0.0040	mg/L		09/01/11 09:42	09/02/11 10:28	1
Beryllium	0.00050	U	0.0020	0.00050	mg/L		09/01/11 09:42	09/02/11 10:28	1
Cadmium	0.0010	U	0.0040	0.0010	mg/L		09/01/11 09:42	09/02/11 10:28	1
Chromium	**0.0026**	**I**	0.010	0.0020	mg/L		09/01/11 09:42	09/02/11 10:28	1
Copper	0.0029	U	0.010	0.0029	mg/L		09/01/11 09:42	09/02/11 10:28	1
Iron	**12**		0.20	0.050	mg/L		09/01/11 09:42	09/02/11 10:28	1
Nickel	0.0020	U	0.0080	0.0020	mg/L		09/01/11 09:42	09/02/11 10:28	1
Lead	0.0020	U	0.010	0.0020	mg/L		09/01/11 09:42	09/02/11 10:28	1
Zinc	0.0050	U	0.020	0.0050	mg/L		09/01/11 09:42	09/02/11 10:28	1

Client Sample ID: EW-104

Lab Sample ID: 660-43239-4

Date Collected: 08/30/11 08:35

Matrix: Water

Date Received: 08/30/11 12:45

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			09/08/11 22:07	1
Benzene	0.50	U	1.0	0.50	ug/L			09/08/11 22:07	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			09/08/11 22:07	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			09/08/11 22:07	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			09/08/11 22:07	1
Bromoform	0.58	U	1.0	0.58	ug/L			09/08/11 22:07	1
Bromomethane	2.5	U	5.0	2.5	ug/L			09/08/11 22:07	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			09/08/11 22:07	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			09/08/11 22:07	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			09/08/11 22:07	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			09/08/11 22:07	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			09/08/11 22:07	1

Client Sample ID: EW-104
Date Collected: 08/30/11 08:35
Date Received: 08/30/11 12:45

Lab Sample ID: 660-43239-4
Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	2.5	U	5.0	2.5	ug/L			09/08/11 22:07	1
Chloroform	0.90	U	1.0	0.90	ug/L			09/08/11 22:07	1
Chloromethane	1.0	U	4.0	1.0	ug/L			09/08/11 22:07	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			09/08/11 22:07	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			09/08/11 22:07	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			09/08/11 22:07	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			09/08/11 22:07	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			09/08/11 22:07	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			09/08/11 22:07	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			09/08/11 22:07	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			09/08/11 22:07	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			09/08/11 22:07	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			09/08/11 22:07	1
1,1-Dichloroethane	**24**		1.0	0.52	ug/L			09/08/11 22:07	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			09/08/11 22:07	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			09/08/11 22:07	1
1,1-Dichloroethene	**53**		1.0	0.45	ug/L			09/08/11 22:07	1
cis-1,2-Dichloroethene	**39**		1.0	0.65	ug/L			09/08/11 22:07	1
trans-1,2-Dichloroethene	**1.5**		1.0	0.44	ug/L			09/08/11 22:07	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			09/08/11 22:07	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			09/08/11 22:07	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			09/08/11 22:07	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			09/08/11 22:07	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			09/08/11 22:07	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			09/08/11 22:07	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			09/08/11 22:07	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			09/08/11 22:07	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			09/08/11 22:07	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			09/08/11 22:07	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			09/08/11 22:07	1
Naphthalene	2.5	U	5.0	2.5	ug/L			09/08/11 22:07	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			09/08/11 22:07	1
Styrene	0.98	U	2.0	0.98	ug/L			09/08/11 22:07	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			09/08/11 22:07	1
Tetrachloroethene	**3.9**		1.0	0.50	ug/L			09/08/11 22:07	1
Toluene	1.0	U	1.0	1.0	ug/L			09/08/11 22:07	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			09/08/11 22:07	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			09/08/11 22:07	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			09/08/11 22:07	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			09/08/11 22:07	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			09/08/11 22:07	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			09/08/11 22:07	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			09/08/11 22:07	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			09/08/11 22:07	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			09/08/11 22:07	1
o-Xylene	0.50	U	1.0	0.50	ug/L			09/08/11 22:07	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			09/08/11 22:07	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			09/08/11 22:07	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			09/08/11 22:07	1
2-Hexanone	4.4	U	10	4.4	ug/L			09/08/11 22:07	1

Client Sample ID: EW-104

Lab Sample ID: 660-43239-4

Date Collected: 08/30/11 08:35
Date Received: 08/30/11 12:45

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			09/08/11 22:07	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			09/08/11 22:07	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*70 - 130*		*09/08/11 22:07*	*1*
4-Bromofluorobenzene	*105*		*70 - 130*		*09/08/11 22:07*	*1*
Dibromofluoromethane	*108*		*70 - 130*		*09/08/11 22:07*	*1*

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	**430**		10	5.0	ug/L			09/08/11 20:44	10

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*103*		*70 - 130*		*09/08/11 20:44*	*10*
4-Bromofluorobenzene	*105*		*70 - 130*		*09/08/11 20:44*	*10*
Dibromofluoromethane	*101*		*70 - 130*		*09/08/11 20:44*	*10*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**38**		2.0	1.0	ug/L			09/07/11 19:49	1

Method: 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.050	U	0.20	0.050	mg/L		09/01/11 09:42	09/02/11 10:31	1
Arsenic	0.0040	U	0.010	0.0040	mg/L		09/01/11 09:42	09/02/11 10:31	1
Beryllium	0.00050	U	0.0020	0.00050	mg/L		09/01/11 09:42	09/02/11 10:31	1
Cadmium	0.0010	U	0.0040	0.0010	mg/L		09/01/11 09:42	09/02/11 10:31	1
Chromium	0.0020	U	0.010	0.0020	mg/L		09/01/11 09:42	09/02/11 10:31	1
Copper	0.0029	U	0.010	0.0029	mg/L		09/01/11 09:42	09/02/11 10:31	1
Iron	**14**		0.20	0.050	mg/L		09/01/11 09:42	09/02/11 10:31	1
Nickel	0.0020	U	0.0080	0.0020	mg/L		09/01/11 09:42	09/02/11 10:31	1
Lead	0.0020	U	0.010	0.0020	mg/L		09/01/11 09:42	09/02/11 10:31	1
Zinc	0.0050	U	0.020	0.0050	mg/L		09/01/11 09:42	09/02/11 10:31	1

Client Sample ID: EW-105

Lab Sample ID: 660-43239-5

Date Collected: 08/30/11 08:40
Date Received: 08/30/11 12:45

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			09/08/11 22:28	1
Benzene	0.50	U	1.0	0.50	ug/L			09/08/11 22:28	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			09/08/11 22:28	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			09/08/11 22:28	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			09/08/11 22:28	1
Bromoform	0.58	U	1.0	0.58	ug/L			09/08/11 22:28	1
Bromomethane	2.5	U	5.0	2.5	ug/L			09/08/11 22:28	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			09/08/11 22:28	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			09/08/11 22:28	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			09/08/11 22:28	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			09/08/11 22:28	1

Client Sample ID: EW-105
Date Collected: 08/30/11 08:40
Date Received: 08/30/11 12:45

Lab Sample ID: 660-43239-5
Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	0.63	U	1.0	0.63	ug/L			09/08/11 22:28	1
Chloroethane	2.5	U	5.0	2.5	ug/L			09/08/11 22:28	1
Chloroform	0.90	U	1.0	0.90	ug/L			09/08/11 22:28	1
Chloromethane	1.0	U	4.0	1.0	ug/L			09/08/11 22:28	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			09/08/11 22:28	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			09/08/11 22:28	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			09/08/11 22:28	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			09/08/11 22:28	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			09/08/11 22:28	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			09/08/11 22:28	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			09/08/11 22:28	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			09/08/11 22:28	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			09/08/11 22:28	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			09/08/11 22:28	1
1,1-Dichloroethane	**12**		1.0	0.52	ug/L			09/08/11 22:28	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			09/08/11 22:28	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			09/08/11 22:28	1
1,1-Dichloroethene	**8.0**		1.0	0.45	ug/L			09/08/11 22:28	1
cis-1,2-Dichloroethene	**12**		1.0	0.65	ug/L			09/08/11 22:28	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			09/08/11 22:28	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			09/08/11 22:28	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			09/08/11 22:28	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			09/08/11 22:28	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			09/08/11 22:28	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			09/08/11 22:28	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			09/08/11 22:28	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			09/08/11 22:28	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			09/08/11 22:28	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			09/08/11 22:28	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			09/08/11 22:28	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			09/08/11 22:28	1
Naphthalene	2.5	U	5.0	2.5	ug/L			09/08/11 22:28	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			09/08/11 22:28	1
Styrene	0.98	U	2.0	0.98	ug/L			09/08/11 22:28	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			09/08/11 22:28	1
Tetrachloroethene	**29**		1.0	0.50	ug/L			09/08/11 22:28	1
Toluene	1.0	U	1.0	1.0	ug/L			09/08/11 22:28	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			09/08/11 22:28	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			09/08/11 22:28	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			09/08/11 22:28	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			09/08/11 22:28	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			09/08/11 22:28	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			09/08/11 22:28	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			09/08/11 22:28	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			09/08/11 22:28	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			09/08/11 22:28	1
o-Xylene	0.50	U	1.0	0.50	ug/L			09/08/11 22:28	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			09/08/11 22:28	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			09/08/11 22:28	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			09/08/11 22:28	1

Client Sample ID: EW-105

Lab Sample ID: 660-43239-5

Date Collected: 08/30/11 08:40
Date Received: 08/30/11 12:45

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	4.4	U	10	4.4	ug/L			09/08/11 22:28	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			09/08/11 22:28	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			09/08/11 22:28	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*108*		*70 - 130*		*09/08/11 22:28*	*1*
4-Bromofluorobenzene	*104*		*70 - 130*		*09/08/11 22:28*	*1*
Dibromofluoromethane	*102*		*70 - 130*		*09/08/11 22:28*	*1*

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	**240**		10	5.0	ug/L			09/08/11 21:05	10

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*107*		*70 - 130*		*09/08/11 21:05*	*10*
4-Bromofluorobenzene	*103*		*70 - 130*		*09/08/11 21:05*	*10*
Dibromofluoromethane	*97*		*70 - 130*		*09/08/11 21:05*	*10*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**21**		2.0	1.0	ug/L			09/07/11 20:07	1

Method: 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.13**	**I**	0.20	0.050	mg/L		09/01/11 09:42	09/02/11 10:34	1
Arsenic	**0.0059**	**I**	0.010	0.0040	mg/L		09/01/11 09:42	09/02/11 10:34	1
Beryllium	0.00050	U	0.0020	0.00050	mg/L		09/01/11 09:42	09/02/11 10:34	1
Cadmium	0.0010	U	0.0040	0.0010	mg/L		09/01/11 09:42	09/02/11 10:34	1
Chromium	0.0020	U	0.010	0.0020	mg/L		09/01/11 09:42	09/02/11 10:34	1
Copper	0.0029	U	0.010	0.0029	mg/L		09/01/11 09:42	09/02/11 10:34	1
Iron	**8.8**		0.20	0.050	mg/L		09/01/11 09:42	09/02/11 10:34	1
Nickel	**0.020**		0.0080	0.0020	mg/L		09/01/11 09:42	09/02/11 10:34	1
Lead	0.0020	U	0.010	0.0020	mg/L		09/01/11 09:42	09/02/11 10:34	1
Zinc	0.0050	U	0.020	0.0050	mg/L		09/01/11 09:42	09/02/11 10:34	1

Client Sample ID: EW-106

Lab Sample ID: 660-43239-6

Date Collected: 08/30/11 08:45
Date Received: 08/30/11 12:45

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	99	U	200	99	ug/L			09/10/11 02:22	10
Benzene	5.0	U	10	5.0	ug/L			09/10/11 02:22	10
Bromobenzene	5.8	U	10	5.8	ug/L			09/10/11 02:22	10
Chlorobromomethane	5.8	U	10	5.8	ug/L			09/10/11 02:22	10
Dichlorobromomethane	3.5	U	10	3.5	ug/L			09/10/11 02:22	10
Bromoform	5.8	U	10	5.8	ug/L			09/10/11 02:22	10
Bromomethane	25	U	50	25	ug/L			09/10/11 02:22	10
n-Butylbenzene	6.7	U	10	6.7	ug/L			09/10/11 02:22	10
sec-Butylbenzene	6.3	U	10	6.3	ug/L			09/10/11 02:22	10
tert-Butylbenzene	8.4	U	10	8.4	ug/L			09/10/11 02:22	10

Client Sample ID: EW-106
Date Collected: 08/30/11 08:45
Date Received: 08/30/11 12:45

Lab Sample ID: 660-43239-6
Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	4.2	U	10	4.2	ug/L			09/10/11 02:22	10
Chlorobenzene	6.3	U	10	6.3	ug/L			09/10/11 02:22	10
Chloroethane	25	U	50	25	ug/L			09/10/11 02:22	10
Chloroform	9.0	U	10	9.0	ug/L			09/10/11 02:22	10
Chloromethane	10	U	40	10	ug/L			09/10/11 02:22	10
2-Chlorotoluene	6.5	U	10	6.5	ug/L			09/10/11 02:22	10
4-Chlorotoluene	5.2	U	10	5.2	ug/L			09/10/11 02:22	10
Chlorodibromomethane	3.4	U	10	3.4	ug/L			09/10/11 02:22	10
1,2-Dibromo-3-Chloropropane	25	U	50	25	ug/L			09/10/11 02:22	10
Ethylene Dibromide	5.0	U	10	5.0	ug/L			09/10/11 02:22	10
Dibromomethane	4.1	U	10	4.1	ug/L			09/10/11 02:22	10
1,2-Dichlorobenzene	4.4	U	10	4.4	ug/L			09/10/11 02:22	10
1,3-Dichlorobenzene	6.4	U	10	6.4	ug/L			09/10/11 02:22	10
1,4-Dichlorobenzene	5.2	U	10	5.2	ug/L			09/10/11 02:22	10
Dichlorodifluoromethane	25	U	50	25	ug/L			09/10/11 02:22	10
1,1-Dichloroethane	**19**		10	5.2	ug/L			09/10/11 02:22	10
1,2-Dichloroethane	5.7	U	10	5.7	ug/L			09/10/11 02:22	10
1,1,1,2-Tetrachloroethane	6.3	U	10	6.3	ug/L			09/10/11 02:22	10
1,1-Dichloroethene	**46**		10	4.5	ug/L			09/10/11 02:22	10
cis-1,2-Dichloroethene	**30**		10	6.5	ug/L			09/10/11 02:22	10
trans-1,2-Dichloroethene	4.4	U	10	4.4	ug/L			09/10/11 02:22	10
1,2-Dichloropropane	5.2	U	10	5.2	ug/L			09/10/11 02:22	10
1,3-Dichloropropane	3.9	U	10	3.9	ug/L			09/10/11 02:22	10
2,2-Dichloropropane	3.6	U	10	3.6	ug/L			09/10/11 02:22	10
1,1-Dichloropropene	3.1	U	10	3.1	ug/L			09/10/11 02:22	10
cis-1,3-Dichloropropene	1.4	U	10	1.4	ug/L			09/10/11 02:22	10
trans-1,3-Dichloropropene	1.4	U	10	1.4	ug/L			09/10/11 02:22	10
Ethylbenzene	4.4	U	10	4.4	ug/L			09/10/11 02:22	10
Hexachlorobutadiene	4.0	U	10	4.0	ug/L			09/10/11 02:22	10
Isopropylbenzene	1.9	U	10	1.9	ug/L			09/10/11 02:22	10
4-Isopropyltoluene	6.9	U	10	6.9	ug/L			09/10/11 02:22	10
Methylene Chloride	40	U	50	40	ug/L			09/10/11 02:22	10
Naphthalene	25	U	50	25	ug/L			09/10/11 02:22	10
N-Propylbenzene	5.9	U	10	5.9	ug/L			09/10/11 02:22	10
Styrene	9.8	U	20	9.8	ug/L			09/10/11 02:22	10
1,1,2,2-Tetrachloroethane	1.5	U	10	1.5	ug/L			09/10/11 02:22	10
Tetrachloroethene	**34**		10	5.0	ug/L			09/10/11 02:22	10
Toluene	10	U	10	10	ug/L			09/10/11 02:22	10
1,2,3-Trichlorobenzene	7.7	U	10	7.7	ug/L			09/10/11 02:22	10
1,2,4-Trichlorobenzene	5.8	U	10	5.8	ug/L			09/10/11 02:22	10
1,1,1-Trichloroethane	4.6	U	10	4.6	ug/L			09/10/11 02:22	10
1,1,2-Trichloroethane	4.7	U	10	4.7	ug/L			09/10/11 02:22	10
Trichlorofluoromethane	25	U	50	25	ug/L			09/10/11 02:22	10
1,2,3-Trichloropropane	1.8	U	10	1.8	ug/L			09/10/11 02:22	10
1,2,4-Trimethylbenzene	8.6	U	10	8.6	ug/L			09/10/11 02:22	10
1,3,5-Trimethylbenzene	5.4	U	10	5.4	ug/L			09/10/11 02:22	10
Vinyl chloride	5.0	U	10	5.0	ug/L			09/10/11 02:22	10
o-Xylene	5.0	U	10	5.0	ug/L			09/10/11 02:22	10
2-Butanone (MEK)	84	U	100	84	ug/L			09/10/11 02:22	10
4-Methyl-2-pentanone (MIBK)	38	U	100	38	ug/L			09/10/11 02:22	10

Client Sample ID: EW-106

Lab Sample ID: 660-43239-6

Date Collected: 08/30/11 08:45

Matrix: Water

Date Received: 08/30/11 12:45

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	10	U	20	10	ug/L			09/10/11 02:22	10
2-Hexanone	44	U	100	44	ug/L			09/10/11 02:22	10
Methyl tert-butyl ether	4.4	U	10	4.4	ug/L			09/10/11 02:22	10
m-Xylene & p-Xylene	6.0	U	20	6.0	ug/L			09/10/11 02:22	10

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*70 - 130*		*09/10/11 02:22*	*10*
4-Bromofluorobenzene	*98*		*70 - 130*		*09/10/11 02:22*	*10*
Dibromofluoromethane	*97*		*70 - 130*		*09/10/11 02:22*	*10*

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	**140**		10	5.0	ug/L			09/08/11 21:26	10

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*110*		*70 - 130*		*09/08/11 21:26*	*10*
4-Bromofluorobenzene	*104*		*70 - 130*		*09/08/11 21:26*	*10*
Dibromofluoromethane	*97*		*70 - 130*		*09/08/11 21:26*	*10*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**54**		10	5.0	ug/L			09/02/11 22:27	5

Method: 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.092**	**I**	0.20	0.050	mg/L		09/01/11 09:42	09/02/11 10:37	1
Arsenic	**0.022**		0.010	0.0040	mg/L		09/01/11 09:42	09/02/11 10:37	1
Beryllium	0.00050	U	0.0020	0.00050	mg/L		09/01/11 09:42	09/02/11 10:37	1
Cadmium	0.0010	U	0.0040	0.0010	mg/L		09/01/11 09:42	09/02/11 10:37	1
Chromium	0.0020	U	0.010	0.0020	mg/L		09/01/11 09:42	09/02/11 10:37	1
Copper	0.0029	U	0.010	0.0029	mg/L		09/01/11 09:42	09/02/11 10:37	1
Iron	**46**		0.20	0.050	mg/L		09/01/11 09:42	09/02/11 10:37	1
Nickel	**0.011**		0.0080	0.0020	mg/L		09/01/11 09:42	09/02/11 10:37	1
Lead	0.0020	U	0.010	0.0020	mg/L		09/01/11 09:42	09/02/11 10:37	1
Zinc	0.0050	U	0.020	0.0050	mg/L		09/01/11 09:42	09/02/11 10:37	1

Client Sample ID: EW-107

Lab Sample ID: 660-43239-7

Date Collected: 08/30/11 08:50

Matrix: Water

Date Received: 08/30/11 12:45

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			09/09/11 14:32	1
Benzene	0.50	U	1.0	0.50	ug/L			09/09/11 14:32	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			09/09/11 14:32	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			09/09/11 14:32	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			09/09/11 14:32	1
Bromoform	0.58	U	1.0	0.58	ug/L			09/09/11 14:32	1
Bromomethane	2.5	U	5.0	2.5	ug/L			09/09/11 14:32	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			09/09/11 14:32	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			09/09/11 14:32	1

Client Sample ID: EW-107
Date Collected: 08/30/11 08:50
Date Received: 08/30/11 12:45

Lab Sample ID: 660-43239-7
Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			09/09/11 14:32	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			09/09/11 14:32	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			09/09/11 14:32	1
Chloroethane	2.5	U	5.0	2.5	ug/L			09/09/11 14:32	1
Chloroform	0.90	U	1.0	0.90	ug/L			09/09/11 14:32	1
Chloromethane	1.0	U	4.0	1.0	ug/L			09/09/11 14:32	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			09/09/11 14:32	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			09/09/11 14:32	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			09/09/11 14:32	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			09/09/11 14:32	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			09/09/11 14:32	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			09/09/11 14:32	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			09/09/11 14:32	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			09/09/11 14:32	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			09/09/11 14:32	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			09/09/11 14:32	1
1,1-Dichloroethane	**1.4**		1.0	0.52	ug/L			09/09/11 14:32	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			09/09/11 14:32	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			09/09/11 14:32	1
1,1-Dichloroethene	**2.0**		1.0	0.45	ug/L			09/09/11 14:32	1
cis-1,2-Dichloroethene	**2.0**		1.0	0.65	ug/L			09/09/11 14:32	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			09/09/11 14:32	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			09/09/11 14:32	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			09/09/11 14:32	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			09/09/11 14:32	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			09/09/11 14:32	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			09/09/11 14:32	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			09/09/11 14:32	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			09/09/11 14:32	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			09/09/11 14:32	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			09/09/11 14:32	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			09/09/11 14:32	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			09/09/11 14:32	1
Naphthalene	2.5	U	5.0	2.5	ug/L			09/09/11 14:32	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			09/09/11 14:32	1
Styrene	0.98	U	2.0	0.98	ug/L			09/09/11 14:32	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			09/09/11 14:32	1
Tetrachloroethene	**18**		1.0	0.50	ug/L			09/09/11 14:32	1
Toluene	1.0	U	1.0	1.0	ug/L			09/09/11 14:32	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			09/09/11 14:32	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			09/09/11 14:32	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			09/09/11 14:32	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			09/09/11 14:32	1
Trichloroethene	**72**		1.0	0.50	ug/L			09/09/11 14:32	1
Trichlorofluoromethane	2.5	U J3	5.0	2.5	ug/L			09/09/11 14:32	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			09/09/11 14:32	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			09/09/11 14:32	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			09/09/11 14:32	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			09/09/11 14:32	1
o-Xylene	0.50	U	1.0	0.50	ug/L			09/09/11 14:32	1

Client Sample ID: EW-107

Lab Sample ID: 660-43239-7

Date Collected: 08/30/11 08:50

Matrix: Water

Date Received: 08/30/11 12:45

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			09/09/11 14:32	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			09/09/11 14:32	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			09/09/11 14:32	1
2-Hexanone	4.4	U	10	4.4	ug/L			09/09/11 14:32	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			09/09/11 14:32	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			09/09/11 14:32	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*103*		*70 - 130*		*09/09/11 14:32*	*1*
4-Bromofluorobenzene	*97*		*70 - 130*		*09/09/11 14:32*	*1*
Dibromofluoromethane	*97*		*70 - 130*		*09/09/11 14:32*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**3.5**		2.0	1.0	ug/L			09/02/11 21:13	1

Method: 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.41**		0.20	0.050	mg/L		09/01/11 09:42	09/02/11 10:41	1
Arsenic	**0.0096**	**I**	0.010	0.0040	mg/L		09/01/11 09:42	09/02/11 10:41	1
Beryllium	0.00050	U	0.0020	0.00050	mg/L		09/01/11 09:42	09/02/11 10:41	1
Cadmium	0.0010	U	0.0040	0.0010	mg/L		09/01/11 09:42	09/02/11 10:41	1
Chromium	0.0020	U	0.010	0.0020	mg/L		09/01/11 09:42	09/02/11 10:41	1
Copper	0.0029	U	0.010	0.0029	mg/L		09/01/11 09:42	09/02/11 10:41	1
Iron	**56**		0.20	0.050	mg/L		09/01/11 09:42	09/02/11 10:41	1
Nickel	0.0020	U	0.0080	0.0020	mg/L		09/01/11 09:42	09/02/11 10:41	1
Lead	**0.0028**	**I**	0.010	0.0020	mg/L		09/01/11 09:42	09/02/11 10:41	1
Zinc	0.0050	U	0.020	0.0050	mg/L		09/01/11 09:42	09/02/11 10:41	1

Client Sample ID: EW-108

Lab Sample ID: 660-43239-8

Date Collected: 08/30/11 08:55

Matrix: Water

Date Received: 08/30/11 12:45

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			09/12/11 17:12	1
Benzene	0.50	U	1.0	0.50	ug/L			09/12/11 17:12	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			09/12/11 17:12	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			09/12/11 17:12	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			09/12/11 17:12	1
Bromoform	0.58	U	1.0	0.58	ug/L			09/12/11 17:12	1
Bromomethane	2.5	U	5.0	2.5	ug/L			09/12/11 17:12	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			09/12/11 17:12	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			09/12/11 17:12	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			09/12/11 17:12	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			09/12/11 17:12	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			09/12/11 17:12	1
Chloroethane	2.5	U	5.0	2.5	ug/L			09/12/11 17:12	1
Chloroform	0.90	U	1.0	0.90	ug/L			09/12/11 17:12	1
Chloromethane	1.0	U	4.0	1.0	ug/L			09/12/11 17:12	1

Client Sample ID: EW-108
Date Collected: 08/30/11 08:55
Date Received: 08/30/11 12:45

Lab Sample ID: 660-43239-8
Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			09/12/11 17:12	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			09/12/11 17:12	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			09/12/11 17:12	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			09/12/11 17:12	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			09/12/11 17:12	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			09/12/11 17:12	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			09/12/11 17:12	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			09/12/11 17:12	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			09/12/11 17:12	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			09/12/11 17:12	1
1,1-Dichloroethane	**85**		1.0	0.52	ug/L			09/12/11 17:12	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			09/12/11 17:12	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			09/12/11 17:12	1
1,1-Dichloroethene	**19**		1.0	0.45	ug/L			09/12/11 17:12	1
cis-1,2-Dichloroethene	**22**		1.0	0.65	ug/L			09/12/11 17:12	1
trans-1,2-Dichloroethene	**0.47**	**I**	1.0	0.44	ug/L			09/12/11 17:12	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			09/12/11 17:12	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			09/12/11 17:12	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			09/12/11 17:12	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			09/12/11 17:12	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			09/12/11 17:12	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			09/12/11 17:12	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			09/12/11 17:12	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			09/12/11 17:12	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			09/12/11 17:12	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			09/12/11 17:12	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			09/12/11 17:12	1
Naphthalene	2.5	U	5.0	2.5	ug/L			09/12/11 17:12	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			09/12/11 17:12	1
Styrene	0.98	U	2.0	0.98	ug/L			09/12/11 17:12	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			09/12/11 17:12	1
Tetrachloroethene	**49**		1.0	0.50	ug/L			09/12/11 17:12	1
Toluene	1.0	U	1.0	1.0	ug/L			09/12/11 17:12	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			09/12/11 17:12	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			09/12/11 17:12	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			09/12/11 17:12	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			09/12/11 17:12	1
Trichloroethene	**150**		10	5.0	ug/L			09/12/11 16:54	10
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			09/12/11 17:12	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			09/12/11 17:12	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			09/12/11 17:12	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			09/12/11 17:12	1
Vinyl chloride	**3.1**		1.0	0.50	ug/L			09/12/11 17:12	1
o-Xylene	0.50	U	1.0	0.50	ug/L			09/12/11 17:12	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			09/12/11 17:12	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			09/12/11 17:12	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			09/12/11 17:12	1
2-Hexanone	4.4	U	10	4.4	ug/L			09/12/11 17:12	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			09/12/11 17:12	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			09/12/11 17:12	1

Client Sample ID: EW-108

Lab Sample ID: 660-43239-8

Date Collected: 08/30/11 08:55

Matrix: Water

Date Received: 08/30/11 12:45

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*70 - 130*		*09/12/11 16:54*	*10*
Toluene-d8 (Surr)	*100*		*70 - 130*		*09/12/11 17:12*	*1*
4-Bromofluorobenzene	*99*		*70 - 130*		*09/12/11 16:54*	*10*
4-Bromofluorobenzene	*99*		*70 - 130*		*09/12/11 17:12*	*1*
Dibromofluoromethane	*101*		*70 - 130*		*09/12/11 16:54*	*10*
Dibromofluoromethane	*101*		*70 - 130*		*09/12/11 17:12*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**330**		20	10	ug/L			09/02/11 23:58	10

Method: 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.050	U	0.20	0.050	mg/L		09/01/11 09:42	09/02/11 10:44	1
Arsenic	0.0040	U	0.010	0.0040	mg/L		09/01/11 09:42	09/02/11 10:44	1
Beryllium	0.00050	U	0.0020	0.00050	mg/L		09/01/11 09:42	09/02/11 10:44	1
Cadmium	0.0010	U	0.0040	0.0010	mg/L		09/01/11 09:42	09/02/11 10:44	1
Chromium	0.0020	U	0.010	0.0020	mg/L		09/01/11 09:42	09/02/11 10:44	1
Copper	0.0029	U	0.010	0.0029	mg/L		09/01/11 09:42	09/02/11 10:44	1
Iron	**4.3**		0.20	0.050	mg/L		09/01/11 09:42	09/02/11 10:44	1
Nickel	0.0020	U	0.0080	0.0020	mg/L		09/01/11 09:42	09/02/11 10:44	1
Lead	0.0020	U	0.010	0.0020	mg/L		09/01/11 09:42	09/02/11 10:44	1
Zinc	0.0050	U	0.020	0.0050	mg/L		09/01/11 09:42	09/02/11 10:44	1

Client Sample ID: EW-109

Lab Sample ID: 660-43239-9

Date Collected: 08/30/11 09:00

Matrix: Water

Date Received: 08/30/11 12:45

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			09/09/11 14:51	1
Benzene	0.50	U	1.0	0.50	ug/L			09/09/11 14:51	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			09/09/11 14:51	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			09/09/11 14:51	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			09/09/11 14:51	1
Bromoform	0.58	U	1.0	0.58	ug/L			09/09/11 14:51	1
Bromomethane	2.5	U	5.0	2.5	ug/L			09/09/11 14:51	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			09/09/11 14:51	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			09/09/11 14:51	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			09/09/11 14:51	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			09/09/11 14:51	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			09/09/11 14:51	1
Chloroethane	2.5	U	5.0	2.5	ug/L			09/09/11 14:51	1
Chloroform	0.90	U	1.0	0.90	ug/L			09/09/11 14:51	1
Chloromethane	1.0	U	4.0	1.0	ug/L			09/09/11 14:51	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			09/09/11 14:51	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			09/09/11 14:51	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			09/09/11 14:51	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			09/09/11 14:51	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			09/09/11 14:51	1

Client Sample ID: EW-109
Date Collected: 08/30/11 09:00
Date Received: 08/30/11 12:45

Lab Sample ID: 660-43239-9
Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromomethane	0.41	U	1.0	0.41	ug/L			09/09/11 14:51	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			09/09/11 14:51	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			09/09/11 14:51	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			09/09/11 14:51	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			09/09/11 14:51	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			09/09/11 14:51	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			09/09/11 14:51	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			09/09/11 14:51	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			09/09/11 14:51	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			09/09/11 14:51	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			09/09/11 14:51	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			09/09/11 14:51	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			09/09/11 14:51	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			09/09/11 14:51	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			09/09/11 14:51	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			09/09/11 14:51	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			09/09/11 14:51	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			09/09/11 14:51	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			09/09/11 14:51	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			09/09/11 14:51	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			09/09/11 14:51	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			09/09/11 14:51	1
Naphthalene	2.5	U	5.0	2.5	ug/L			09/09/11 14:51	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			09/09/11 14:51	1
Styrene	0.98	U	2.0	0.98	ug/L			09/09/11 14:51	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			09/09/11 14:51	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			09/09/11 14:51	1
Toluene	1.0	U	1.0	1.0	ug/L			09/09/11 14:51	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			09/09/11 14:51	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			09/09/11 14:51	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			09/09/11 14:51	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			09/09/11 14:51	1
Trichloroethene	**0.61**	**I**	1.0	0.50	ug/L			09/09/11 14:51	1
Trichlorofluoromethane	2.5	U J3	5.0	2.5	ug/L			09/09/11 14:51	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			09/09/11 14:51	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			09/09/11 14:51	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			09/09/11 14:51	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			09/09/11 14:51	1
o-Xylene	0.50	U	1.0	0.50	ug/L			09/09/11 14:51	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			09/09/11 14:51	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			09/09/11 14:51	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			09/09/11 14:51	1
2-Hexanone	4.4	U	10	4.4	ug/L			09/09/11 14:51	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			09/09/11 14:51	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			09/09/11 14:51	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*70 - 130*		*09/09/11 14:51*	*1*
4-Bromofluorobenzene	*97*		*70 - 130*		*09/09/11 14:51*	*1*
Dibromofluoromethane	*99*		*70 - 130*		*09/09/11 14:51*	*1*

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Quarterly

TestAmerica Job ID: 660-43239-1

Client Sample ID: EW-109

Lab Sample ID: 660-43239-9

Date Collected: 08/30/11 09:00
Date Received: 08/30/11 12:45

Matrix: Water

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			09/02/11 20:55	1

Method: 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**1.2**		0.20	0.050	mg/L		09/01/11 09:42	09/02/11 10:54	1
Arsenic	**0.020**		0.010	0.0040	mg/L		09/01/11 09:42	09/02/11 10:54	1
Beryllium	0.00050	U	0.0020	0.00050	mg/L		09/01/11 09:42	09/02/11 10:54	1
Cadmium	0.0010	U	0.0040	0.0010	mg/L		09/01/11 09:42	09/02/11 10:54	1
Chromium	**0.0027**	**I**	0.010	0.0020	mg/L		09/01/11 09:42	09/02/11 10:54	1
Copper	0.0029	U	0.010	0.0029	mg/L		09/01/11 09:42	09/02/11 10:54	1
Iron	**66**		0.20	0.050	mg/L		09/01/11 09:42	09/02/11 10:54	1
Nickel	0.0020	U	0.0080	0.0020	mg/L		09/01/11 09:42	09/02/11 10:54	1
Lead	**0.0026**	**I**	0.010	0.0020	mg/L		09/01/11 09:42	09/02/11 10:54	1
Zinc	0.0050	U	0.020	0.0050	mg/L		09/01/11 09:42	09/02/11 10:54	1

Client Sample ID: EW-110

Lab Sample ID: 660-43239-10

Date Collected: 08/30/11 09:05
Date Received: 08/30/11 12:45

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			09/09/11 15:09	1
Benzene	0.50	U	1.0	0.50	ug/L			09/09/11 15:09	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			09/09/11 15:09	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			09/09/11 15:09	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			09/09/11 15:09	1
Bromoform	0.58	U	1.0	0.58	ug/L			09/09/11 15:09	1
Bromomethane	2.5	U	5.0	2.5	ug/L			09/09/11 15:09	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			09/09/11 15:09	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			09/09/11 15:09	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			09/09/11 15:09	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			09/09/11 15:09	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			09/09/11 15:09	1
Chloroethane	2.5	U	5.0	2.5	ug/L			09/09/11 15:09	1
Chloroform	0.90	U	1.0	0.90	ug/L			09/09/11 15:09	1
Chloromethane	1.0	U	4.0	1.0	ug/L			09/09/11 15:09	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			09/09/11 15:09	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			09/09/11 15:09	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			09/09/11 15:09	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			09/09/11 15:09	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			09/09/11 15:09	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			09/09/11 15:09	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			09/09/11 15:09	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			09/09/11 15:09	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			09/09/11 15:09	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			09/09/11 15:09	1
1,1-Dichloroethane	**15**		1.0	0.52	ug/L			09/09/11 15:09	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			09/09/11 15:09	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			09/09/11 15:09	1
1,1-Dichloroethene	**56**		1.0	0.45	ug/L			09/09/11 15:09	1

Client Sample ID: EW-110
Date Collected: 08/30/11 09:05
Date Received: 08/30/11 12:45

Lab Sample ID: 660-43239-10
Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	**2.7**		1.0	0.65	ug/L			09/09/11 15:09	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			09/09/11 15:09	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			09/09/11 15:09	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			09/09/11 15:09	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			09/09/11 15:09	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			09/09/11 15:09	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			09/09/11 15:09	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			09/09/11 15:09	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			09/09/11 15:09	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			09/09/11 15:09	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			09/09/11 15:09	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			09/09/11 15:09	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			09/09/11 15:09	1
Naphthalene	2.5	U	5.0	2.5	ug/L			09/09/11 15:09	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			09/09/11 15:09	1
Styrene	0.98	U	2.0	0.98	ug/L			09/09/11 15:09	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			09/09/11 15:09	1
Tetrachloroethene	**6.3**		1.0	0.50	ug/L			09/09/11 15:09	1
Toluene	1.0	U	1.0	1.0	ug/L			09/09/11 15:09	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			09/09/11 15:09	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			09/09/11 15:09	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			09/09/11 15:09	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			09/09/11 15:09	1
Trichloroethene	**19**		1.0	0.50	ug/L			09/09/11 15:09	1
Trichlorofluoromethane	2.5	U J3	5.0	2.5	ug/L			09/09/11 15:09	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			09/09/11 15:09	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			09/09/11 15:09	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			09/09/11 15:09	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			09/09/11 15:09	1
o-Xylene	0.50	U	1.0	0.50	ug/L			09/09/11 15:09	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			09/09/11 15:09	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			09/09/11 15:09	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			09/09/11 15:09	1
2-Hexanone	4.4	U	10	4.4	ug/L			09/09/11 15:09	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			09/09/11 15:09	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			09/09/11 15:09	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*103*		*70 - 130*		*09/09/11 15:09*	*1*
4-Bromofluorobenzene	*98*		*70 - 130*		*09/09/11 15:09*	*1*
Dibromofluoromethane	*93*		*70 - 130*		*09/09/11 15:09*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**11**		2.0	1.0	ug/L			09/02/11 21:30	1

Method: 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.30**		0.20	0.050	mg/L		09/01/11 09:42	09/02/11 10:57	1
Arsenic	**0.014**		0.010	0.0040	mg/L		09/01/11 09:42	09/02/11 10:57	1
Beryllium	0.00050	U	0.0020	0.00050	mg/L		09/01/11 09:42	09/02/11 10:57	1

Client Sample ID: EW-110

Lab Sample ID: 660-43239-10

Date Collected: 08/30/11 09:05

Matrix: Water

Date Received: 08/30/11 12:45

Method: 6010B - Metals (ICP) - Total Recoverable (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0010	U	0.0040	0.0010	mg/L		09/01/11 09:42	09/02/11 10:57	1
Chromium	0.0020	U	0.010	0.0020	mg/L		09/01/11 09:42	09/02/11 10:57	1
Copper	0.0029	U	0.010	0.0029	mg/L		09/01/11 09:42	09/02/11 10:57	1
Iron	**64**		0.20	0.050	mg/L		09/01/11 09:42	09/02/11 10:57	1
Nickel	0.0020	U	0.0080	0.0020	mg/L		09/01/11 09:42	09/02/11 10:57	1
Lead	**0.0046**	**I**	0.010	0.0020	mg/L		09/01/11 09:42	09/02/11 10:57	1
Zinc	0.0050	U	0.020	0.0050	mg/L		09/01/11 09:42	09/02/11 10:57	1

Client Sample ID: IWI-2

Lab Sample ID: 660-43239-11

Date Collected: 08/30/11 10:32

Matrix: Water

Date Received: 08/30/11 12:45

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			09/09/11 15:28	1
Benzene	0.50	U	1.0	0.50	ug/L			09/09/11 15:28	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			09/09/11 15:28	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			09/09/11 15:28	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			09/09/11 15:28	1
Bromoform	0.58	U	1.0	0.58	ug/L			09/09/11 15:28	1
Bromomethane	2.5	U	5.0	2.5	ug/L			09/09/11 15:28	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			09/09/11 15:28	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			09/09/11 15:28	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			09/09/11 15:28	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			09/09/11 15:28	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			09/09/11 15:28	1
Chloroethane	2.5	U	5.0	2.5	ug/L			09/09/11 15:28	1
Chloroform	0.90	U	1.0	0.90	ug/L			09/09/11 15:28	1
Chloromethane	1.0	U	4.0	1.0	ug/L			09/09/11 15:28	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			09/09/11 15:28	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			09/09/11 15:28	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			09/09/11 15:28	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			09/09/11 15:28	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			09/09/11 15:28	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			09/09/11 15:28	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			09/09/11 15:28	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			09/09/11 15:28	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			09/09/11 15:28	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			09/09/11 15:28	1
1,1-Dichloroethane	**5.4**		1.0	0.52	ug/L			09/09/11 15:28	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			09/09/11 15:28	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			09/09/11 15:28	1
1,1-Dichloroethene	**13**		1.0	0.45	ug/L			09/09/11 15:28	1
cis-1,2-Dichloroethene	**38**		1.0	0.65	ug/L			09/09/11 15:28	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			09/09/11 15:28	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			09/09/11 15:28	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			09/09/11 15:28	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			09/09/11 15:28	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			09/09/11 15:28	1

Client Sample ID: IWI-2

Lab Sample ID: 660-43239-11

Date Collected: 08/30/11 10:32
Matrix: Water
Date Received: 08/30/11 12:45

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			09/09/11 15:28	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			09/09/11 15:28	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			09/09/11 15:28	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			09/09/11 15:28	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			09/09/11 15:28	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			09/09/11 15:28	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			09/09/11 15:28	1
Naphthalene	2.5	U	5.0	2.5	ug/L			09/09/11 15:28	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			09/09/11 15:28	1
Styrene	0.98	U	2.0	0.98	ug/L			09/09/11 15:28	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			09/09/11 15:28	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			09/09/11 15:28	1
Toluene	1.0	U	1.0	1.0	ug/L			09/09/11 15:28	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			09/09/11 15:28	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			09/09/11 15:28	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			09/09/11 15:28	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			09/09/11 15:28	1
Trichloroethene	**23**		1.0	0.50	ug/L			09/09/11 15:28	1
Trichlorofluoromethane	2.5	U J3	5.0	2.5	ug/L			09/09/11 15:28	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			09/09/11 15:28	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			09/09/11 15:28	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			09/09/11 15:28	1
Vinyl chloride	**17**		1.0	0.50	ug/L			09/09/11 15:28	1
o-Xylene	0.50	U	1.0	0.50	ug/L			09/09/11 15:28	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			09/09/11 15:28	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			09/09/11 15:28	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			09/09/11 15:28	1
2-Hexanone	4.4	U	10	4.4	ug/L			09/09/11 15:28	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			09/09/11 15:28	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			09/09/11 15:28	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*103*		*70 - 130*		*09/09/11 15:28*	*1*
4-Bromofluorobenzene	*96*		*70 - 130*		*09/09/11 15:28*	*1*
Dibromofluoromethane	*100*		*70 - 130*		*09/09/11 15:28*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**70**		10	5.0	ug/L			09/02/11 23:02	5

Client Sample ID: MW-85

Lab Sample ID: 660-43239-12

Date Collected: 08/30/11 16:13
Matrix: Water
Date Received: 08/30/11 12:45

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			09/09/11 15:46	1
Benzene	0.50	U	1.0	0.50	ug/L			09/09/11 15:46	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			09/09/11 15:46	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			09/09/11 15:46	1

Client Sample ID: MW-85
Date Collected: 08/30/11 16:13
Date Received: 08/30/11 12:45

Lab Sample ID: 660-43239-12
Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			09/09/11 15:46	1
Bromoform	0.58	U	1.0	0.58	ug/L			09/09/11 15:46	1
Bromomethane	2.5	U	5.0	2.5	ug/L			09/09/11 15:46	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			09/09/11 15:46	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			09/09/11 15:46	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			09/09/11 15:46	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			09/09/11 15:46	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			09/09/11 15:46	1
Chloroethane	2.5	U	5.0	2.5	ug/L			09/09/11 15:46	1
Chloroform	0.90	U	1.0	0.90	ug/L			09/09/11 15:46	1
Chloromethane	1.0	U	4.0	1.0	ug/L			09/09/11 15:46	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			09/09/11 15:46	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			09/09/11 15:46	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			09/09/11 15:46	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			09/09/11 15:46	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			09/09/11 15:46	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			09/09/11 15:46	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			09/09/11 15:46	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			09/09/11 15:46	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			09/09/11 15:46	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			09/09/11 15:46	1
1,1-Dichloroethane	**65**		1.0	0.52	ug/L			09/09/11 15:46	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			09/09/11 15:46	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			09/09/11 15:46	1
1,1-Dichloroethene	**28**		1.0	0.45	ug/L			09/09/11 15:46	1
cis-1,2-Dichloroethene	**21**		1.0	0.65	ug/L			09/09/11 15:46	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			09/09/11 15:46	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			09/09/11 15:46	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			09/09/11 15:46	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			09/09/11 15:46	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			09/09/11 15:46	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			09/09/11 15:46	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			09/09/11 15:46	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			09/09/11 15:46	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			09/09/11 15:46	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			09/09/11 15:46	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			09/09/11 15:46	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			09/09/11 15:46	1
Naphthalene	2.5	U	5.0	2.5	ug/L			09/09/11 15:46	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			09/09/11 15:46	1
Styrene	0.98	U	2.0	0.98	ug/L			09/09/11 15:46	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			09/09/11 15:46	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			09/09/11 15:46	1
Toluene	1.0	U	1.0	1.0	ug/L			09/09/11 15:46	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			09/09/11 15:46	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			09/09/11 15:46	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			09/09/11 15:46	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			09/09/11 15:46	1
Trichloroethene	**1.5**		1.0	0.50	ug/L			09/09/11 15:46	1
Trichlorofluoromethane	2.5	U J3	5.0	2.5	ug/L			09/09/11 15:46	1

Client Sample ID: MW-85

Date Collected: 08/30/11 16:13
Date Received: 08/30/11 12:45

Lab Sample ID: 660-43239-12

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			09/09/11 15:46	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			09/09/11 15:46	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			09/09/11 15:46	1
Vinyl chloride	**1.2**		1.0	0.50	ug/L			09/09/11 15:46	1
o-Xylene	0.50	U	1.0	0.50	ug/L			09/09/11 15:46	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			09/09/11 15:46	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			09/09/11 15:46	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			09/09/11 15:46	1
2-Hexanone	4.4	U	10	4.4	ug/L			09/09/11 15:46	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			09/09/11 15:46	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			09/09/11 15:46	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*103*		*70 - 130*		*09/09/11 15:46*	*1*
4-Bromofluorobenzene	*97*		*70 - 130*		*09/09/11 15:46*	*1*
Dibromofluoromethane	*100*		*70 - 130*		*09/09/11 15:46*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**200**		10	5.0	ug/L			09/02/11 23:36	5

Surrogate Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Quarterly

TestAmerica Job ID: 660-43239-1

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)
660-43225-B-5 MS	Matrix Spike	100	100	103
660-43225-B-5 MSD	Matrix Spike Duplicate	100	98	99
660-43239-1 - DL	EW-101	102	106	102
660-43239-1	EW-101	104	105	106
660-43239-2	EW-102	101	103	104
660-43239-3	EW-103	106	103	99
660-43239-4 - DL	EW-104	103	105	101
660-43239-4	EW-104	101	105	108
660-43239-5 - DL	EW-105	107	103	97
660-43239-5	EW-105	108	104	102
660-43239-6 - DL	EW-106	110	104	97
660-43239-6	EW-106	98	98	97
660-43239-7	EW-107	103	97	97
660-43239-8	EW-108	100	99	101
660-43239-8	EW-108	100	99	101
660-43239-9	EW-109	102	97	99
660-43239-10	EW-110	103	98	93
660-43239-11	IWI-2	103	96	100
660-43239-12	MW-85	103	97	100
660-43265-F-6 DU	Duplicate	104	96	95
660-43265-H-7 MS	Matrix Spike	105	101	100
660-43334-C-2 MS	Matrix Spike	103	100	101
660-43334-D-1 DU	Duplicate	104	101	99
660-43364-D-1 DU	Duplicate	99	99	97
660-43364-D-2 MS	Matrix Spike	94	100	96
LCS 660-114790/4	Lab Control Sample	103	98	98
LCS 660-114816/3	Lab Control Sample	102	103	98
LCS 660-114876/3	Lab Control Sample	97	97	96
LCS 660-114881/11	Lab Control Sample	100	101	101
MB 660-114790/6	Method Blank	105	97	104
MB 660-114816/5	Method Blank	106	102	98
MB 660-114876/5	Method Blank	98	98	94
MB 660-114881/12	Method Blank	99	100	100

Surrogate Legend

TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane

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

Lab Sample ID: MB 660-114790/6
Matrix: Water
Analysis Batch: 114790

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			09/09/11 10:36	1
Benzene	0.50	U	1.0	0.50	ug/L			09/09/11 10:36	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			09/09/11 10:36	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			09/09/11 10:36	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			09/09/11 10:36	1
Bromoform	0.58	U	1.0	0.58	ug/L			09/09/11 10:36	1
Bromomethane	2.5	U	5.0	2.5	ug/L			09/09/11 10:36	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			09/09/11 10:36	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			09/09/11 10:36	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			09/09/11 10:36	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			09/09/11 10:36	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			09/09/11 10:36	1
Chloroethane	2.5	U	5.0	2.5	ug/L			09/09/11 10:36	1
Chloroform	0.90	U	1.0	0.90	ug/L			09/09/11 10:36	1
Chloromethane	1.0	U	4.0	1.0	ug/L			09/09/11 10:36	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			09/09/11 10:36	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			09/09/11 10:36	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			09/09/11 10:36	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			09/09/11 10:36	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			09/09/11 10:36	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			09/09/11 10:36	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			09/09/11 10:36	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			09/09/11 10:36	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			09/09/11 10:36	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			09/09/11 10:36	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			09/09/11 10:36	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			09/09/11 10:36	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			09/09/11 10:36	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			09/09/11 10:36	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			09/09/11 10:36	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			09/09/11 10:36	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			09/09/11 10:36	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			09/09/11 10:36	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			09/09/11 10:36	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			09/09/11 10:36	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			09/09/11 10:36	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			09/09/11 10:36	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			09/09/11 10:36	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			09/09/11 10:36	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			09/09/11 10:36	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			09/09/11 10:36	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			09/09/11 10:36	1
Naphthalene	2.5	U	5.0	2.5	ug/L			09/09/11 10:36	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			09/09/11 10:36	1
Styrene	0.98	U	2.0	0.98	ug/L			09/09/11 10:36	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			09/09/11 10:36	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			09/09/11 10:36	1
Toluene	1.0	U	1.0	1.0	ug/L			09/09/11 10:36	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			09/09/11 10:36	1

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

Lab Sample ID: MB 660-114790/6
Matrix: Water
Analysis Batch: 114790

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			09/09/11 10:36	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			09/09/11 10:36	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			09/09/11 10:36	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			09/09/11 10:36	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			09/09/11 10:36	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			09/09/11 10:36	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			09/09/11 10:36	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			09/09/11 10:36	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			09/09/11 10:36	1
o-Xylene	0.50	U	1.0	0.50	ug/L			09/09/11 10:36	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			09/09/11 10:36	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			09/09/11 10:36	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			09/09/11 10:36	1
2-Hexanone	4.4	U	10	4.4	ug/L			09/09/11 10:36	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			09/09/11 10:36	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			09/09/11 10:36	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*105*		*70 - 130*		*09/09/11 10:36*	*1*
4-Bromofluorobenzene	*97*		*70 - 130*		*09/09/11 10:36*	*1*
Dibromofluoromethane	*104*		*70 - 130*		*09/09/11 10:36*	*1*

Lab Sample ID: LCS 660-114790/4
Matrix: Water
Analysis Batch: 114790

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	40.0	53.1		ug/L		133	62 - 142
Benzene	20.0	22.2		ug/L		111	68 - 134
Bromobenzene	20.0	19.0		ug/L		95	70 - 130
Chlorobromomethane	20.0	20.0		ug/L		100	70 - 130
Dichlorobromomethane	20.0	21.2		ug/L		106	70 - 130
Bromoform	20.0	15.3		ug/L		77	65 - 130
Bromomethane	20.0	10.2		ug/L		51	22 - 150
n-Butylbenzene	20.0	18.2		ug/L		91	61 - 131
sec-Butylbenzene	20.0	18.0		ug/L		90	68 - 133
tert-Butylbenzene	20.0	16.8		ug/L		84	64 - 130
Carbon tetrachloride	20.0	16.6		ug/L		83	61 - 134
Chlorobenzene	20.0	20.5		ug/L		103	70 - 130
Chloroethane	20.0	27.8		ug/L		139	39 - 150
Chloroform	20.0	20.1		ug/L		100	68 - 130
Chloromethane	20.0	21.8		ug/L		109	35 - 150
2-Chlorotoluene	20.0	20.3		ug/L		101	70 - 130
4-Chlorotoluene	20.0	19.8		ug/L		99	70 - 130
Chlorodibromomethane	20.0	16.4		ug/L		82	70 - 130
1,2-Dibromo-3-Chloropropane	20.0	18.1		ug/L		90	63 - 130
Ethylene Dibromide	20.0	20.5		ug/L		102	66 - 130
Dibromomethane	20.0	21.3		ug/L		106	70 - 130
1,2-Dichlorobenzene	20.0	19.6		ug/L		98	70 - 130

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

Lab Sample ID: LCS 660-114790/4
Matrix: Water
Analysis Batch: 114790

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
1,3-Dichlorobenzene	20.0	20.2		ug/L		101	70 - 130
1,4-Dichlorobenzene	20.0	19.2		ug/L		96	70 - 130
Dichlorodifluoromethane	20.0	18.7		ug/L		93	16 - 149
1,1-Dichloroethane	20.0	22.4		ug/L		112	66 - 130
1,2-Dichloroethane	20.0	20.6		ug/L		103	70 - 130
1,1,1,2-Tetrachloroethane	20.0	18.7		ug/L		94	70 - 130
1,1-Dichloroethene	20.0	20.3		ug/L		101	51 - 150
cis-1,2-Dichloroethene	20.0	21.4		ug/L		107	66 - 130
trans-1,2-Dichloroethene	20.0	18.8		ug/L		94	62 - 139
1,2-Dichloropropane	20.0	22.1		ug/L		111	70 - 130
1,3-Dichloropropane	20.0	21.5		ug/L		108	70 - 130
2,2-Dichloropropane	20.0	19.6		ug/L		98	66 - 134
1,1-Dichloropropene	20.0	18.5		ug/L		92	65 - 136
cis-1,3-Dichloropropene	20.0	19.5		ug/L		98	70 - 130
trans-1,3-Dichloropropene	20.0	18.6		ug/L		93	67 - 130
Ethylbenzene	20.0	18.1		ug/L		91	70 - 130
Hexachlorobutadiene	20.0	18.5		ug/L		93	62 - 143
Isopropylbenzene	20.0	17.7		ug/L		88	62 - 130
4-Isopropyltoluene	20.0	17.6		ug/L		88	65 - 134
Methylene Chloride	20.0	20.4		ug/L		102	57 - 130
Naphthalene	20.0	16.5		ug/L		82	50 - 136
N-Propylbenzene	20.0	18.8		ug/L		94	67 - 130
Styrene	20.0	18.9		ug/L		94	68 - 131
1,1,2,2-Tetrachloroethane	20.0	19.7		ug/L		99	70 - 130
Tetrachloroethene	20.0	17.1		ug/L		86	50 - 143
Toluene	20.0	21.3		ug/L		107	70 - 131
1,2,3-Trichlorobenzene	20.0	18.7		ug/L		94	58 - 132
1,2,4-Trichlorobenzene	20.0	18.3		ug/L		91	66 - 130
1,1,1-Trichloroethane	20.0	17.4		ug/L		87	63 - 132
1,1,2-Trichloroethane	20.0	21.3		ug/L		106	70 - 130
Trichloroethene	20.0	20.8		ug/L		104	63 - 139
Trichlorofluoromethane	20.0	32.3	J3	ug/L		162	62 - 146
1,2,3-Trichloropropane	20.0	19.9		ug/L		99	66 - 130
1,2,4-Trimethylbenzene	20.0	18.4		ug/L		92	70 - 132
1,3,5-Trimethylbenzene	20.0	17.9		ug/L		89	65 - 134
Vinyl chloride	20.0	26.1		ug/L		131	48 - 147
o-Xylene	20.0	18.1		ug/L		90	69 - 130
2-Butanone (MEK)	40.0	43.4		ug/L		108	63 - 140
4-Methyl-2-pentanone (MIBK)	40.0	41.7		ug/L		104	64 - 137
Carbon disulfide	40.0	33.6		ug/L		84	30 - 150
2-Hexanone	40.0	43.0		ug/L		108	60 - 148
Methyl tert-butyl ether	40.0	34.5		ug/L		86	67 - 130

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*103*		*70 - 130*
4-Bromofluorobenzene	*98*		*70 - 130*
Dibromofluoromethane	*98*		*70 - 130*

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

Lab Sample ID: 660-43265-H-7 MS
Matrix: Water
Analysis Batch: 114790

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	9.9	U	40.0	50.5		ug/L		126	62 - 142
Benzene	0.50	U	20.0	18.0		ug/L		90	68 - 134
Bromobenzene	0.58	U	20.0	18.8		ug/L		94	70 - 130
Chlorobromomethane	0.58	U	20.0	19.4		ug/L		97	70 - 130
Dichlorobromomethane	0.35	U	20.0	19.8		ug/L		99	70 - 130
Bromoform	0.58	U	20.0	16.2		ug/L		81	65 - 130
Bromomethane	2.5	U	20.0	7.02		ug/L		35	22 - 150
n-Butylbenzene	0.67	U	20.0	13.4		ug/L		67	61 - 131
sec-Butylbenzene	0.63	U J3	20.0	13.2	J3	ug/L		66	68 - 133
tert-Butylbenzene	0.84	U J3	20.0	12.5	J3	ug/L		62	64 - 130
Carbon tetrachloride	0.42	U J3	20.0	11.2	J3	ug/L		56	61 - 134
Chlorobenzene	0.63	U	20.0	18.0		ug/L		90	70 - 130
Chloroethane	2.5	U	20.0	22.3		ug/L		111	39 - 150
Chloroform	0.90	U	20.0	17.6		ug/L		88	68 - 130
Chloromethane	1.0	U	20.0	16.9		ug/L		84	35 - 150
2-Chlorotoluene	0.65	U	20.0	17.0		ug/L		85	70 - 130
4-Chlorotoluene	0.52	U	20.0	17.0		ug/L		85	70 - 130
Chlorodibromomethane	0.34	U	20.0	17.9		ug/L		89	70 - 130
1,2-Dibromo-3-Chloropropane	2.5	U	20.0	21.9		ug/L		109	63 - 130
Ethylene Dibromide	0.50	U	20.0	22.3		ug/L		112	66 - 130
Dibromomethane	0.41	U	20.0	24.4		ug/L		122	70 - 130
1,2-Dichlorobenzene	0.44	U	20.0	19.1		ug/L		96	70 - 130
1,3-Dichlorobenzene	0.64	U	20.0	18.4		ug/L		92	70 - 130
1,4-Dichlorobenzene	0.52	U	20.0	18.5		ug/L		93	70 - 130
Dichlorodifluoromethane	2.5	U	20.0	12.0		ug/L		60	16 - 149
1,1-Dichloroethane	0.52	U	20.0	17.7		ug/L		89	66 - 130
1,2-Dichloroethane	0.57	U	20.0	22.1		ug/L		111	70 - 130
1,1,1,2-Tetrachloroethane	0.63	U	20.0	17.9		ug/L		90	70 - 130
1,1-Dichloroethene	0.45	U	20.0	17.9		ug/L		89	51 - 150
cis-1,2-Dichloroethene	0.65	U	20.0	17.7		ug/L		88	66 - 130
trans-1,2-Dichloroethene	0.44	U	20.0	13.8		ug/L		69	62 - 139
1,2-Dichloropropane	0.52	U	20.0	20.7		ug/L		103	70 - 130
1,3-Dichloropropane	0.39	U	20.0	23.5		ug/L		118	70 - 130
2,2-Dichloropropane	0.36	U	20.0	14.1		ug/L		70	66 - 134
1,1-Dichloropropene	0.31	U J3	20.0	12.7	J3	ug/L		63	65 - 136
cis-1,3-Dichloropropene	0.14	U	20.0	18.8		ug/L		94	70 - 130
trans-1,3-Dichloropropene	0.14	U	20.0	19.5		ug/L		97	67 - 130
Ethylbenzene	0.44	U	20.0	14.5		ug/L		73	70 - 130
Hexachlorobutadiene	0.40	U	20.0	13.4		ug/L		67	62 - 143
Isopropylbenzene	0.19	U	20.0	13.0		ug/L		65	62 - 130
4-Isopropyltoluene	0.69	U	20.0	13.5		ug/L		68	65 - 134
Methylene Chloride	4.0	U	20.0	17.6		ug/L		88	57 - 130
Naphthalene	2.5	U	20.0	19.1		ug/L		95	50 - 136
N-Propylbenzene	0.59	U	20.0	14.0		ug/L		70	67 - 130
Styrene	0.98	U	20.0	17.0		ug/L		85	68 - 131
1,1,2,2-Tetrachloroethane	0.15	U	20.0	23.4		ug/L		117	70 - 130
Tetrachloroethene	0.69	I	20.0	12.6		ug/L		60	50 - 143
Toluene	1.0	U	20.0	17.1		ug/L		86	70 - 131
1,2,3-Trichlorobenzene	0.77	U	20.0	19.4		ug/L		97	58 - 132

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

Lab Sample ID: 660-43265-H-7 MS
Matrix: Water
Analysis Batch: 114790

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
1,2,4-Trichlorobenzene	0.58	U	20.0	18.0		ug/L		90	66 - 130
1,1,1-Trichloroethane	0.46	U	20.0	12.6		ug/L		63	63 - 132
1,1,2-Trichloroethane	0.47	U	20.0	23.1		ug/L		116	70 - 130
Trichloroethene	0.50	U	20.0	15.7		ug/L		79	63 - 139
Trichlorofluoromethane	2.5	U J3	20.0	21.7		ug/L		108	62 - 146
1,2,3-Trichloropropane	0.18	U	20.0	23.2		ug/L		116	66 - 130
1,2,4-Trimethylbenzene	0.86	U	20.0	15.3		ug/L		77	70 - 132
1,3,5-Trimethylbenzene	0.54	U	20.0	14.0		ug/L		70	65 - 134
Vinyl chloride	0.50	U	20.0	18.0		ug/L		90	48 - 147
o-Xylene	0.50	U	20.0	16.7		ug/L		83	69 - 130
2-Butanone (MEK)	8.4	U	40.0	43.7		ug/L		109	63 - 140
4-Methyl-2-pentanone (MIBK)	3.8	U	40.0	51.5		ug/L		129	64 - 137
Carbon disulfide	1.0	U	40.0	21.2		ug/L		53	30 - 150
2-Hexanone	4.4	U	40.0	48.6		ug/L		121	60 - 148
Methyl tert-butyl ether	0.44	U	40.0	37.1		ug/L		93	67 - 130

Surrogate	*MS % Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*105*		*70 - 130*
4-Bromofluorobenzene	*101*		*70 - 130*
Dibromofluoromethane	*100*		*70 - 130*

Lab Sample ID: 660-43265-F-6 DU
Matrix: Water
Analysis Batch: 114790

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Acetone	9.9	U	9.9	U	ug/L		NC	30
Benzene	0.50	U	0.50	U	ug/L		NC	30
Bromobenzene	0.58	U	0.58	U	ug/L		NC	30
Chlorobromomethane	0.58	U	0.58	U	ug/L		NC	30
Dichlorobromomethane	0.35	U	0.35	U	ug/L		NC	30
Bromoform	0.58	U	0.58	U	ug/L		NC	30
Bromomethane	2.5	U	2.5	U	ug/L		NC	30
n-Butylbenzene	0.67	U	0.67	U	ug/L		NC	30
sec-Butylbenzene	0.63	U	0.63	U	ug/L		NC	30
tert-Butylbenzene	0.84	U	0.84	U	ug/L		NC	30
Carbon tetrachloride	0.42	U	0.42	U	ug/L		NC	30
Chlorobenzene	0.63	U	0.63	U	ug/L		NC	30
Chloroethane	2.5	U	2.5	U	ug/L		NC	30
Chloroform	0.90	U	0.90	U	ug/L		NC	30
Chloromethane	1.0	U	1.0	U	ug/L		NC	30
2-Chlorotoluene	0.65	U	0.65	U	ug/L		NC	30
4-Chlorotoluene	0.52	U	0.52	U	ug/L		NC	30
Chlorodibromomethane	0.34	U	0.34	U	ug/L		NC	30
1,2-Dibromo-3-Chloropropane	2.5	U	2.5	U	ug/L		NC	30
Ethylene Dibromide	0.50	U	0.50	U	ug/L		NC	30
Dibromomethane	0.41	U	0.41	U	ug/L		NC	30
1,2-Dichlorobenzene	0.44	U	0.44	U	ug/L		NC	30
1,3-Dichlorobenzene	0.64	U	0.64	U	ug/L		NC	30

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

Lab Sample ID: 660-43265-F-6 DU
Matrix: Water
Analysis Batch: 114790

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
1,4-Dichlorobenzene	0.52	U		0.52	U	ug/L				NC	30
Dichlorodifluoromethane	2.5	U		2.5	U	ug/L				NC	30
1,1-Dichloroethane	0.52	U		0.52	U	ug/L				NC	30
1,2-Dichloroethane	0.57	U		0.57	U	ug/L				NC	30
1,1,1,2-Tetrachloroethane	0.63	U		0.63	U	ug/L				NC	30
1,1-Dichloroethene	0.45	U		0.45	U	ug/L				NC	30
cis-1,2-Dichloroethene	0.65	U		0.65	U	ug/L				NC	30
trans-1,2-Dichloroethene	0.44	U		0.44	U	ug/L				NC	30
1,2-Dichloropropane	0.52	U		0.52	U	ug/L				NC	30
1,3-Dichloropropane	0.39	U		0.39	U	ug/L				NC	30
2,2-Dichloropropane	0.36	U		0.36	U	ug/L				NC	30
1,1-Dichloropropene	0.31	U		0.31	U	ug/L				NC	30
cis-1,3-Dichloropropene	0.14	U		0.14	U	ug/L				NC	30
trans-1,3-Dichloropropene	0.14	U		0.14	U	ug/L				NC	30
Ethylbenzene	0.44	U		0.44	U	ug/L				NC	30
Hexachlorobutadiene	0.40	U		0.40	U	ug/L				NC	30
Isopropylbenzene	0.19	U		0.19	U	ug/L				NC	30
4-Isopropyltoluene	0.69	U		0.69	U	ug/L				NC	30
Methylene Chloride	4.0	U		4.0	U	ug/L				NC	30
Naphthalene	2.5	U		2.5	U	ug/L				NC	30
N-Propylbenzene	0.59	U		0.59	U	ug/L				NC	30
Styrene	0.98	U		0.98	U	ug/L				NC	30
1,1,2,2-Tetrachloroethane	0.15	U		0.15	U	ug/L				NC	30
Tetrachloroethene	0.50	U		0.50	U	ug/L				NC	30
Toluene	1.0	U		1.0	U	ug/L				NC	30
1,2,3-Trichlorobenzene	0.77	U		0.77	U	ug/L				NC	30
1,2,4-Trichlorobenzene	0.58	U		0.58	U	ug/L				NC	30
1,1,1-Trichloroethane	0.46	U		0.46	U	ug/L				NC	30
1,1,2-Trichloroethane	0.47	U		0.47	U	ug/L				NC	30
Trichloroethene	0.50	U		0.50	U	ug/L				NC	30
Trichlorofluoromethane	2.5	U J3		2.5	U J3	ug/L				NC	30
1,2,3-Trichloropropane	0.18	U		0.18	U	ug/L				NC	30
1,2,4-Trimethylbenzene	0.86	U		0.86	U	ug/L				NC	30
1,3,5-Trimethylbenzene	0.54	U		0.54	U	ug/L				NC	30
Vinyl chloride	0.50	U		0.50	U	ug/L				NC	30
o-Xylene	0.50	U		0.50	U	ug/L				NC	30
2-Butanone (MEK)	8.4	U		8.4	U	ug/L				NC	30
4-Methyl-2-pentanone (MIBK)	3.8	U		3.8	U	ug/L				NC	30
Carbon disulfide	1.0	U		1.0	U	ug/L				NC	30
2-Hexanone	4.4	U		4.4	U	ug/L				NC	30
Methyl tert-butyl ether	0.44	U		0.44	U	ug/L				NC	30
m-Xylene & p-Xylene	0.60	U		0.60	U	ug/L				NC	30

Surrogate	*DU % Recovery*	*DU Qualifier*	*Limits*
Toluene-d8 (Surr)	*104*		*70 - 130*
4-Bromofluorobenzene	*96*		*70 - 130*
Dibromofluoromethane	*95*		*70 - 130*

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

Lab Sample ID: MB 660-114816/5
Matrix: Water
Analysis Batch: 114816

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			09/08/11 16:10	1
Benzene	0.50	U	1.0	0.50	ug/L			09/08/11 16:10	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			09/08/11 16:10	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			09/08/11 16:10	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			09/08/11 16:10	1
Bromoform	0.58	U	1.0	0.58	ug/L			09/08/11 16:10	1
Bromomethane	2.5	U	5.0	2.5	ug/L			09/08/11 16:10	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			09/08/11 16:10	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			09/08/11 16:10	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			09/08/11 16:10	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			09/08/11 16:10	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			09/08/11 16:10	1
Chloroethane	2.5	U	5.0	2.5	ug/L			09/08/11 16:10	1
Chloroform	0.90	U	1.0	0.90	ug/L			09/08/11 16:10	1
Chloromethane	1.0	U	4.0	1.0	ug/L			09/08/11 16:10	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			09/08/11 16:10	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			09/08/11 16:10	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			09/08/11 16:10	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			09/08/11 16:10	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			09/08/11 16:10	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			09/08/11 16:10	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			09/08/11 16:10	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			09/08/11 16:10	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			09/08/11 16:10	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			09/08/11 16:10	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			09/08/11 16:10	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			09/08/11 16:10	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			09/08/11 16:10	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			09/08/11 16:10	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			09/08/11 16:10	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			09/08/11 16:10	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			09/08/11 16:10	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			09/08/11 16:10	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			09/08/11 16:10	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			09/08/11 16:10	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			09/08/11 16:10	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			09/08/11 16:10	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			09/08/11 16:10	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			09/08/11 16:10	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			09/08/11 16:10	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			09/08/11 16:10	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			09/08/11 16:10	1
Naphthalene	2.5	U	5.0	2.5	ug/L			09/08/11 16:10	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			09/08/11 16:10	1
Styrene	0.98	U	2.0	0.98	ug/L			09/08/11 16:10	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			09/08/11 16:10	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			09/08/11 16:10	1
Toluene	1.0	U	1.0	1.0	ug/L			09/08/11 16:10	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			09/08/11 16:10	1

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

Lab Sample ID: MB 660-114816/5
Matrix: Water
Analysis Batch: 114816

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			09/08/11 16:10	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			09/08/11 16:10	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			09/08/11 16:10	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			09/08/11 16:10	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			09/08/11 16:10	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			09/08/11 16:10	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			09/08/11 16:10	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			09/08/11 16:10	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			09/08/11 16:10	1
o-Xylene	0.50	U	1.0	0.50	ug/L			09/08/11 16:10	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			09/08/11 16:10	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			09/08/11 16:10	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			09/08/11 16:10	1
2-Hexanone	4.4	U	10	4.4	ug/L			09/08/11 16:10	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			09/08/11 16:10	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			09/08/11 16:10	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*106*		*70 - 130*		*09/08/11 16:10*	*1*
4-Bromofluorobenzene	*102*		*70 - 130*		*09/08/11 16:10*	*1*
Dibromofluoromethane	*98*		*70 - 130*		*09/08/11 16:10*	*1*

Lab Sample ID: LCS 660-114816/3
Matrix: Water
Analysis Batch: 114816

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	40.0	55.8		ug/L		140	62 - 142
Benzene	20.0	21.9		ug/L		110	68 - 134
Bromobenzene	20.0	19.6		ug/L		98	70 - 130
Chlorobromomethane	20.0	21.8		ug/L		109	70 - 130
Dichlorobromomethane	20.0	21.8		ug/L		109	70 - 130
Bromoform	20.0	21.2		ug/L		106	65 - 130
Bromomethane	20.0	15.9		ug/L		79	22 - 150
n-Butylbenzene	20.0	20.0		ug/L		100	61 - 131
sec-Butylbenzene	20.0	19.7		ug/L		98	68 - 133
tert-Butylbenzene	20.0	19.7		ug/L		98	64 - 130
Carbon tetrachloride	20.0	20.4		ug/L		102	61 - 134
Chlorobenzene	20.0	20.8		ug/L		104	70 - 130
Chloroethane	20.0	16.3		ug/L		81	39 - 150
Chloroform	20.0	19.8		ug/L		99	68 - 130
Chloromethane	20.0	21.6		ug/L		108	35 - 150
2-Chlorotoluene	20.0	20.2		ug/L		101	70 - 130
4-Chlorotoluene	20.0	18.4		ug/L		92	70 - 130
Chlorodibromomethane	20.0	21.3		ug/L		106	70 - 130
1,2-Dibromo-3-Chloropropane	20.0	16.6		ug/L		83	63 - 130
Ethylene Dibromide	20.0	22.4		ug/L		112	66 - 130
Dibromomethane	20.0	21.4		ug/L		107	70 - 130
1,2-Dichlorobenzene	20.0	20.2		ug/L		101	70 - 130

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

Lab Sample ID: LCS 660-114816/3
Matrix: Water
Analysis Batch: 114816

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
1,3-Dichlorobenzene	20.0	19.5		ug/L		97	70 - 130
1,4-Dichlorobenzene	20.0	20.4		ug/L		102	70 - 130
Dichlorodifluoromethane	20.0	20.0		ug/L		100	16 - 149
1,1-Dichloroethane	20.0	23.1		ug/L		115	66 - 130
1,2-Dichloroethane	20.0	20.1		ug/L		101	70 - 130
1,1,1,2-Tetrachloroethane	20.0	20.1		ug/L		101	70 - 130
1,1-Dichloroethene	20.0	23.8		ug/L		119	51 - 150
cis-1,2-Dichloroethene	20.0	21.2		ug/L		106	66 - 130
trans-1,2-Dichloroethene	20.0	22.5		ug/L		113	62 - 139
1,2-Dichloropropane	20.0	22.7		ug/L		114	70 - 130
1,3-Dichloropropane	20.0	22.6		ug/L		113	70 - 130
2,2-Dichloropropane	20.0	19.8		ug/L		99	66 - 134
1,1-Dichloropropene	20.0	22.4		ug/L		112	65 - 136
cis-1,3-Dichloropropene	20.0	24.3		ug/L		122	70 - 130
trans-1,3-Dichloropropene	20.0	23.9		ug/L		119	67 - 130
Ethylbenzene	20.0	21.2		ug/L		106	70 - 130
Hexachlorobutadiene	20.0	21.1		ug/L		105	62 - 143
Isopropylbenzene	20.0	20.5		ug/L		103	62 - 130
4-Isopropyltoluene	20.0	19.5		ug/L		98	65 - 134
Methylene Chloride	20.0	16.5		ug/L		82	57 - 130
Naphthalene	20.0	17.1		ug/L		86	50 - 136
N-Propylbenzene	20.0	19.2		ug/L		96	67 - 130
Styrene	20.0	22.5		ug/L		113	68 - 131
1,1,2,2-Tetrachloroethane	20.0	18.9		ug/L		94	70 - 130
Tetrachloroethene	20.0	17.9		ug/L		90	50 - 143
Toluene	20.0	22.6		ug/L		113	70 - 131
1,2,3-Trichlorobenzene	20.0	19.4		ug/L		97	58 - 132
1,2,4-Trichlorobenzene	20.0	19.9		ug/L		99	66 - 130
1,1,1-Trichloroethane	20.0	19.3		ug/L		97	63 - 132
1,1,2-Trichloroethane	20.0	21.0		ug/L		105	70 - 130
Trichloroethene	20.0	21.6		ug/L		108	63 - 139
Trichlorofluoromethane	20.0	19.3		ug/L		96	62 - 146
1,2,3-Trichloropropane	20.0	17.2		ug/L		86	66 - 130
1,2,4-Trimethylbenzene	20.0	19.5		ug/L		97	70 - 132
1,3,5-Trimethylbenzene	20.0	19.2		ug/L		96	65 - 134
Vinyl chloride	20.0	20.9		ug/L		105	48 - 147
o-Xylene	20.0	21.4		ug/L		107	69 - 130
2-Butanone (MEK)	40.0	43.0		ug/L		107	63 - 140
4-Methyl-2-pentanone (MIBK)	40.0	42.7		ug/L		107	64 - 137
Carbon disulfide	40.0	32.7		ug/L		82	30 - 150
2-Hexanone	40.0	44.3		ug/L		111	60 - 148
Methyl tert-butyl ether	40.0	41.9		ug/L		105	67 - 130

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*102*		*70 - 130*
4-Bromofluorobenzene	*103*		*70 - 130*
Dibromofluoromethane	*98*		*70 - 130*

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

Lab Sample ID: 660-43334-C-2 MS
Matrix: Water
Analysis Batch: 114816

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	9.9	U	40.0	48.4		ug/L		121	62 - 142
Benzene	0.50	U	20.0	24.2		ug/L		121	68 - 134
Bromobenzene	0.58	U	20.0	21.3		ug/L		106	70 - 130
Chlorobromomethane	0.58	U	20.0	24.4		ug/L		122	70 - 130
Dichlorobromomethane	0.35	U	20.0	24.4		ug/L		122	70 - 130
Bromoform	0.58	U	20.0	23.0		ug/L		115	65 - 130
Bromomethane	2.5	U	20.0	16.2		ug/L		81	22 - 150
n-Butylbenzene	0.67	U	20.0	20.8		ug/L		104	61 - 131
sec-Butylbenzene	0.63	U	20.0	20.7		ug/L		104	68 - 133
tert-Butylbenzene	0.84	U	20.0	21.8		ug/L		109	64 - 130
Carbon tetrachloride	0.42	U	20.0	21.3		ug/L		107	61 - 134
Chlorobenzene	0.63	U	20.0	21.8		ug/L		109	70 - 130
Chloroethane	2.5	U	20.0	10.3		ug/L		51	39 - 150
Chloroform	0.90	U	20.0	22.3		ug/L		111	68 - 130
Chloromethane	1.0	U	20.0	21.0		ug/L		105	35 - 150
2-Chlorotoluene	0.65	U	20.0	21.0		ug/L		105	70 - 130
4-Chlorotoluene	0.52	U	20.0	21.1		ug/L		105	70 - 130
Chlorodibromomethane	0.34	U	20.0	22.8		ug/L		114	70 - 130
1,2-Dibromo-3-Chloropropane	2.5	U	20.0	18.2		ug/L		91	63 - 130
Ethylene Dibromide	0.50	U	20.0	24.3		ug/L		121	66 - 130
Dibromomethane	0.41	U	20.0	23.3		ug/L		117	70 - 130
1,2-Dichlorobenzene	0.44	U	20.0	21.9		ug/L		109	70 - 130
1,3-Dichlorobenzene	0.64	U	20.0	21.4		ug/L		107	70 - 130
1,4-Dichlorobenzene	0.52	U	20.0	22.6		ug/L		113	70 - 130
Dichlorodifluoromethane	2.5	U	20.0	18.4		ug/L		92	16 - 149
1,1-Dichloroethane	0.52	U	20.0	24.6		ug/L		123	66 - 130
1,2-Dichloroethane	0.57	U	20.0	23.0		ug/L		115	70 - 130
1,1,1,2-Tetrachloroethane	0.63	U	20.0	21.4		ug/L		107	70 - 130
1,1-Dichloroethene	0.45	U	20.0	25.3		ug/L		126	51 - 150
cis-1,2-Dichloroethene	0.65	U	20.0	23.2		ug/L		116	66 - 130
trans-1,2-Dichloroethene	0.44	U	20.0	24.6		ug/L		123	62 - 139
1,2-Dichloropropane	0.52	U	20.0	23.7		ug/L		118	70 - 130
1,3-Dichloropropane	0.39	U	20.0	24.6		ug/L		123	70 - 130
2,2-Dichloropropane	0.36	U	20.0	23.2		ug/L		116	66 - 134
1,1-Dichloropropene	0.31	U	20.0	22.9		ug/L		114	65 - 136
cis-1,3-Dichloropropene	0.14	U	20.0	26.0		ug/L		130	70 - 130
trans-1,3-Dichloropropene	0.14	U	20.0	25.3		ug/L		127	67 - 130
Ethylbenzene	0.44	U	20.0	21.7		ug/L		109	70 - 130
Hexachlorobutadiene	0.40	U	20.0	22.5		ug/L		113	62 - 143
Isopropylbenzene	0.19	U	20.0	21.2		ug/L		106	62 - 130
4-Isopropyltoluene	0.69	U	20.0	21.0		ug/L		105	65 - 134
Methylene Chloride	4.0	U	20.0	20.5		ug/L		103	57 - 130
Naphthalene	2.5	U	20.0	19.5		ug/L		97	50 - 136
N-Propylbenzene	0.59	U	20.0	20.7		ug/L		104	67 - 130
Styrene	0.98	U	20.0	23.0		ug/L		115	68 - 131
1,1,2,2-Tetrachloroethane	0.15	U	20.0	21.1		ug/L		106	70 - 130
Tetrachloroethene	0.50	U	20.0	19.3		ug/L		97	50 - 143
Toluene	1.0	U	20.0	24.1		ug/L		120	70 - 131
1,2,3-Trichlorobenzene	0.77	U	20.0	21.9		ug/L		109	58 - 132

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

Lab Sample ID: 660-43334-C-2 MS
Matrix: Water
Analysis Batch: 114816

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
1,2,4-Trichlorobenzene	0.58	U	20.0	23.8		ug/L		119	66 - 130
1,1,1-Trichloroethane	0.46	U	20.0	20.8		ug/L		104	63 - 132
1,1,2-Trichloroethane	0.47	U	20.0	23.6		ug/L		118	70 - 130
Trichloroethene	0.50	U	20.0	22.7		ug/L		113	63 - 139
Trichlorofluoromethane	2.5	U	20.0	21.8		ug/L		109	62 - 146
1,2,3-Trichloropropane	0.18	U	20.0	19.9		ug/L		99	66 - 130
1,2,4-Trimethylbenzene	0.86	U	20.0	21.3		ug/L		106	70 - 132
1,3,5-Trimethylbenzene	0.54	U	20.0	20.3		ug/L		101	65 - 134
Vinyl chloride	0.50	U	20.0	20.3		ug/L		102	48 - 147
o-Xylene	0.50	U	20.0	22.4		ug/L		112	69 - 130
2-Butanone (MEK)	8.4	U	40.0	46.3		ug/L		116	63 - 140
4-Methyl-2-pentanone (MIBK)	3.8	U	40.0	47.2		ug/L		118	64 - 137
Carbon disulfide	1.0	U	40.0	34.7		ug/L		87	30 - 150
2-Hexanone	4.4	U	40.0	49.0		ug/L		123	60 - 148
Methyl tert-butyl ether	0.44	U	40.0	46.7		ug/L		117	67 - 130

Surrogate	*MS % Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*103*		*70 - 130*
4-Bromofluorobenzene	*100*		*70 - 130*
Dibromofluoromethane	*101*		*70 - 130*

Lab Sample ID: 660-43334-D-1 DU
Matrix: Water
Analysis Batch: 114816

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Acetone	9.9	U	9.9	U	ug/L		NC	30
Benzene	0.50	U	0.50	U	ug/L		NC	30
Bromobenzene	0.58	U	0.58	U	ug/L		NC	30
Chlorobromomethane	0.58	U	0.58	U	ug/L		NC	30
Dichlorobromomethane	0.35	U	0.35	U	ug/L		NC	30
Bromoform	0.58	U	0.58	U	ug/L		NC	30
Bromomethane	2.5	U	2.5	U	ug/L		NC	30
n-Butylbenzene	0.67	U	0.67	U	ug/L		NC	30
sec-Butylbenzene	0.63	U	0.63	U	ug/L		NC	30
tert-Butylbenzene	0.84	U	0.84	U	ug/L		NC	30
Carbon tetrachloride	0.42	U	0.42	U	ug/L		NC	30
Chlorobenzene	0.63	U	0.63	U	ug/L		NC	30
Chloroethane	2.5	U	2.5	U	ug/L		NC	30
Chloroform	0.90	U	0.90	U	ug/L		NC	30
Chloromethane	1.0	U	1.0	U	ug/L		NC	30
2-Chlorotoluene	0.65	U	0.65	U	ug/L		NC	30
4-Chlorotoluene	0.52	U	0.52	U	ug/L		NC	30
Chlorodibromomethane	0.34	U	0.34	U	ug/L		NC	30
1,2-Dibromo-3-Chloropropane	2.5	U	2.5	U	ug/L		NC	30
Ethylene Dibromide	0.50	U	0.50	U	ug/L		NC	30
Dibromomethane	0.41	U	0.41	U	ug/L		NC	30
1,2-Dichlorobenzene	0.44	U	0.44	U	ug/L		NC	30
1,3-Dichlorobenzene	0.64	U	0.64	U	ug/L		NC	30

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

Lab Sample ID: 660-43334-D-1 DU
Matrix: Water
Analysis Batch: 114816

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
1,4-Dichlorobenzene	0.56	I		0.52	U	ug/L				NC	30
Dichlorodifluoromethane	2.5	U		2.5	U	ug/L				NC	30
1,1-Dichloroethane	0.52	U		0.52	U	ug/L				NC	30
1,2-Dichloroethane	0.57	U		0.57	U	ug/L				NC	30
1,1,1,2-Tetrachloroethane	0.63	U		0.63	U	ug/L				NC	30
1,1-Dichloroethene	0.45	U		0.45	U	ug/L				NC	30
cis-1,2-Dichloroethene	0.65	U		0.65	U	ug/L				NC	30
trans-1,2-Dichloroethene	0.44	U		0.44	U	ug/L				NC	30
1,2-Dichloropropane	0.52	U		0.52	U	ug/L				NC	30
1,3-Dichloropropane	0.39	U		0.39	U	ug/L				NC	30
2,2-Dichloropropane	0.36	U		0.36	U	ug/L				NC	30
1,1-Dichloropropene	0.31	U		0.31	U	ug/L				NC	30
cis-1,3-Dichloropropene	0.14	U		0.14	U	ug/L				NC	30
trans-1,3-Dichloropropene	0.14	U		0.14	U	ug/L				NC	30
Ethylbenzene	0.44	U		0.44	U	ug/L				NC	30
Hexachlorobutadiene	0.40	U		0.40	U	ug/L				NC	30
Isopropylbenzene	0.19	U		0.19	U	ug/L				NC	30
4-Isopropyltoluene	0.69	U		0.69	U	ug/L				NC	30
Methylene Chloride	4.0	U		4.0	U	ug/L				NC	30
Naphthalene	2.5	U		2.5	U	ug/L				NC	30
N-Propylbenzene	0.59	U		0.59	U	ug/L				NC	30
Styrene	0.98	U		0.98	U	ug/L				NC	30
1,1,2,2-Tetrachloroethane	0.15	U		0.15	U	ug/L				NC	30
Tetrachloroethene	0.50	U		0.50	U	ug/L				NC	30
Toluene	1.0	U		1.0	U	ug/L				NC	30
1,2,3-Trichlorobenzene	0.77	U		0.77	U	ug/L				NC	30
1,2,4-Trichlorobenzene	0.58	U		0.58	U	ug/L				NC	30
1,1,1-Trichloroethane	0.46	U		0.46	U	ug/L				NC	30
1,1,2-Trichloroethane	0.47	U		0.47	U	ug/L				NC	30
Trichloroethene	0.50	U		0.50	U	ug/L				NC	30
Trichlorofluoromethane	2.5	U		2.5	U	ug/L				NC	30
1,2,3-Trichloropropane	0.18	U		0.18	U	ug/L				NC	30
1,2,4-Trimethylbenzene	0.86	U		0.86	U	ug/L				NC	30
1,3,5-Trimethylbenzene	0.54	U		0.54	U	ug/L				NC	30
Vinyl chloride	0.50	U		0.50	U	ug/L				NC	30
o-Xylene	0.50	U		0.50	U	ug/L				NC	30
2-Butanone (MEK)	8.4	U		8.4	U	ug/L				NC	30
4-Methyl-2-pentanone (MIBK)	3.8	U		3.8	U	ug/L				NC	30
Carbon disulfide	1.0	U		1.0	U	ug/L				NC	30
2-Hexanone	4.4	U		4.4	U	ug/L				NC	30
Methyl tert-butyl ether	0.44	U		0.44	U	ug/L				NC	30
m-Xylene & p-Xylene	0.60	U		0.60	U	ug/L				NC	30

Surrogate	*DU % Recovery*	*DU Qualifier*	*Limits*
Toluene-d8 (Surr)	*104*		*70 - 130*
4-Bromofluorobenzene	*101*		*70 - 130*
Dibromofluoromethane	*99*		*70 - 130*

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

Lab Sample ID: MB 660-114876/5
Matrix: Water
Analysis Batch: 114876

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			09/09/11 17:54	1
Benzene	0.50	U	1.0	0.50	ug/L			09/09/11 17:54	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			09/09/11 17:54	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			09/09/11 17:54	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			09/09/11 17:54	1
Bromoform	0.58	U	1.0	0.58	ug/L			09/09/11 17:54	1
Bromomethane	2.5	U	5.0	2.5	ug/L			09/09/11 17:54	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			09/09/11 17:54	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			09/09/11 17:54	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			09/09/11 17:54	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			09/09/11 17:54	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			09/09/11 17:54	1
Chloroethane	2.5	U	5.0	2.5	ug/L			09/09/11 17:54	1
Chloroform	0.90	U	1.0	0.90	ug/L			09/09/11 17:54	1
Chloromethane	1.0	U	4.0	1.0	ug/L			09/09/11 17:54	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			09/09/11 17:54	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			09/09/11 17:54	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			09/09/11 17:54	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			09/09/11 17:54	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			09/09/11 17:54	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			09/09/11 17:54	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			09/09/11 17:54	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			09/09/11 17:54	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			09/09/11 17:54	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			09/09/11 17:54	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			09/09/11 17:54	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			09/09/11 17:54	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			09/09/11 17:54	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			09/09/11 17:54	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			09/09/11 17:54	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			09/09/11 17:54	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			09/09/11 17:54	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			09/09/11 17:54	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			09/09/11 17:54	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			09/09/11 17:54	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			09/09/11 17:54	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			09/09/11 17:54	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			09/09/11 17:54	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			09/09/11 17:54	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			09/09/11 17:54	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			09/09/11 17:54	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			09/09/11 17:54	1
Naphthalene	2.5	U	5.0	2.5	ug/L			09/09/11 17:54	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			09/09/11 17:54	1
Styrene	0.98	U	2.0	0.98	ug/L			09/09/11 17:54	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			09/09/11 17:54	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			09/09/11 17:54	1
Toluene	1.0	U	1.0	1.0	ug/L			09/09/11 17:54	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			09/09/11 17:54	1

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

Lab Sample ID: MB 660-114876/5
Matrix: Water
Analysis Batch: 114876

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			09/09/11 17:54	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			09/09/11 17:54	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			09/09/11 17:54	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			09/09/11 17:54	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			09/09/11 17:54	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			09/09/11 17:54	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			09/09/11 17:54	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			09/09/11 17:54	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			09/09/11 17:54	1
o-Xylene	0.50	U	1.0	0.50	ug/L			09/09/11 17:54	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			09/09/11 17:54	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			09/09/11 17:54	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			09/09/11 17:54	1
2-Hexanone	4.4	U	10	4.4	ug/L			09/09/11 17:54	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			09/09/11 17:54	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			09/09/11 17:54	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*70 - 130*		*09/09/11 17:54*	*1*
4-Bromofluorobenzene	*98*		*70 - 130*		*09/09/11 17:54*	*1*
Dibromofluoromethane	*94*		*70 - 130*		*09/09/11 17:54*	*1*

Lab Sample ID: LCS 660-114876/3
Matrix: Water
Analysis Batch: 114876

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	40.0	46.7		ug/L		117	62 - 142
Benzene	20.0	16.7		ug/L		83	68 - 134
Bromobenzene	20.0	21.6		ug/L		108	70 - 130
Chlorobromomethane	20.0	18.1		ug/L		91	70 - 130
Dichlorobromomethane	20.0	18.5		ug/L		93	70 - 130
Bromoform	20.0	21.3		ug/L		107	65 - 130
Bromomethane	20.0	13.7		ug/L		68	22 - 150
n-Butylbenzene	20.0	21.6		ug/L		108	61 - 131
sec-Butylbenzene	20.0	21.0		ug/L		105	68 - 133
tert-Butylbenzene	20.0	21.3		ug/L		107	64 - 130
Carbon tetrachloride	20.0	16.7		ug/L		83	61 - 134
Chlorobenzene	20.0	20.8		ug/L		104	70 - 130
Chloroethane	20.0	10.5		ug/L		53	39 - 150
Chloroform	20.0	15.8		ug/L		79	68 - 130
Chloromethane	20.0	17.6		ug/L		88	35 - 150
2-Chlorotoluene	20.0	21.7		ug/L		109	70 - 130
4-Chlorotoluene	20.0	20.6		ug/L		103	70 - 130
Chlorodibromomethane	20.0	18.3		ug/L		91	70 - 130
1,2-Dibromo-3-Chloropropane	20.0	18.0		ug/L		90	63 - 130
Ethylene Dibromide	20.0	19.1		ug/L		96	66 - 130
Dibromomethane	20.0	17.7		ug/L		89	70 - 130
1,2-Dichlorobenzene	20.0	22.9		ug/L		115	70 - 130

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

Lab Sample ID: LCS 660-114876/3
Matrix: Water
Analysis Batch: 114876

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
1,3-Dichlorobenzene	20.0	21.3		ug/L		106	70 - 130
1,4-Dichlorobenzene	20.0	21.1		ug/L		106	70 - 130
Dichlorodifluoromethane	20.0	13.5		ug/L		67	16 - 149
1,1-Dichloroethane	20.0	18.1		ug/L		90	66 - 130
1,2-Dichloroethane	20.0	16.7		ug/L		84	70 - 130
1,1,1,2-Tetrachloroethane	20.0	20.2		ug/L		101	70 - 130
1,1-Dichloroethene	20.0	20.7		ug/L		104	51 - 150
cis-1,2-Dichloroethene	20.0	17.1		ug/L		86	66 - 130
trans-1,2-Dichloroethene	20.0	18.7		ug/L		94	62 - 139
1,2-Dichloropropane	20.0	18.0		ug/L		90	70 - 130
1,3-Dichloropropane	20.0	18.3		ug/L		91	70 - 130
2,2-Dichloropropane	20.0	18.3		ug/L		92	66 - 134
1,1-Dichloropropene	20.0	16.3		ug/L		82	65 - 136
cis-1,3-Dichloropropene	20.0	19.7		ug/L		99	70 - 130
trans-1,3-Dichloropropene	20.0	19.6		ug/L		98	67 - 130
Ethylbenzene	20.0	20.4		ug/L		102	70 - 130
Hexachlorobutadiene	20.0	23.0		ug/L		115	62 - 143
Isopropylbenzene	20.0	20.9		ug/L		105	62 - 130
4-Isopropyltoluene	20.0	21.4		ug/L		107	65 - 134
Methylene Chloride	20.0	15.1		ug/L		76	57 - 130
Naphthalene	20.0	18.4		ug/L		92	50 - 136
N-Propylbenzene	20.0	21.5		ug/L		108	67 - 130
Styrene	20.0	22.5		ug/L		112	68 - 131
1,1,2,2-Tetrachloroethane	20.0	20.4		ug/L		102	70 - 130
Tetrachloroethene	20.0	14.3		ug/L		72	50 - 143
Toluene	20.0	18.2		ug/L		91	70 - 131
1,2,3-Trichlorobenzene	20.0	23.3		ug/L		117	58 - 132
1,2,4-Trichlorobenzene	20.0	23.6		ug/L		118	66 - 130
1,1,1-Trichloroethane	20.0	16.5		ug/L		83	63 - 132
1,1,2-Trichloroethane	20.0	17.9		ug/L		89	70 - 130
Trichloroethene	20.0	17.5		ug/L		88	63 - 139
Trichlorofluoromethane	20.0	16.2		ug/L		81	62 - 146
1,2,3-Trichloropropane	20.0	19.8		ug/L		99	66 - 130
1,2,4-Trimethylbenzene	20.0	21.4		ug/L		107	70 - 132
1,3,5-Trimethylbenzene	20.0	21.2		ug/L		106	65 - 134
Vinyl chloride	20.0	15.6		ug/L		78	48 - 147
o-Xylene	20.0	21.7		ug/L		108	69 - 130
2-Butanone (MEK)	40.0	29.7		ug/L		74	63 - 140
4-Methyl-2-pentanone (MIBK)	40.0	34.1		ug/L		85	64 - 137
Carbon disulfide	40.0	28.2		ug/L		71	30 - 150
2-Hexanone	40.0	35.4		ug/L		89	60 - 148
Methyl tert-butyl ether	40.0	33.2		ug/L		83	67 - 130

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*97*		*70 - 130*
4-Bromofluorobenzene	*97*		*70 - 130*
Dibromofluoromethane	*96*		*70 - 130*

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

Lab Sample ID: 660-43364-D-2 MS
Matrix: Water
Analysis Batch: 114876

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	9.9	U	40.0	33.7		ug/L		84	62 - 142
Benzene	0.50	U	20.0	18.1		ug/L		91	68 - 134
Bromobenzene	0.58	U	20.0	23.1		ug/L		115	70 - 130
Chlorobromomethane	0.58	U	20.0	18.9		ug/L		94	70 - 130
Dichlorobromomethane	0.35	U	20.0	19.7		ug/L		98	70 - 130
Bromoform	0.58	U	20.0	23.4		ug/L		117	65 - 130
Bromomethane	2.5	U	20.0	11.5		ug/L		58	22 - 150
n-Butylbenzene	0.67	U	20.0	22.9		ug/L		115	61 - 131
sec-Butylbenzene	0.63	U	20.0	22.1		ug/L		111	68 - 133
tert-Butylbenzene	0.84	U	20.0	23.3		ug/L		116	64 - 130
Carbon tetrachloride	0.42	U	20.0	17.0		ug/L		85	61 - 134
Chlorobenzene	0.63	U	20.0	23.2		ug/L		116	70 - 130
Chloroethane	2.5	U	20.0	11.0		ug/L		55	39 - 150
Chloroform	0.90	U	20.0	17.3		ug/L		86	68 - 130
Chloromethane	1.0	U	20.0	16.1		ug/L		80	35 - 150
2-Chlorotoluene	0.65	U	20.0	23.4		ug/L		117	70 - 130
4-Chlorotoluene	0.52	U	20.0	22.5		ug/L		113	70 - 130
Chlorodibromomethane	0.34	U	20.0	19.3		ug/L		97	70 - 130
1,2-Dibromo-3-Chloropropane	2.5	U	20.0	21.2		ug/L		106	63 - 130
Ethylene Dibromide	0.50	U	20.0	19.9		ug/L		100	66 - 130
Dibromomethane	0.41	U	20.0	18.8		ug/L		94	70 - 130
1,2-Dichlorobenzene	0.44	U	20.0	23.7		ug/L		118	70 - 130
1,3-Dichlorobenzene	0.64	U	20.0	23.0		ug/L		115	70 - 130
1,4-Dichlorobenzene	0.82	I	20.0	25.4		ug/L		123	70 - 130
Dichlorodifluoromethane	2.5	U	20.0	13.4		ug/L		67	16 - 149
1,1-Dichloroethane	0.52	U	20.0	18.9		ug/L		94	66 - 130
1,2-Dichloroethane	0.57	U	20.0	17.8		ug/L		89	70 - 130
1,1,1,2-Tetrachloroethane	0.63	U	20.0	22.6		ug/L		113	70 - 130
1,1-Dichloroethene	0.45	U	20.0	20.5		ug/L		103	51 - 150
cis-1,2-Dichloroethene	0.65	U	20.0	17.3		ug/L		86	66 - 130
trans-1,2-Dichloroethene	0.44	U	20.0	18.7		ug/L		94	62 - 139
1,2-Dichloropropane	0.52	U	20.0	19.2		ug/L		96	70 - 130
1,3-Dichloropropane	0.39	U	20.0	19.7		ug/L		99	70 - 130
2,2-Dichloropropane	0.36	U	20.0	19.0		ug/L		95	66 - 134
1,1-Dichloropropene	0.31	U	20.0	17.2		ug/L		86	65 - 136
cis-1,3-Dichloropropene	0.14	U	20.0	20.3		ug/L		102	70 - 130
trans-1,3-Dichloropropene	0.14	U	20.0	20.8		ug/L		104	67 - 130
Ethylbenzene	0.44	U	20.0	22.3		ug/L		112	70 - 130
Hexachlorobutadiene	0.40	U	20.0	24.6		ug/L		123	62 - 143
Isopropylbenzene	0.19	U	20.0	22.5		ug/L		112	62 - 130
4-Isopropyltoluene	0.69	U	20.0	23.2		ug/L		116	65 - 134
Methylene Chloride	4.0	U	20.0	16.0		ug/L		80	57 - 130
Naphthalene	2.5	U	20.0	21.3		ug/L		106	50 - 136
N-Propylbenzene	0.59	U	20.0	22.8		ug/L		114	67 - 130
Styrene	0.98	U	20.0	24.3		ug/L		121	68 - 131
1,1,2,2-Tetrachloroethane	0.15	U	20.0	24.0		ug/L		120	70 - 130
Tetrachloroethene	0.50	U	20.0	15.7		ug/L		78	50 - 143
Toluene	1.0	U	20.0	19.9		ug/L		100	70 - 131
1,2,3-Trichlorobenzene	0.77	U	20.0	24.1		ug/L		120	58 - 132

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

Lab Sample ID: 660-43364-D-2 MS
Matrix: Water
Analysis Batch: 114876

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
1,2,4-Trichlorobenzene	0.58	U	20.0	25.1		ug/L		125	66 - 130
1,1,1-Trichloroethane	0.46	U	20.0	17.4		ug/L		87	63 - 132
1,1,2-Trichloroethane	0.47	U	20.0	19.1		ug/L		96	70 - 130
Trichloroethene	0.50	U	20.0	18.6		ug/L		93	63 - 139
Trichlorofluoromethane	2.5	U	20.0	15.4		ug/L		77	62 - 146
1,2,3-Trichloropropane	0.18	U	20.0	22.6		ug/L		113	66 - 130
1,2,4-Trimethylbenzene	0.86	U	20.0	23.6		ug/L		118	70 - 132
1,3,5-Trimethylbenzene	0.54	U	20.0	23.3		ug/L		116	65 - 134
Vinyl chloride	0.50	U	20.0	14.0		ug/L		70	48 - 147
o-Xylene	0.50	U	20.0	23.9		ug/L		119	69 - 130
2-Butanone (MEK)	8.4	U	40.0	32.4		ug/L		81	63 - 140
4-Methyl-2-pentanone (MIBK)	3.8	U	40.0	39.2		ug/L		98	64 - 137
Carbon disulfide	1.0	U	40.0	28.4		ug/L		71	30 - 150
2-Hexanone	4.4	U	40.0	36.7		ug/L		92	60 - 148
Methyl tert-butyl ether	0.44	U	40.0	33.6		ug/L		84	67 - 130

Surrogate	*MS % Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*94*		*70 - 130*
4-Bromofluorobenzene	*100*		*70 - 130*
Dibromofluoromethane	*96*		*70 - 130*

Lab Sample ID: 660-43364-D-1 DU
Matrix: Water
Analysis Batch: 114876

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Acetone	9.9	U	9.9	U	ug/L		NC	30
Benzene	0.50	U	0.50	U	ug/L		NC	30
Bromobenzene	0.58	U	0.58	U	ug/L		NC	30
Chlorobromomethane	0.58	U	0.58	U	ug/L		NC	30
Dichlorobromomethane	0.35	U	0.35	U	ug/L		NC	30
Bromoform	0.58	U	0.58	U	ug/L		NC	30
Bromomethane	2.5	U	2.5	U	ug/L		NC	30
n-Butylbenzene	0.67	U	0.67	U	ug/L		NC	30
sec-Butylbenzene	0.63	U	0.63	U	ug/L		NC	30
tert-Butylbenzene	0.84	U	0.84	U	ug/L		NC	30
Carbon tetrachloride	0.42	U	0.42	U	ug/L		NC	30
Chlorobenzene	0.63	U	0.63	U	ug/L		NC	30
Chloroethane	2.5	U	2.5	U	ug/L		NC	30
Chloroform	0.90	U	0.90	U	ug/L		NC	30
Chloromethane	1.0	U	1.0	U	ug/L		NC	30
2-Chlorotoluene	0.65	U	0.65	U	ug/L		NC	30
4-Chlorotoluene	0.52	U	0.52	U	ug/L		NC	30
Chlorodibromomethane	0.34	U	0.34	U	ug/L		NC	30
1,2-Dibromo-3-Chloropropane	2.5	U	2.5	U	ug/L		NC	30
Ethylene Dibromide	0.50	U	0.50	U	ug/L		NC	30
Dibromomethane	0.41	U	0.41	U	ug/L		NC	30
1,2-Dichlorobenzene	0.44	U	0.44	U	ug/L		NC	30
1,3-Dichlorobenzene	0.64	U	0.64	U	ug/L		NC	30

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

Lab Sample ID: 660-43364-D-1 DU
Matrix: Water
Analysis Batch: 114876

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
1,4-Dichlorobenzene	0.78	I J3		0.542	I J3	ug/L				37	30
Dichlorodifluoromethane	2.5	U		2.5	U	ug/L				NC	30
1,1-Dichloroethane	0.52	U		0.52	U	ug/L				NC	30
1,2-Dichloroethane	0.57	U		0.57	U	ug/L				NC	30
1,1,1,2-Tetrachloroethane	0.63	U		0.63	U	ug/L				NC	30
1,1-Dichloroethene	0.45	U		0.45	U	ug/L				NC	30
cis-1,2-Dichloroethene	0.65	U		0.65	U	ug/L				NC	30
trans-1,2-Dichloroethene	0.44	U		0.44	U	ug/L				NC	30
1,2-Dichloropropane	0.52	U		0.52	U	ug/L				NC	30
1,3-Dichloropropane	0.39	U		0.39	U	ug/L				NC	30
2,2-Dichloropropane	0.36	U		0.36	U	ug/L				NC	30
1,1-Dichloropropene	0.31	U		0.31	U	ug/L				NC	30
cis-1,3-Dichloropropene	0.14	U		0.14	U	ug/L				NC	30
trans-1,3-Dichloropropene	0.14	U		0.14	U	ug/L				NC	30
Ethylbenzene	0.44	U		0.44	U	ug/L				NC	30
Hexachlorobutadiene	0.40	U		0.40	U	ug/L				NC	30
Isopropylbenzene	0.19	U		0.19	U	ug/L				NC	30
4-Isopropyltoluene	0.69	U		0.69	U	ug/L				NC	30
Methylene Chloride	4.0	U		4.0	U	ug/L				NC	30
Naphthalene	2.5	U		2.5	U	ug/L				NC	30
N-Propylbenzene	0.59	U		0.59	U	ug/L				NC	30
Styrene	0.98	U		0.98	U	ug/L				NC	30
1,1,2,2-Tetrachloroethane	0.15	U		0.15	U	ug/L				NC	30
Tetrachloroethene	0.50	U		0.50	U	ug/L				NC	30
Toluene	1.0	U		1.0	U	ug/L				NC	30
1,2,3-Trichlorobenzene	0.77	U		0.77	U	ug/L				NC	30
1,2,4-Trichlorobenzene	0.58	U		0.58	U	ug/L				NC	30
1,1,1-Trichloroethane	0.46	U		0.46	U	ug/L				NC	30
1,1,2-Trichloroethane	0.47	U		0.47	U	ug/L				NC	30
Trichloroethene	0.50	U		0.50	U	ug/L				NC	30
Trichlorofluoromethane	2.5	U		2.5	U	ug/L				NC	30
1,2,3-Trichloropropane	0.18	U		0.18	U	ug/L				NC	30
1,2,4-Trimethylbenzene	0.86	U		0.86	U	ug/L				NC	30
1,3,5-Trimethylbenzene	0.54	U		0.54	U	ug/L				NC	30
Vinyl chloride	0.50	U		0.50	U	ug/L				NC	30
o-Xylene	0.50	U		0.50	U	ug/L				NC	30
2-Butanone (MEK)	8.4	U		8.4	U	ug/L				NC	30
4-Methyl-2-pentanone (MIBK)	3.8	U		3.8	U	ug/L				NC	30
Carbon disulfide	1.0	U		1.0	U	ug/L				NC	30
2-Hexanone	4.4	U		4.4	U	ug/L				NC	30
Methyl tert-butyl ether	0.44	U		0.44	U	ug/L				NC	30
m-Xylene & p-Xylene	0.60	U		0.60	U	ug/L				NC	30

Surrogate	*DU % Recovery*	*DU Qualifier*	*Limits*
Toluene-d8 (Surr)	*99*		*70 - 130*
4-Bromofluorobenzene	*99*		*70 - 130*
Dibromofluoromethane	*97*		*70 - 130*

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

Lab Sample ID: MB 660-114881/12
Matrix: Water
Analysis Batch: 114881

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			09/12/11 13:05	1
Benzene	0.50	U	1.0	0.50	ug/L			09/12/11 13:05	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			09/12/11 13:05	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			09/12/11 13:05	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			09/12/11 13:05	1
Bromoform	0.58	U	1.0	0.58	ug/L			09/12/11 13:05	1
Bromomethane	2.5	U	5.0	2.5	ug/L			09/12/11 13:05	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			09/12/11 13:05	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			09/12/11 13:05	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			09/12/11 13:05	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			09/12/11 13:05	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			09/12/11 13:05	1
Chloroethane	2.5	U	5.0	2.5	ug/L			09/12/11 13:05	1
Chloroform	0.90	U	1.0	0.90	ug/L			09/12/11 13:05	1
Chloromethane	1.0	U	4.0	1.0	ug/L			09/12/11 13:05	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			09/12/11 13:05	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			09/12/11 13:05	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			09/12/11 13:05	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			09/12/11 13:05	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			09/12/11 13:05	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			09/12/11 13:05	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			09/12/11 13:05	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			09/12/11 13:05	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			09/12/11 13:05	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			09/12/11 13:05	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			09/12/11 13:05	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			09/12/11 13:05	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			09/12/11 13:05	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			09/12/11 13:05	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			09/12/11 13:05	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			09/12/11 13:05	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			09/12/11 13:05	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			09/12/11 13:05	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			09/12/11 13:05	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			09/12/11 13:05	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			09/12/11 13:05	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			09/12/11 13:05	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			09/12/11 13:05	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			09/12/11 13:05	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			09/12/11 13:05	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			09/12/11 13:05	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			09/12/11 13:05	1
Naphthalene	2.5	U	5.0	2.5	ug/L			09/12/11 13:05	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			09/12/11 13:05	1
Styrene	0.98	U	2.0	0.98	ug/L			09/12/11 13:05	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			09/12/11 13:05	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			09/12/11 13:05	1
Toluene	1.0	U	1.0	1.0	ug/L			09/12/11 13:05	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			09/12/11 13:05	1

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

Lab Sample ID: MB 660-114881/12
Matrix: Water
Analysis Batch: 114881

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			09/12/11 13:05	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			09/12/11 13:05	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			09/12/11 13:05	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			09/12/11 13:05	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			09/12/11 13:05	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			09/12/11 13:05	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			09/12/11 13:05	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			09/12/11 13:05	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			09/12/11 13:05	1
o-Xylene	0.50	U	1.0	0.50	ug/L			09/12/11 13:05	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			09/12/11 13:05	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			09/12/11 13:05	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			09/12/11 13:05	1
2-Hexanone	4.4	U	10	4.4	ug/L			09/12/11 13:05	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			09/12/11 13:05	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			09/12/11 13:05	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*70 - 130*		*09/12/11 13:05*	*1*
4-Bromofluorobenzene	*100*		*70 - 130*		*09/12/11 13:05*	*1*
Dibromofluoromethane	*100*		*70 - 130*		*09/12/11 13:05*	*1*

Lab Sample ID: LCS 660-114881/11
Matrix: Water
Analysis Batch: 114881

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	40.0	52.1		ug/L		130	62 - 142
Benzene	20.0	19.3		ug/L		97	68 - 134
Bromobenzene	20.0	20.5		ug/L		102	70 - 130
Chlorobromomethane	20.0	19.5		ug/L		98	70 - 130
Dichlorobromomethane	20.0	19.3		ug/L		97	70 - 130
Bromoform	20.0	19.0		ug/L		95	65 - 130
Bromomethane	20.0	27.9		ug/L		139	22 - 150
n-Butylbenzene	20.0	19.9		ug/L		100	61 - 131
sec-Butylbenzene	20.0	17.7		ug/L		88	68 - 133
tert-Butylbenzene	20.0	19.7		ug/L		98	64 - 130
Carbon tetrachloride	20.0	16.1		ug/L		81	61 - 134
Chlorobenzene	20.0	19.7		ug/L		99	70 - 130
Chloroethane	20.0	23.7		ug/L		119	39 - 150
Chloroform	20.0	18.7		ug/L		94	68 - 130
Chloromethane	20.0	21.3		ug/L		107	35 - 150
2-Chlorotoluene	20.0	19.0		ug/L		95	70 - 130
4-Chlorotoluene	20.0	19.1		ug/L		95	70 - 130
Chlorodibromomethane	20.0	19.1		ug/L		96	70 - 130
1,2-Dibromo-3-Chloropropane	20.0	19.4		ug/L		97	63 - 130
Ethylene Dibromide	20.0	19.3		ug/L		96	66 - 130
Dibromomethane	20.0	20.0		ug/L		100	70 - 130
1,2-Dichlorobenzene	20.0	20.0		ug/L		100	70 - 130

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

Lab Sample ID: LCS 660-114881/11
Matrix: Water
Analysis Batch: 114881

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
1,3-Dichlorobenzene	20.0	20.8		ug/L		104	70 - 130
1,4-Dichlorobenzene	20.0	19.8		ug/L		99	70 - 130
Dichlorodifluoromethane	20.0	20.9		ug/L		104	16 - 149
1,1-Dichloroethane	20.0	19.4		ug/L		97	66 - 130
1,2-Dichloroethane	20.0	19.7		ug/L		98	70 - 130
1,1,1,2-Tetrachloroethane	20.0	19.3		ug/L		96	70 - 130
1,1-Dichloroethene	20.0	22.2		ug/L		111	51 - 150
cis-1,2-Dichloroethene	20.0	19.9		ug/L		100	66 - 130
trans-1,2-Dichloroethene	20.0	21.2		ug/L		106	62 - 139
1,2-Dichloropropane	20.0	19.0		ug/L		95	70 - 130
1,3-Dichloropropane	20.0	19.8		ug/L		99	70 - 130
2,2-Dichloropropane	20.0	18.7		ug/L		94	66 - 134
1,1-Dichloropropene	20.0	17.6		ug/L		88	65 - 136
cis-1,3-Dichloropropene	20.0	20.6		ug/L		103	70 - 130
trans-1,3-Dichloropropene	20.0	20.4		ug/L		102	67 - 130
Ethylbenzene	20.0	19.8		ug/L		99	70 - 130
Hexachlorobutadiene	20.0	22.9		ug/L		115	62 - 143
Isopropylbenzene	20.0	20.0		ug/L		100	62 - 130
4-Isopropyltoluene	20.0	20.3		ug/L		102	65 - 134
Methylene Chloride	20.0	19.7		ug/L		98	57 - 130
Naphthalene	20.0	20.4		ug/L		102	50 - 136
N-Propylbenzene	20.0	17.1		ug/L		86	67 - 130
Styrene	20.0	20.7		ug/L		103	68 - 131
1,1,2,2-Tetrachloroethane	20.0	18.7		ug/L		93	70 - 130
Tetrachloroethene	20.0	19.8		ug/L		99	50 - 143
Toluene	20.0	19.4		ug/L		97	70 - 131
1,2,3-Trichlorobenzene	20.0	20.0		ug/L		100	58 - 132
1,2,4-Trichlorobenzene	20.0	20.4		ug/L		102	66 - 130
1,1,1-Trichloroethane	20.0	16.6		ug/L		83	63 - 132
1,1,2-Trichloroethane	20.0	19.4		ug/L		97	70 - 130
Trichloroethene	20.0	19.4		ug/L		97	63 - 139
Trichlorofluoromethane	20.0	24.2		ug/L		121	62 - 146
1,2,3-Trichloropropane	20.0	19.2		ug/L		96	66 - 130
1,2,4-Trimethylbenzene	20.0	20.7		ug/L		104	70 - 132
1,3,5-Trimethylbenzene	20.0	19.7		ug/L		98	65 - 134
Vinyl chloride	20.0	22.2		ug/L		111	48 - 147
o-Xylene	20.0	20.0		ug/L		100	69 - 130
2-Butanone (MEK)	40.0	44.6		ug/L		111	63 - 140
4-Methyl-2-pentanone (MIBK)	40.0	37.3		ug/L		93	64 - 137
Carbon disulfide	40.0	29.6		ug/L		74	30 - 150
2-Hexanone	40.0	39.4		ug/L		99	60 - 148
Methyl tert-butyl ether	40.0	39.3		ug/L		98	67 - 130

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*100*		*70 - 130*
4-Bromofluorobenzene	*101*		*70 - 130*
Dibromofluoromethane	*101*		*70 - 130*

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

Lab Sample ID: 660-43225-B-5 MS
Matrix: Water
Analysis Batch: 114881

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	9.9	U	200	173		ug/L		87	62 - 142
Benzene	0.50	U J3	100	71.8		ug/L		72	68 - 134
Bromobenzene	0.58	U	100	80.2		ug/L		80	70 - 130
Chlorobromomethane	0.58	U	100	82.3		ug/L		82	70 - 130
Dichlorobromomethane	0.35	U	100	73.5		ug/L		73	70 - 130
Bromoform	0.58	U	100	77.2		ug/L		77	65 - 130
Bromomethane	2.5	U	100	104		ug/L		104	22 - 150
n-Butylbenzene	0.67	U J3	100	71.6		ug/L		72	61 - 131
sec-Butylbenzene	0.63	U J3	100	63.2	J3	ug/L		63	68 - 133
tert-Butylbenzene	0.84	U J3	100	71.4		ug/L		71	64 - 130
Carbon tetrachloride	0.42	U J3	100	54.3	J3	ug/L		54	61 - 134
Chlorobenzene	8.0		100	80.1		ug/L		72	70 - 130
Chloroethane	2.5	U J3	100	301	J3	ug/L		301	39 - 150
Chloroform	0.90	U	100	73.1		ug/L		73	68 - 130
Chloromethane	1.0	U J3	100	77.1		ug/L		77	35 - 150
2-Chlorotoluene	0.65	U J3	100	70.5		ug/L		71	70 - 130
4-Chlorotoluene	0.52	U J3	100	70.2		ug/L		70	70 - 130
Chlorodibromomethane	0.34	U	100	75.7		ug/L		76	70 - 130
1,2-Dibromo-3-Chloropropane	2.5	U	100	78.6		ug/L		79	63 - 130
Ethylene Dibromide	0.50	U	100	81.6		ug/L		82	66 - 130
Dibromomethane	0.41	U	100	81.0		ug/L		81	70 - 130
1,2-Dichlorobenzene	0.44	U	100	77.9		ug/L		78	70 - 130
1,3-Dichlorobenzene	0.64	U	100	79.2		ug/L		79	70 - 130
1,4-Dichlorobenzene	0.53	I	100	75.5		ug/L		75	70 - 130
Dichlorodifluoromethane	2.5	U J3	100	75.9		ug/L		76	16 - 149
1,1-Dichloroethane	0.52	U	100	71.7		ug/L		72	66 - 130
1,2-Dichloroethane	0.57	U	100	84.7		ug/L		85	70 - 130
1,1,1,2-Tetrachloroethane	0.63	U	100	74.9		ug/L		75	70 - 130
1,1-Dichloroethene	0.45	U J3	100	73.5		ug/L		74	51 - 150
cis-1,2-Dichloroethene	0.65	U	100	73.7		ug/L		74	66 - 130
trans-1,2-Dichloroethene	0.44	U J3	100	73.8		ug/L		74	62 - 139
1,2-Dichloropropane	0.52	U	100	73.4		ug/L		73	70 - 130
1,3-Dichloropropane	0.39	U	100	82.2		ug/L		82	70 - 130
2,2-Dichloropropane	0.36	U J3	100	68.7		ug/L		69	66 - 134
1,1-Dichloropropene	0.31	U J3	100	59.7	J3	ug/L		60	65 - 136
cis-1,3-Dichloropropene	0.14	U	100	78.9		ug/L		79	70 - 130
trans-1,3-Dichloropropene	0.14	U	100	78.8		ug/L		79	67 - 130
Ethylbenzene	0.44	U J3	100	70.4		ug/L		70	70 - 130
Hexachlorobutadiene	0.40	U	100	83.2		ug/L		83	62 - 143
Isopropylbenzene	0.19	U J3	100	71.0		ug/L		71	62 - 130
4-Isopropyltoluene	0.69	U J3	100	73.5		ug/L		74	65 - 134
Methylene Chloride	4.0	U	100	77.8		ug/L		78	57 - 130
Naphthalene	2.5	U	100	83.8		ug/L		84	50 - 136
N-Propylbenzene	0.59	U J3	100	60.5	J3	ug/L		60	67 - 130
Styrene	0.98	U	100	78.5		ug/L		78	68 - 131
1,1,2,2-Tetrachloroethane	0.15	U	100	78.3		ug/L		78	70 - 130
Tetrachloroethene	0.50	U J3	100	68.9		ug/L		69	50 - 143
Toluene	1.0	U J3	100	70.1		ug/L		70	70 - 131
1,2,3-Trichlorobenzene	0.77	U	100	81.2		ug/L		81	58 - 132

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

Lab Sample ID: 660-43225-B-5 MS
Matrix: Water
Analysis Batch: 114881

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
1,2,4-Trichlorobenzene	0.58	U	100	79.6		ug/L		80	66 - 130
1,1,1-Trichloroethane	0.46	U J3	100	59.7	J3	ug/L		60	63 - 132
1,1,2-Trichloroethane	0.47	U	100	81.4		ug/L		81	70 - 130
Trichloroethene	0.50	U J3	100	66.7		ug/L		67	63 - 139
Trichlorofluoromethane	2.5	U J3	100	94.2		ug/L		94	62 - 146
1,2,3-Trichloropropane	0.18	U	100	82.5		ug/L		83	66 - 130
1,2,4-Trimethylbenzene	0.86	U J3	100	75.6		ug/L		76	70 - 132
1,3,5-Trimethylbenzene	0.54	U J3	100	70.0		ug/L		70	65 - 134
Vinyl chloride	0.50	U J3	100	80.3		ug/L		80	48 - 147
o-Xylene	0.50	U J3	100	74.4		ug/L		74	69 - 130
2-Butanone (MEK)	8.4	U	200	166		ug/L		83	63 - 140
4-Methyl-2-pentanone (MIBK)	3.8	U	200	164		ug/L		82	64 - 137
Carbon disulfide	1.0	I J3	200	105		ug/L		52	30 - 150
2-Hexanone	4.4	U	200	156		ug/L		78	60 - 148
Methyl tert-butyl ether	0.44	U	200	169		ug/L		84	67 - 130

Surrogate	*MS % Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*100*		*70 - 130*
4-Bromofluorobenzene	*100*		*70 - 130*
Dibromofluoromethane	*103*		*70 - 130*

Lab Sample ID: 660-43225-B-5 MSD
Matrix: Water
Analysis Batch: 114881

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Acetone	9.9	U	200	194		ug/L		97	62 - 142	12	30
Benzene	0.50	U J3	100	98.3	J3	ug/L		98	68 - 134	31	30
Bromobenzene	0.58	U	100	98.8		ug/L		99	70 - 130	21	30
Chlorobromomethane	0.58	U	100	91.5		ug/L		92	70 - 130	11	30
Dichlorobromomethane	0.35	U	100	93.4		ug/L		93	70 - 130	24	30
Bromoform	0.58	U	100	82.5		ug/L		82	65 - 130	7	30
Bromomethane	2.5	U	100	126		ug/L		126	22 - 150	19	30
n-Butylbenzene	0.67	U J3	100	107	J3	ug/L		107	61 - 131	40	30
sec-Butylbenzene	0.63	U J3	100	97.3	J3	ug/L		97	68 - 133	42	30
tert-Butylbenzene	0.84	U J3	100	112	J3	ug/L		112	64 - 130	44	30
Carbon tetrachloride	0.42	U J3	100	91.3	J3	ug/L		91	61 - 134	51	30
Chlorobenzene	8.0		100	104		ug/L		96	70 - 130	26	30
Chloroethane	2.5	U J3	100	303	J3	ug/L		303	39 - 150	1	30
Chloroform	0.90	U	100	92.1		ug/L		92	68 - 130	23	30
Chloromethane	1.0	U J3	100	109	J3	ug/L		109	35 - 150	35	30
2-Chlorotoluene	0.65	U J3	100	100	J3	ug/L		100	70 - 130	35	30
4-Chlorotoluene	0.52	U J3	100	99.0	J3	ug/L		99	70 - 130	34	30
Chlorodibromomethane	0.34	U	100	87.5		ug/L		87	70 - 130	14	30
1,2-Dibromo-3-Chloropropane	2.5	U	100	85.6		ug/L		86	63 - 130	8	30
Ethylene Dibromide	0.50	U	100	91.6		ug/L		92	66 - 130	12	30
Dibromomethane	0.41	U	100	89.6		ug/L		90	70 - 130	10	30
1,2-Dichlorobenzene	0.44	U	100	95.1		ug/L		95	70 - 130	20	30
1,3-Dichlorobenzene	0.64	U	100	104		ug/L		104	70 - 130	27	30

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

Lab Sample ID: 660-43225-B-5 MSD
Matrix: Water
Analysis Batch: 114881

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
1,4-Dichlorobenzene	0.53	I	100	97.4		ug/L		97	70 - 130	25	30
Dichlorodifluoromethane	2.5	U J3	100	132	J3	ug/L		132	16 - 149	54	30
1,1-Dichloroethane	0.52	U	100	96.4		ug/L		96	66 - 130	29	30
1,2-Dichloroethane	0.57	U	100	90.8		ug/L		91	70 - 130	7	30
1,1,1,2-Tetrachloroethane	0.63	U	100	92.3		ug/L		92	70 - 130	21	30
1,1-Dichloroethene	0.45	U J3	100	131	J3	ug/L		131	51 - 150	57	30
cis-1,2-Dichloroethene	0.65	U	100	95.4		ug/L		95	66 - 130	26	30
trans-1,2-Dichloroethene	0.44	U J3	100	110	J3	ug/L		110	62 - 139	39	30
1,2-Dichloropropane	0.52	U	100	94.6		ug/L		95	70 - 130	25	30
1,3-Dichloropropane	0.39	U	100	91.3		ug/L		91	70 - 130	11	30
2,2-Dichloropropane	0.36	U J3	100	101	J3	ug/L		101	66 - 134	38	30
1,1-Dichloropropene	0.31	U J3	100	97.5	J3	ug/L		98	65 - 136	48	30
cis-1,3-Dichloropropene	0.14	U	100	95.2		ug/L		95	70 - 130	19	30
trans-1,3-Dichloropropene	0.14	U	100	92.7		ug/L		93	67 - 130	16	30
Ethylbenzene	0.44	U J3	100	103	J3	ug/L		103	70 - 130	38	30
Hexachlorobutadiene	0.40	U	100	112		ug/L		112	62 - 143	30	30
Isopropylbenzene	0.19	U J3	100	108	J3	ug/L		108	62 - 130	42	30
4-Isopropyltoluene	0.69	U J3	100	109	J3	ug/L		109	65 - 134	39	30
Methylene Chloride	4.0	U	100	90.4		ug/L		90	57 - 130	15	30
Naphthalene	2.5	U	100	94.3		ug/L		94	50 - 136	12	30
N-Propylbenzene	0.59	U J3	100	93.5	J3	ug/L		94	67 - 130	43	30
Styrene	0.98	U	100	100		ug/L		100	68 - 131	24	30
1,1,2,2-Tetrachloroethane	0.15	U	100	83.4		ug/L		83	70 - 130	6	30
Tetrachloroethene	0.50	U J3	100	111	J3	ug/L		111	50 - 143	47	30
Toluene	1.0	U J3	100	103	J3	ug/L		103	70 - 131	38	30
1,2,3-Trichlorobenzene	0.77	U	100	93.9		ug/L		94	58 - 132	14	30
1,2,4-Trichlorobenzene	0.58	U	100	98.4		ug/L		98	66 - 130	21	30
1,1,1-Trichloroethane	0.46	U J3	100	93.4	J3	ug/L		93	63 - 132	44	30
1,1,2-Trichloroethane	0.47	U	100	91.6		ug/L		92	70 - 130	12	30
Trichloroethene	0.50	U J3	100	109	J3	ug/L		109	63 - 139	48	30
Trichlorofluoromethane	2.5	U J3	100	144	J3	ug/L		144	62 - 146	42	30
1,2,3-Trichloropropane	0.18	U	100	87.5		ug/L		88	66 - 130	6	30
1,2,4-Trimethylbenzene	0.86	U J3	100	107	J3	ug/L		107	70 - 132	34	30
1,3,5-Trimethylbenzene	0.54	U J3	100	104	J3	ug/L		104	65 - 134	39	30
Vinyl chloride	0.50	U J3	100	123	J3	ug/L		123	48 - 147	42	30
o-Xylene	0.50	U J3	100	103	J3	ug/L		103	69 - 130	32	30
2-Butanone (MEK)	8.4	U	200	178		ug/L		89	63 - 140	7	30
4-Methyl-2-pentanone (MIBK)	3.8	U	200	185		ug/L		92	64 - 137	12	30
Carbon disulfide	1.0	I J3	200	161	J3	ug/L		80	30 - 150	42	30
2-Hexanone	4.4	U	200	178		ug/L		89	60 - 148	13	30
Methyl tert-butyl ether	0.44	U	200	181		ug/L		90	67 - 130	7	30

Surrogate	*MSD % Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*100*		*70 - 130*
4-Bromofluorobenzene	*98*		*70 - 130*
Dibromofluoromethane	*99*		*70 - 130*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Lab Sample ID: MB 660-114651/4 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 114651

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			09/02/11 17:43	1

Lab Sample ID: LCS 660-114651/3 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 114651

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
1,4-Dioxane	25.0	23.5		ug/L		94	50 - 150

Lab Sample ID: 660-43315-E-1 MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 114651

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
1,4-Dioxane	1.0	U	25.0	19.8		ug/L		79	50 - 150

Lab Sample ID: 660-43315-E-1 MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 114651

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
1,4-Dioxane	1.0	U	25.0	24.2		ug/L		97	50 - 150	20	50

Lab Sample ID: MB 660-114874/5 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 114874

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			09/07/11 18:08	1

Lab Sample ID: LCS 660-114874/3 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 114874

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
1,4-Dioxane	25.0	25.9		ug/L		103	50 - 150

Lab Sample ID: 660-43239-1 MS — **Client Sample ID: EW-101**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 114874

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
1,4-Dioxane	8.2		25.0	29.0		ug/L		83	50 - 150

Lab Sample ID: 660-43239-1 MSD — **Client Sample ID: EW-101**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 114874

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
1,4-Dioxane	8.2		25.0	33.7		ug/L		102	50 - 150	15	50

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 660-114471/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 114569 — **Prep Batch: 114471**

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.050	U	0.20	0.050	mg/L		09/01/11 09:42	09/02/11 09:56	1
Arsenic	0.0040	U	0.010	0.0040	mg/L		09/01/11 09:42	09/02/11 09:56	1
Beryllium	0.00050	U	0.0020	0.00050	mg/L		09/01/11 09:42	09/02/11 09:56	1
Cadmium	0.0010	U	0.0040	0.0010	mg/L		09/01/11 09:42	09/02/11 09:56	1
Chromium	0.0020	U	0.010	0.0020	mg/L		09/01/11 09:42	09/02/11 09:56	1
Copper	0.0029	U	0.010	0.0029	mg/L		09/01/11 09:42	09/02/11 09:56	1
Iron	0.050	U	0.20	0.050	mg/L		09/01/11 09:42	09/02/11 09:56	1
Nickel	0.0020	U	0.0080	0.0020	mg/L		09/01/11 09:42	09/02/11 09:56	1
Lead	0.0020	U	0.010	0.0020	mg/L		09/01/11 09:42	09/02/11 09:56	1
Zinc	0.0050	U	0.020	0.0050	mg/L		09/01/11 09:42	09/02/11 09:56	1

Lab Sample ID: LCS 660-114471/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 114569 — **Prep Batch: 114471**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Aluminum	1.00	1.05		mg/L		105	75 - 125
Arsenic	1.00	1.04		mg/L		104	75 - 125
Beryllium	1.00	1.06		mg/L		106	75 - 125
Cadmium	1.00	1.08		mg/L		108	75 - 125
Chromium	1.00	1.04		mg/L		104	75 - 125
Copper	1.00	1.06		mg/L		106	75 - 125
Iron	1.00	1.07		mg/L		107	75 - 125
Nickel	1.00	1.09		mg/L		109	75 - 125
Lead	1.00	1.10		mg/L		110	75 - 125
Zinc	1.00	1.05		mg/L		105	75 - 125

Lab Sample ID: 660-43239-1 MS — **Client Sample ID: EW-101**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 114569 — **Prep Batch: 114471**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Aluminum	0.098	I	1.00	1.14		mg/L		104	75 - 125
Arsenic	0.0071	I	1.00	1.05		mg/L		105	75 - 125
Beryllium	0.00050	U	1.00	1.07		mg/L		107	75 - 125
Cadmium	0.0010	U	1.00	1.08		mg/L		108	75 - 125
Chromium	0.0020	U	1.00	1.03		mg/L		103	75 - 125
Copper	0.0029	U	1.00	1.07		mg/L		107	75 - 125
Iron	4.3		1.00	5.29		mg/L		100	75 - 125
Nickel	0.015		1.00	1.09		mg/L		107	75 - 125
Lead	0.0020	U	1.00	1.08		mg/L		108	75 - 125
Zinc	0.0050	U	1.00	1.04		mg/L		104	75 - 125

Lab Sample ID: 660-43239-1 MSD — **Client Sample ID: EW-101**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 114569 — **Prep Batch: 114471**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Aluminum	0.098	I	1.00	1.16		mg/L		106	75 - 125	2	20
Arsenic	0.0071	I	1.00	1.06		mg/L		105	75 - 125	1	20

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

Lab Sample ID: 660-43239-1 MSD
Matrix: Water
Analysis Batch: 114569

Client Sample ID: EW-101
Prep Type: Total Recoverable
Prep Batch: 114471

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Beryllium	0.00050	U	1.00	1.08		mg/L		108	75 - 125	1	20
Cadmium	0.0010	U	1.00	1.09		mg/L		109	75 - 125	1	20
Chromium	0.0020	U	1.00	1.04		mg/L		104	75 - 125	1	20
Copper	0.0029	U	1.00	1.08		mg/L		108	75 - 125	0	20
Iron	4.3		1.00	5.29		mg/L		100	75 - 125	0	20
Nickel	0.015		1.00	1.10		mg/L		108	75 - 125	1	20
Lead	0.0020	U	1.00	1.09		mg/L		109	75 - 125	1	20
Zinc	0.0050	U	1.00	1.05		mg/L		105	75 - 125	1	20

GC/MS VOA

Analysis Batch: 114651

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-43239-2	EW-102	Total/NA	Water	8260C _SIM/ID	
660-43239-3	EW-103	Total/NA	Water	8260C _SIM/ID	
660-43239-6	EW-106	Total/NA	Water	8260C _SIM/ID	
660-43239-7	EW-107	Total/NA	Water	8260C _SIM/ID	
660-43239-8	EW-108	Total/NA	Water	8260C _SIM/ID	
660-43239-9	EW-109	Total/NA	Water	8260C _SIM/ID	
660-43239-10	EW-110	Total/NA	Water	8260C _SIM/ID	
660-43239-11	IWI-2	Total/NA	Water	8260C _SIM/ID	
660-43239-12	MW-85	Total/NA	Water	8260C _SIM/ID	
660-43315-E-1 MS	Matrix Spike	Total/NA	Water	8260C _SIM/ID	
660-43315-E-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8260C _SIM/ID	
LCS 660-114651/3	Lab Control Sample	Total/NA	Water	8260C _SIM/ID	
MB 660-114651/4	Method Blank	Total/NA	Water	8260C _SIM/ID	

Analysis Batch: 114790

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-43239-7	EW-107	Total/NA	Water	8260B	
660-43239-9	EW-109	Total/NA	Water	8260B	
660-43239-10	EW-110	Total/NA	Water	8260B	
660-43239-11	IWI-2	Total/NA	Water	8260B	
660-43239-12	MW-85	Total/NA	Water	8260B	
660-43265-F-6 DU	Duplicate	Total/NA	Water	8260B	
660-43265-H-7 MS	Matrix Spike	Total/NA	Water	8260B	
LCS 660-114790/4	Lab Control Sample	Total/NA	Water	8260B	
MB 660-114790/6	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 114816

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-43239-1 - DL	EW-101	Total/NA	Water	8260B	
660-43239-1	EW-101	Total/NA	Water	8260B	
660-43239-2	EW-102	Total/NA	Water	8260B	
660-43239-3	EW-103	Total/NA	Water	8260B	
660-43239-4 - DL	EW-104	Total/NA	Water	8260B	
660-43239-4	EW-104	Total/NA	Water	8260B	
660-43239-5 - DL	EW-105	Total/NA	Water	8260B	
660-43239-5	EW-105	Total/NA	Water	8260B	
660-43239-6 - DL	EW-106	Total/NA	Water	8260B	
660-43334-C-2 MS	Matrix Spike	Total/NA	Water	8260B	
660-43334-D-1 DU	Duplicate	Total/NA	Water	8260B	
LCS 660-114816/3	Lab Control Sample	Total/NA	Water	8260B	
MB 660-114816/5	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 114874

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-43239-1	EW-101	Total/NA	Water	8260C _SIM/ID	
660-43239-1 MS	EW-101	Total/NA	Water	8260C _SIM/ID	
660-43239-1 MSD	EW-101	Total/NA	Water	8260C _SIM/ID	
660-43239-4	EW-104	Total/NA	Water	8260C _SIM/ID	
660-43239-5	EW-105	Total/NA	Water	8260C _SIM/ID	
LCS 660-114874/3	Lab Control Sample	Total/NA	Water	8260C _SIM/ID	
MB 660-114874/5	Method Blank	Total/NA	Water	8260C _SIM/ID	

GC/MS VOA (Continued)

Analysis Batch: 114876

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-43239-6	EW-106	Total/NA	Water	8260B	
660-43364-D-1 DU	Duplicate	Total/NA	Water	8260B	
660-43364-D-2 MS	Matrix Spike	Total/NA	Water	8260B	
LCS 660-114876/3	Lab Control Sample	Total/NA	Water	8260B	
MB 660-114876/5	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 114881

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-43225-B-5 MS	Matrix Spike	Total/NA	Water	8260B	
660-43225-B-5 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	
660-43239-8	EW-108	Total/NA	Water	8260B	
660-43239-8	EW-108	Total/NA	Water	8260B	
LCS 660-114881/11	Lab Control Sample	Total/NA	Water	8260B	
MB 660-114881/12	Method Blank	Total/NA	Water	8260B	

Metals

Prep Batch: 114471

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-43239-1	EW-101	Total Recoverable	Water	3005A	
660-43239-1 MS	EW-101	Total Recoverable	Water	3005A	
660-43239-1 MSD	EW-101	Total Recoverable	Water	3005A	
660-43239-2	EW-102	Total Recoverable	Water	3005A	
660-43239-3	EW-103	Total Recoverable	Water	3005A	
660-43239-4	EW-104	Total Recoverable	Water	3005A	
660-43239-5	EW-105	Total Recoverable	Water	3005A	
660-43239-6	EW-106	Total Recoverable	Water	3005A	
660-43239-7	EW-107	Total Recoverable	Water	3005A	
660-43239-8	EW-108	Total Recoverable	Water	3005A	
660-43239-9	EW-109	Total Recoverable	Water	3005A	
660-43239-10	EW-110	Total Recoverable	Water	3005A	
LCS 660-114471/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 660-114471/1-A	Method Blank	Total Recoverable	Water	3005A	

Analysis Batch: 114569

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-43239-1	EW-101	Total Recoverable	Water	6010B	114471
660-43239-1 MS	EW-101	Total Recoverable	Water	6010B	114471
660-43239-1 MSD	EW-101	Total Recoverable	Water	6010B	114471
660-43239-2	EW-102	Total Recoverable	Water	6010B	114471
660-43239-3	EW-103	Total Recoverable	Water	6010B	114471
660-43239-4	EW-104	Total Recoverable	Water	6010B	114471
660-43239-5	EW-105	Total Recoverable	Water	6010B	114471
660-43239-6	EW-106	Total Recoverable	Water	6010B	114471
660-43239-7	EW-107	Total Recoverable	Water	6010B	114471
660-43239-8	EW-108	Total Recoverable	Water	6010B	114471
660-43239-9	EW-109	Total Recoverable	Water	6010B	114471
660-43239-10	EW-110	Total Recoverable	Water	6010B	114471
LCS 660-114471/2-A	Lab Control Sample	Total Recoverable	Water	6010B	114471
MB 660-114471/1-A	Method Blank	Total Recoverable	Water	6010B	114471

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Quarterly

TestAmerica Job ID: 660-43239-1

Client Sample ID: EW-101 — Lab Sample ID: 660-43239-1

Date Collected: 08/30/11 08:20 — **Matrix: Water**
Date Received: 08/30/11 12:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL	10	114816	09/08/11 19:41	RM	TAL TAM
Total/NA	Analysis	8260B		1	114816	09/08/11 21:47	RM	TAL TAM
Total/NA	Analysis	8260C _SIM/ID		1	114874	09/07/11 18:39	RM	TAL TAM
Total Recoverable	Prep	3005A			114471	09/01/11 09:42	GF	TAL TAM
Total Recoverable	Analysis	6010B		1	114569	09/02/11 10:05	GF	TAL TAM

Client Sample ID: EW-102 — Lab Sample ID: 660-43239-2

Date Collected: 08/30/11 08:25 — **Matrix: Water**
Date Received: 08/30/11 12:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C _SIM/ID		1	114651	09/02/11 23:19	TP	TAL TAM
Total/NA	Analysis	8260B		1	114816	09/08/11 20:02	RM	TAL TAM
Total Recoverable	Prep	3005A			114471	09/01/11 09:42	GF	TAL TAM
Total Recoverable	Analysis	6010B		1	114569	09/02/11 10:24	GF	TAL TAM

Client Sample ID: EW-103 — Lab Sample ID: 660-43239-3

Date Collected: 08/30/11 08:30 — **Matrix: Water**
Date Received: 08/30/11 12:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C _SIM/ID		1	114651	09/02/11 20:38	TP	TAL TAM
Total/NA	Analysis	8260B		1	114816	09/08/11 20:23	RM	TAL TAM
Total Recoverable	Prep	3005A			114471	09/01/11 09:42	GF	TAL TAM
Total Recoverable	Analysis	6010B		1	114569	09/02/11 10:28	GF	TAL TAM

Client Sample ID: EW-104 — Lab Sample ID: 660-43239-4

Date Collected: 08/30/11 08:35 — **Matrix: Water**
Date Received: 08/30/11 12:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL	10	114816	09/08/11 20:44	RM	TAL TAM
Total/NA	Analysis	8260B		1	114816	09/08/11 22:07	RM	TAL TAM
Total/NA	Analysis	8260C _SIM/ID		1	114874	09/07/11 19:49	RM	TAL TAM
Total Recoverable	Prep	3005A			114471	09/01/11 09:42	GF	TAL TAM
Total Recoverable	Analysis	6010B		1	114569	09/02/11 10:31	GF	TAL TAM

Client Sample ID: EW-105 — Lab Sample ID: 660-43239-5

Date Collected: 08/30/11 08:40 — **Matrix: Water**
Date Received: 08/30/11 12:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL	10	114816	09/08/11 21:05	RM	TAL TAM

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Quarterly

TestAmerica Job ID: 660-43239-1

Client Sample ID: EW-105

Lab Sample ID: 660-43239-5

Date Collected: 08/30/11 08:40
Matrix: Water
Date Received: 08/30/11 12:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	114816	09/08/11 22:28	RM	TAL TAM
Total/NA	Analysis	8260C _SIM/ID		1	114874	09/07/11 20:07	RM	TAL TAM
Total Recoverable	Prep	3005A			114471	09/01/11 09:42	GF	TAL TAM
Total Recoverable	Analysis	6010B		1	114569	09/02/11 10:34	GF	TAL TAM

Client Sample ID: EW-106

Lab Sample ID: 660-43239-6

Date Collected: 08/30/11 08:45
Matrix: Water
Date Received: 08/30/11 12:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C _SIM/ID		5	114651	09/02/11 22:27	TP	TAL TAM
Total/NA	Analysis	8260B	DL	10	114816	09/08/11 21:26	RM	TAL TAM
Total/NA	Analysis	8260B		10	114876	09/10/11 02:22	RM	TAL TAM
Total Recoverable	Prep	3005A			114471	09/01/11 09:42	GF	TAL TAM
Total Recoverable	Analysis	6010B		1	114569	09/02/11 10:37	GF	TAL TAM

Client Sample ID: EW-107

Lab Sample ID: 660-43239-7

Date Collected: 08/30/11 08:50
Matrix: Water
Date Received: 08/30/11 12:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C _SIM/ID		1	114651	09/02/11 21:13	TP	TAL TAM
Total/NA	Analysis	8260B		1	114790	09/09/11 14:32	AP	TAL TAM
Total Recoverable	Prep	3005A			114471	09/01/11 09:42	GF	TAL TAM
Total Recoverable	Analysis	6010B		1	114569	09/02/11 10:41	GF	TAL TAM

Client Sample ID: EW-108

Lab Sample ID: 660-43239-8

Date Collected: 08/30/11 08:55
Matrix: Water
Date Received: 08/30/11 12:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C _SIM/ID		10	114651	09/02/11 23:58	TP	TAL TAM
Total/NA	Analysis	8260B		10	114881	09/12/11 16:54	AP	TAL TAM
Total/NA	Analysis	8260B		1	114881	09/12/11 17:12	AP	TAL TAM
Total Recoverable	Prep	3005A			114471	09/01/11 09:42	GF	TAL TAM
Total Recoverable	Analysis	6010B		1	114569	09/02/11 10:44	GF	TAL TAM

Client Sample ID: EW-109

Lab Sample ID: 660-43239-9

Date Collected: 08/30/11 09:00
Matrix: Water
Date Received: 08/30/11 12:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C _SIM/ID		1	114651	09/02/11 20:55	TP	TAL TAM

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Quarterly

TestAmerica Job ID: 660-43239-1

Client Sample ID: EW-109 — Lab Sample ID: 660-43239-9

Date Collected: 08/30/11 09:00 — **Matrix: Water**
Date Received: 08/30/11 12:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	114790	09/09/11 14:51	AP	TAL TAM
Total Recoverable	Prep	3005A			114471	09/01/11 09:42	GF	TAL TAM
Total Recoverable	Analysis	6010B		1	114569	09/02/11 10:54	GF	TAL TAM

Client Sample ID: EW-110 — Lab Sample ID: 660-43239-10

Date Collected: 08/30/11 09:05 — **Matrix: Water**
Date Received: 08/30/11 12:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C _SIM/ID		1	114651	09/02/11 21:30	TP	TAL TAM
Total/NA	Analysis	8260B		1	114790	09/09/11 15:09	AP	TAL TAM
Total Recoverable	Prep	3005A			114471	09/01/11 09:42	GF	TAL TAM
Total Recoverable	Analysis	6010B		1	114569	09/02/11 10:57	GF	TAL TAM

Client Sample ID: IWI-2 — Lab Sample ID: 660-43239-11

Date Collected: 08/30/11 10:32 — **Matrix: Water**
Date Received: 08/30/11 12:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C _SIM/ID		5	114651	09/02/11 23:02	TP	TAL TAM
Total/NA	Analysis	8260B		1	114790	09/09/11 15:28	AP	TAL TAM

Client Sample ID: MW-85 — Lab Sample ID: 660-43239-12

Date Collected: 08/30/11 16:13 — **Matrix: Water**
Date Received: 08/30/11 12:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C _SIM/ID		5	114651	09/02/11 23:36	TP	TAL TAM
Total/NA	Analysis	8260B		1	114790	09/09/11 15:46	AP	TAL TAM

Laboratory References:
TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Certification Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Quarterly

TestAmerica Job ID: 660-43239-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Tampa	Alabama	State Program	4	40610
TestAmerica Tampa	Florida	NELAC	4	E84282
TestAmerica Tampa	Georgia	State Program	4	905
TestAmerica Tampa	USDA	USDA		P330-11-00177

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Quarterly

TestAmerica Job ID: 660-43239-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL TAM
8260C _SIM/ID	1,4-Dioxane by SIM/Isotopic Dilution	SW846	TAL TAM
6010B	Metals (ICP)	SW846	TAL TAM

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Quarterly

TestAmerica Job ID: 660-43239-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
660-43239-1	EW-101	Water	08/30/11 08:20	08/30/11 12:45
660-43239-2	EW-102	Water	08/30/11 08:25	08/30/11 12:45
660-43239-3	EW-103	Water	08/30/11 08:30	08/30/11 12:45
660-43239-4	EW-104	Water	08/30/11 08:35	08/30/11 12:45
660-43239-5	EW-105	Water	08/30/11 08:40	08/30/11 12:45
660-43239-6	EW-106	Water	08/30/11 08:45	08/30/11 12:45
660-43239-7	EW-107	Water	08/30/11 08:50	08/30/11 12:45
660-43239-8	EW-108	Water	08/30/11 08:55	08/30/11 12:45
660-43239-9	EW-109	Water	08/30/11 09:00	08/30/11 12:45
660-43239-10	EW-110	Water	08/30/11 09:05	08/30/11 12:45
660-43239-11	IWI-2	Water	08/30/11 10:32	08/30/11 12:45
660-43239-12	MW-85	Water	08/30/11 16:13	08/30/11 12:45

Serial Number 018046

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

660-43239

TestAmerica Tampa
6712 Benjamin Road, Suite 100
Tampa, FL 33634
Website: www.testamericainc.com
Phone: (813) 885-7427
Fax: (813) 885-7049

Alternate Laboratory Name/Location
Phone:
Fax:

PROJECT REFERENCE: Tallevast Quarterly	PROJECT NO.	PROJECT LOCATION (STATE): FL	PAGE 1 OF 1
SAMPLER'S SIGNATURE: [signature]	P.O. NUMBER: 35055.0038.00016	CONTRACT NO.: —	STANDARD REPORT DELIVERY ☒
CLIENT (SITE) PM: Don Sauda	CLIENT PHONE: 813 748 4874	CLIENT FAX: —	DATE DUE:
CLIENT NAME: Arcadis	CLIENT E-MAIL: donald.sauda@arcadis-us.com		EXPEDITED REPORT DELIVERY (SURCHARGE) ○
CLIENT ADDRESS: 1600 Tallevast Rd Sarasota, FL 34243			DATE DUE:
COMPANY CONTRACTING THIS WORK (if applicable): LMC			NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

REQUIRED ANALYSIS: 8260 B/C Sim LD; 6010 "10 metals"

PRESERVATIVE: HCL; Nitric

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT...)	8260 B/C Sim LD (NUMBER OF CONTAINERS SUBMITTED)	6010 "10 metals" (NUMBER OF CONTAINERS SUBMITTED)	REMARKS
8-30-11	0820	EW-101	G	X				4	1	
	0825	EW-102								
	0830	EW-103								
	0835	EW-104								10 metals are -
	0840	EW-105								Al, As, Be, Cd,
	0845	EW-106								Cr, Cu, Fe, Pb,
	0850	EW-107								Ni, Zn
	0855	EW-108								
	0900	EW-109								
	0905	EW-116								

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature]	8/22/11	1400	[signature]	8-30-11	1245			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
[signature]	8/22/11	1400	[signature]	8-30-11	1245			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	TAMPA LOG NO.	COOLER TEMP. UPON RECEIPT	LABORATORY REMARKS
			YES ○ NO ○			4.8°C	

TAL8240-660 (0209)

09/16/2011

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Serial Number 018048

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Tampa
6712 Benjamin Road, Suite 100
Tampa, FL 33634
Website: www.testamericainc.com
Phone: (813) 885-7427
Fax: (813) 885-7049

Alternate Laboratory Name/Location
Phone:
Fax:

09/16/2011

PROJECT REFERENCE: Tallevast Quarterly	PROJECT NO.: B0038055 0040	PROJECT LOCATION (STATE): FL	PAGE 1 OF 1
SAMPLER'S SIGNATURE:	P.O. NUMBER: 00001 B0038055 0040.	CONTRACT NO.:	STANDARD REPORT DELIVERY ☒
CLIENT (SITE) PM: Dan Sauda	CLIENT PHONE: 315 446 2570	CLIENT FAX: 315 446 5007	DATE DUE:
CLIENT NAME: Arcadis	CLIENT E-MAIL: Donald.Sauda@arcadis-us.com		EXPEDITED REPORT DELIVERY (SURCHARGE) ○
CLIENT ADDRESS: 1600 Tallevast Rd Sarasota FL 34243			DATE DUE:
COMPANY CONTRACTING THIS WORK (if applicable): LMC			NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

MATRIX TYPE / REQUIRED ANALYSIS

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT...)	8260B	8260C SIM									REMARKS
								HCl	PRESERVATIVE									
8-26-11	1032	IWT-2	G	✓				4										
8-29-11	1613	MW-8S	G	✓				4										

NUMBER OF CONTAINERS SUBMITTED

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS				8-30-11	1245			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
EMPTY CONTAINERS	8-23-11	0800		8-30-11	1245			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT YES ○ NO ○	CUSTODY SEAL NO.	TAMPA LOG NO.	COOLER TEMP. UPON RECEIPT 4.8°C	LABORATORY REMARKS: CWO7

TAL8240-660 (0209)

R625-EDC-002289-0

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 660-43239-1

Login Number: 43239
List Number: 1
Creator: Redding, Charles S

List Source: TestAmerica Tampa

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	4.8 degrees C CU-07
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Tampa
6712 Benjamin Road
Suite 100
Tampa, FL 33634
Tel: (813)885-7427

TestAmerica Job ID: 660-43338-1
Client Project/Site: Tallevast Carbon OM

For:
ARCADIS U.S. Inc
6723 Towpath Road
PO BOX 66
Syracuse, New York 13214

Attn: Donald Sauda

Authorized for release by:
09/08/2011 03:20:42 PM

Tina Fritz
Project Manager II
tina.fritz@testamericainc.com

LINKS

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Have a Question? Ask The Expert

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Results relate only to the items tested and the sample(s) as received by the laboratory. The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

R625-EDC-002289-0

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Definitions/Glossary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-43338-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates that the compound was analyzed for but not detected.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit (Dioxin)
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or method detection limit if shown)
PQL	Practical Quantitation Limit
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-43338-1

Client Sample ID: Primary GAC Effluent — Lab Sample ID: 660-43338-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.0		1.0	0.52	ug/L	1		8260B	Total/NA

Client Sample ID: Mid Process — Lab Sample ID: 660-43338-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	14	I	20	9.9	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	11		1.0	0.52	ug/L	1		8260B	Total/NA

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-43338-1

Client Sample ID: Primary GAC Effluent

Date Collected: 09/06/11 08:00
Date Received: 09/06/11 12:45

Lab Sample ID: 660-43338-1

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			09/07/11 08:43	1
Benzene	0.50	U	1.0	0.50	ug/L			09/07/11 08:43	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			09/07/11 08:43	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			09/07/11 08:43	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			09/07/11 08:43	1
Bromoform	0.58	U	1.0	0.58	ug/L			09/07/11 08:43	1
Bromomethane	2.5	U	5.0	2.5	ug/L			09/07/11 08:43	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			09/07/11 08:43	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			09/07/11 08:43	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			09/07/11 08:43	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			09/07/11 08:43	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			09/07/11 08:43	1
Chloroethane	2.5	U	5.0	2.5	ug/L			09/07/11 08:43	1
Chloroform	0.90	U	1.0	0.90	ug/L			09/07/11 08:43	1
Chloromethane	1.0	U	4.0	1.0	ug/L			09/07/11 08:43	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			09/07/11 08:43	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			09/07/11 08:43	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			09/07/11 08:43	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			09/07/11 08:43	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			09/07/11 08:43	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			09/07/11 08:43	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			09/07/11 08:43	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			09/07/11 08:43	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			09/07/11 08:43	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			09/07/11 08:43	1
1,1-Dichloroethane	**1.0**		1.0	0.52	ug/L			09/07/11 08:43	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			09/07/11 08:43	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			09/07/11 08:43	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			09/07/11 08:43	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			09/07/11 08:43	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			09/07/11 08:43	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			09/07/11 08:43	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			09/07/11 08:43	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			09/07/11 08:43	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			09/07/11 08:43	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			09/07/11 08:43	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			09/07/11 08:43	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			09/07/11 08:43	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			09/07/11 08:43	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			09/07/11 08:43	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			09/07/11 08:43	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			09/07/11 08:43	1
Naphthalene	2.5	U	5.0	2.5	ug/L			09/07/11 08:43	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			09/07/11 08:43	1
Styrene	0.98	U	2.0	0.98	ug/L			09/07/11 08:43	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			09/07/11 08:43	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			09/07/11 08:43	1
Toluene	1.0	U	1.0	1.0	ug/L			09/07/11 08:43	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			09/07/11 08:43	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			09/07/11 08:43	1

Client Sample ID: Primary GAC Effluent

Lab Sample ID: 660-43338-1

Date Collected: 09/06/11 08:00

Matrix: Water

Date Received: 09/06/11 12:45

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			09/07/11 08:43	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			09/07/11 08:43	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			09/07/11 08:43	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			09/07/11 08:43	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			09/07/11 08:43	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			09/07/11 08:43	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			09/07/11 08:43	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			09/07/11 08:43	1
o-Xylene	0.50	U	1.0	0.50	ug/L			09/07/11 08:43	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			09/07/11 08:43	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			09/07/11 08:43	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			09/07/11 08:43	1
2-Hexanone	4.4	U	10	4.4	ug/L			09/07/11 08:43	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			09/07/11 08:43	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			09/07/11 08:43	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*70 - 130*		*09/07/11 08:43*	*1*
4-Bromofluorobenzene	*96*		*70 - 130*		*09/07/11 08:43*	*1*
Dibromofluoromethane	*95*		*70 - 130*		*09/07/11 08:43*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			09/07/11 14:17	1

Client Sample ID: Mid Process

Lab Sample ID: 660-43338-2

Date Collected: 09/06/11 08:10

Matrix: Water

Date Received: 09/06/11 12:45

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**14**	**I**	20	9.9	ug/L			09/07/11 09:01	1
Benzene	0.50	U	1.0	0.50	ug/L			09/07/11 09:01	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			09/07/11 09:01	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			09/07/11 09:01	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			09/07/11 09:01	1
Bromoform	0.58	U	1.0	0.58	ug/L			09/07/11 09:01	1
Bromomethane	2.5	U	5.0	2.5	ug/L			09/07/11 09:01	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			09/07/11 09:01	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			09/07/11 09:01	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			09/07/11 09:01	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			09/07/11 09:01	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			09/07/11 09:01	1
Chloroethane	2.5	U	5.0	2.5	ug/L			09/07/11 09:01	1
Chloroform	0.90	U	1.0	0.90	ug/L			09/07/11 09:01	1
Chloromethane	1.0	U	4.0	1.0	ug/L			09/07/11 09:01	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			09/07/11 09:01	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			09/07/11 09:01	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			09/07/11 09:01	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			09/07/11 09:01	1

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-43338-1

Client Sample ID: Mid Process

Date Collected: 09/06/11 08:10
Date Received: 09/06/11 12:45

Lab Sample ID: 660-43338-2

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			09/07/11 09:01	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			09/07/11 09:01	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			09/07/11 09:01	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			09/07/11 09:01	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			09/07/11 09:01	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			09/07/11 09:01	1
1,1-Dichloroethane	**11**		1.0	0.52	ug/L			09/07/11 09:01	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			09/07/11 09:01	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			09/07/11 09:01	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			09/07/11 09:01	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			09/07/11 09:01	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			09/07/11 09:01	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			09/07/11 09:01	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			09/07/11 09:01	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			09/07/11 09:01	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			09/07/11 09:01	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			09/07/11 09:01	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			09/07/11 09:01	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			09/07/11 09:01	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			09/07/11 09:01	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			09/07/11 09:01	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			09/07/11 09:01	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			09/07/11 09:01	1
Naphthalene	2.5	U	5.0	2.5	ug/L			09/07/11 09:01	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			09/07/11 09:01	1
Styrene	0.98	U	2.0	0.98	ug/L			09/07/11 09:01	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			09/07/11 09:01	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			09/07/11 09:01	1
Toluene	1.0	U	1.0	1.0	ug/L			09/07/11 09:01	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			09/07/11 09:01	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			09/07/11 09:01	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			09/07/11 09:01	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			09/07/11 09:01	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			09/07/11 09:01	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			09/07/11 09:01	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			09/07/11 09:01	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			09/07/11 09:01	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			09/07/11 09:01	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			09/07/11 09:01	1
o-Xylene	0.50	U	1.0	0.50	ug/L			09/07/11 09:01	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			09/07/11 09:01	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			09/07/11 09:01	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			09/07/11 09:01	1
2-Hexanone	4.4	U	10	4.4	ug/L			09/07/11 09:01	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			09/07/11 09:01	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			09/07/11 09:01	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*87*		*70 - 130*		*09/07/11 09:01*	*1*
4-Bromofluorobenzene	*97*		*70 - 130*		*09/07/11 09:01*	*1*

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-43338-1

Client Sample ID: Mid Process

Date Collected: 09/06/11 08:10
Date Received: 09/06/11 12:45

Lab Sample ID: 660-43338-2

Matrix: Water

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

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*97*		*70 - 130*		*09/07/11 09:01*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			09/07/11 14:34	1

Surrogate Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-43338-1

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)
660-43338-1	Primary GAC Effluent	101	96	95
660-43338-1 MS	Primary GAC Effluent	103	100	95
660-43338-2	Mid Process	87	97	97
660-43338-2 DU	Mid Process	102	96	94
LCS 660-114676/3	Lab Control Sample	102	98	98
MB 660-114676/5	Method Blank	100	94	94

Surrogate Legend

TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane

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

Lab Sample ID: MB 660-114676/5
Matrix: Water
Analysis Batch: 114676

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			09/07/11 08:14	1
Benzene	0.50	U	1.0	0.50	ug/L			09/07/11 08:14	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			09/07/11 08:14	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			09/07/11 08:14	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			09/07/11 08:14	1
Bromoform	0.58	U	1.0	0.58	ug/L			09/07/11 08:14	1
Bromomethane	2.5	U	5.0	2.5	ug/L			09/07/11 08:14	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			09/07/11 08:14	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			09/07/11 08:14	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			09/07/11 08:14	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			09/07/11 08:14	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			09/07/11 08:14	1
Chloroethane	2.5	U	5.0	2.5	ug/L			09/07/11 08:14	1
Chloroform	0.90	U	1.0	0.90	ug/L			09/07/11 08:14	1
Chloromethane	1.0	U	4.0	1.0	ug/L			09/07/11 08:14	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			09/07/11 08:14	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			09/07/11 08:14	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			09/07/11 08:14	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			09/07/11 08:14	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			09/07/11 08:14	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			09/07/11 08:14	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			09/07/11 08:14	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			09/07/11 08:14	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			09/07/11 08:14	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			09/07/11 08:14	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			09/07/11 08:14	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			09/07/11 08:14	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			09/07/11 08:14	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			09/07/11 08:14	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			09/07/11 08:14	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			09/07/11 08:14	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			09/07/11 08:14	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			09/07/11 08:14	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			09/07/11 08:14	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			09/07/11 08:14	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			09/07/11 08:14	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			09/07/11 08:14	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			09/07/11 08:14	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			09/07/11 08:14	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			09/07/11 08:14	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			09/07/11 08:14	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			09/07/11 08:14	1
Naphthalene	2.5	U	5.0	2.5	ug/L			09/07/11 08:14	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			09/07/11 08:14	1
Styrene	0.98	U	2.0	0.98	ug/L			09/07/11 08:14	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			09/07/11 08:14	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			09/07/11 08:14	1
Toluene	1.0	U	1.0	1.0	ug/L			09/07/11 08:14	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			09/07/11 08:14	1

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

Lab Sample ID: MB 660-114676/5
Matrix: Water
Analysis Batch: 114676

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			09/07/11 08:14	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			09/07/11 08:14	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			09/07/11 08:14	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			09/07/11 08:14	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			09/07/11 08:14	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			09/07/11 08:14	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			09/07/11 08:14	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			09/07/11 08:14	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			09/07/11 08:14	1
o-Xylene	0.50	U	1.0	0.50	ug/L			09/07/11 08:14	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			09/07/11 08:14	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			09/07/11 08:14	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			09/07/11 08:14	1
2-Hexanone	4.4	U	10	4.4	ug/L			09/07/11 08:14	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			09/07/11 08:14	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			09/07/11 08:14	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*70 - 130*		*09/07/11 08:14*	*1*
4-Bromofluorobenzene	*94*		*70 - 130*		*09/07/11 08:14*	*1*
Dibromofluoromethane	*94*		*70 - 130*		*09/07/11 08:14*	*1*

Lab Sample ID: LCS 660-114676/3
Matrix: Water
Analysis Batch: 114676

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	40.0	53.2		ug/L		133	62 - 142
Benzene	20.0	21.6		ug/L		108	68 - 134
Bromobenzene	20.0	19.6		ug/L		98	70 - 130
Chlorobromomethane	20.0	20.7		ug/L		104	70 - 130
Dichlorobromomethane	20.0	20.7		ug/L		103	70 - 130
Bromoform	20.0	16.1		ug/L		81	65 - 130
Bromomethane	20.0	7.32		ug/L		37	22 - 150
n-Butylbenzene	20.0	18.0		ug/L		90	61 - 131
sec-Butylbenzene	20.0	18.3		ug/L		92	68 - 133
tert-Butylbenzene	20.0	16.9		ug/L		84	64 - 130
Carbon tetrachloride	20.0	16.8		ug/L		84	61 - 134
Chlorobenzene	20.0	20.9		ug/L		104	70 - 130
Chloroethane	20.0	24.4		ug/L		122	39 - 150
Chloroform	20.0	19.9		ug/L		100	68 - 130
Chloromethane	20.0	19.7		ug/L		99	35 - 150
2-Chlorotoluene	20.0	20.2		ug/L		101	70 - 130
4-Chlorotoluene	20.0	20.4		ug/L		102	70 - 130
Chlorodibromomethane	20.0	17.0		ug/L		85	70 - 130
1,2-Dibromo-3-Chloropropane	20.0	19.5		ug/L		97	63 - 130
Ethylene Dibromide	20.0	21.0		ug/L		105	66 - 130
Dibromomethane	20.0	21.5		ug/L		108	70 - 130
1,2-Dichlorobenzene	20.0	19.8		ug/L		99	70 - 130

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

Lab Sample ID: LCS 660-114676/3
Matrix: Water
Analysis Batch: 114676

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
1,3-Dichlorobenzene	20.0	21.0		ug/L		105	70 - 130
1,4-Dichlorobenzene	20.0	20.0		ug/L		100	70 - 130
Dichlorodifluoromethane	20.0	18.6		ug/L		93	16 - 149
1,1-Dichloroethane	20.0	21.0		ug/L		105	66 - 130
1,2-Dichloroethane	20.0	19.3		ug/L		97	70 - 130
1,1,1,2-Tetrachloroethane	20.0	19.5		ug/L		98	70 - 130
1,1-Dichloroethene	20.0	19.9		ug/L		99	51 - 150
cis-1,2-Dichloroethene	20.0	20.3		ug/L		101	66 - 130
trans-1,2-Dichloroethene	20.0	18.7		ug/L		93	62 - 139
1,2-Dichloropropane	20.0	20.4		ug/L		102	70 - 130
1,3-Dichloropropane	20.0	21.2		ug/L		106	70 - 130
2,2-Dichloropropane	20.0	18.7		ug/L		94	66 - 134
1,1-Dichloropropene	20.0	17.8		ug/L		89	65 - 136
cis-1,3-Dichloropropene	20.0	19.2		ug/L		96	70 - 130
trans-1,3-Dichloropropene	20.0	18.9		ug/L		94	67 - 130
Ethylbenzene	20.0	18.7		ug/L		93	70 - 130
Hexachlorobutadiene	20.0	19.1		ug/L		95	62 - 143
Isopropylbenzene	20.0	18.1		ug/L		91	62 - 130
4-Isopropyltoluene	20.0	18.6		ug/L		93	65 - 134
Methylene Chloride	20.0	19.7		ug/L		98	57 - 130
Naphthalene	20.0	18.1		ug/L		90	50 - 136
N-Propylbenzene	20.0	18.8		ug/L		94	67 - 130
Styrene	20.0	19.2		ug/L		96	68 - 131
1,1,2,2-Tetrachloroethane	20.0	21.0		ug/L		105	70 - 130
Tetrachloroethene	20.0	16.3		ug/L		81	50 - 143
Toluene	20.0	21.6		ug/L		108	70 - 131
1,2,3-Trichlorobenzene	20.0	19.7		ug/L		98	58 - 132
1,2,4-Trichlorobenzene	20.0	19.3		ug/L		96	66 - 130
1,1,1-Trichloroethane	20.0	17.4		ug/L		87	63 - 132
1,1,2-Trichloroethane	20.0	22.2		ug/L		111	70 - 130
Trichloroethene	20.0	20.5		ug/L		102	63 - 139
Trichlorofluoromethane	20.0	27.8		ug/L		139	62 - 146
1,2,3-Trichloropropane	20.0	21.4		ug/L		107	66 - 130
1,2,4-Trimethylbenzene	20.0	18.6		ug/L		93	70 - 132
1,3,5-Trimethylbenzene	20.0	17.9		ug/L		89	65 - 134
Vinyl chloride	20.0	24.3		ug/L		122	48 - 147
o-Xylene	20.0	19.2		ug/L		96	69 - 130
2-Butanone (MEK)	40.0	41.1		ug/L		103	63 - 140
4-Methyl-2-pentanone (MIBK)	40.0	42.2		ug/L		105	64 - 137
Carbon disulfide	40.0	34.4		ug/L		86	30 - 150
2-Hexanone	40.0	42.6		ug/L		106	60 - 148
Methyl tert-butyl ether	40.0	35.4		ug/L		89	67 - 130

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*102*		*70 - 130*
4-Bromofluorobenzene	*98*		*70 - 130*
Dibromofluoromethane	*98*		*70 - 130*

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

Lab Sample ID: 660-43338-1 MS
Matrix: Water
Analysis Batch: 114676

Client Sample ID: Primary GAC Effluent
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	9.9	U	40.0	51.2		ug/L		128	62 - 142
Benzene	0.50	U	20.0	20.7		ug/L		103	68 - 134
Bromobenzene	0.58	U	20.0	20.6		ug/L		103	70 - 130
Chlorobromomethane	0.58	U	20.0	21.1		ug/L		105	70 - 130
Dichlorobromomethane	0.35	U	20.0	21.0		ug/L		105	70 - 130
Bromoform	0.58	U	20.0	17.2		ug/L		86	65 - 130
Bromomethane	2.5	U	20.0	4.49	I	ug/L		22	22 - 150
n-Butylbenzene	0.67	U	20.0	15.9		ug/L		80	61 - 131
sec-Butylbenzene	0.63	U	20.0	15.7		ug/L		78	68 - 133
tert-Butylbenzene	0.84	U	20.0	14.6		ug/L		73	64 - 130
Carbon tetrachloride	0.42	U	20.0	12.3		ug/L		62	61 - 134
Chlorobenzene	0.63	U	20.0	20.4		ug/L		102	70 - 130
Chloroethane	2.5	U	20.0	21.8		ug/L		109	39 - 150
Chloroform	0.90	U	20.0	19.3		ug/L		97	68 - 130
Chloromethane	1.0	U	20.0	17.7		ug/L		89	35 - 150
2-Chlorotoluene	0.65	U	20.0	19.7		ug/L		99	70 - 130
4-Chlorotoluene	0.52	U	20.0	21.2		ug/L		106	70 - 130
Chlorodibromomethane	0.34	U	20.0	18.4		ug/L		92	70 - 130
1,2-Dibromo-3-Chloropropane	2.5	U	20.0	21.6		ug/L		108	63 - 130
Ethylene Dibromide	0.50	U	20.0	23.2		ug/L		116	66 - 130
Dibromomethane	0.41	U	20.0	23.5		ug/L		117	70 - 130
1,2-Dichlorobenzene	0.44	U	20.0	21.1		ug/L		106	70 - 130
1,3-Dichlorobenzene	0.64	U	20.0	21.6		ug/L		108	70 - 130
1,4-Dichlorobenzene	0.52	U	20.0	20.5		ug/L		102	70 - 130
Dichlorodifluoromethane	2.5	U	20.0	15.0		ug/L		75	16 - 149
1,1-Dichloroethane	1.0		20.0	20.5		ug/L		97	66 - 130
1,2-Dichloroethane	0.57	U	20.0	20.8		ug/L		104	70 - 130
1,1,1,2-Tetrachloroethane	0.63	U	20.0	19.9		ug/L		99	70 - 130
1,1-Dichloroethene	0.45	U	20.0	17.8		ug/L		89	51 - 150
cis-1,2-Dichloroethene	0.65	U	20.0	19.3		ug/L		96	66 - 130
trans-1,2-Dichloroethene	0.44	U	20.0	15.8		ug/L		79	62 - 139
1,2-Dichloropropane	0.52	U	20.0	21.1		ug/L		106	70 - 130
1,3-Dichloropropane	0.39	U	20.0	23.7		ug/L		118	70 - 130
2,2-Dichloropropane	0.36	U	20.0	15.5		ug/L		77	66 - 134
1,1-Dichloropropene	0.31	U	20.0	14.4		ug/L		72	65 - 136
cis-1,3-Dichloropropene	0.14	U	20.0	20.1		ug/L		101	70 - 130
trans-1,3-Dichloropropene	0.14	U	20.0	20.1		ug/L		100	67 - 130
Ethylbenzene	0.44	U	20.0	16.5		ug/L		83	70 - 130
Hexachlorobutadiene	0.40	U	20.0	16.1		ug/L		81	62 - 143
Isopropylbenzene	0.19	U	20.0	15.6		ug/L		78	62 - 130
4-Isopropyltoluene	0.69	U	20.0	15.9		ug/L		79	65 - 134
Methylene Chloride	4.0	U	20.0	19.3		ug/L		97	57 - 130
Naphthalene	2.5	U	20.0	20.5		ug/L		102	50 - 136
N-Propylbenzene	0.59	U	20.0	16.5		ug/L		82	67 - 130
Styrene	0.98	U	20.0	19.4		ug/L		97	68 - 131
1,1,2,2-Tetrachloroethane	0.15	U	20.0	23.4		ug/L		117	70 - 130
Tetrachloroethene	0.50	U	20.0	13.8		ug/L		69	50 - 143
Toluene	1.0	U	20.0	20.0		ug/L		100	70 - 131
1,2,3-Trichlorobenzene	0.77	U	20.0	21.3		ug/L		107	58 - 132

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

Lab Sample ID: 660-43338-1 MS
Matrix: Water
Analysis Batch: 114676

Client Sample ID: Primary GAC Effluent
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
1,2,4-Trichlorobenzene	0.58	U	20.0	19.8		ug/L		99	66 - 130
1,1,1-Trichloroethane	0.46	U	20.0	14.0		ug/L		70	63 - 132
1,1,2-Trichloroethane	0.47	U	20.0	25.0		ug/L		125	70 - 130
Trichloroethene	0.50	U	20.0	18.1		ug/L		91	63 - 139
Trichlorofluoromethane	2.5	U	20.0	20.9		ug/L		104	62 - 146
1,2,3-Trichloropropane	0.18	U	20.0	23.8		ug/L		119	66 - 130
1,2,4-Trimethylbenzene	0.86	U	20.0	17.9		ug/L		90	70 - 132
1,3,5-Trimethylbenzene	0.54	U	20.0	16.5		ug/L		82	65 - 134
Vinyl chloride	0.50	U	20.0	18.7		ug/L		94	48 - 147
o-Xylene	0.50	U	20.0	18.2		ug/L		91	69 - 130
2-Butanone (MEK)	8.4	U	40.0	42.5		ug/L		106	63 - 140
4-Methyl-2-pentanone (MIBK)	3.8	U	40.0	49.5		ug/L		124	64 - 137
Carbon disulfide	1.0	U	40.0	33.8		ug/L		85	30 - 150
2-Hexanone	4.4	U	40.0	46.4		ug/L		116	60 - 148
Methyl tert-butyl ether	0.44	U	40.0	38.0		ug/L		95	67 - 130

Surrogate	*MS % Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*103*		*70 - 130*
4-Bromofluorobenzene	*100*		*70 - 130*
Dibromofluoromethane	*95*		*70 - 130*

Lab Sample ID: 660-43338-2 DU
Matrix: Water
Analysis Batch: 114676

Client Sample ID: Mid Process
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Acetone	14	I	12.6	I	ug/L		10	30
Benzene	0.50	U	0.50	U	ug/L		NC	30
Bromobenzene	0.58	U	0.58	U	ug/L		NC	30
Chlorobromomethane	0.58	U	0.58	U	ug/L		NC	30
Dichlorobromomethane	0.35	U	0.35	U	ug/L		NC	30
Bromoform	0.58	U	0.58	U	ug/L		NC	30
Bromomethane	2.5	U	2.5	U	ug/L		NC	30
n-Butylbenzene	0.67	U	0.67	U	ug/L		NC	30
sec-Butylbenzene	0.63	U	0.63	U	ug/L		NC	30
tert-Butylbenzene	0.84	U	0.84	U	ug/L		NC	30
Carbon tetrachloride	0.42	U	0.42	U	ug/L		NC	30
Chlorobenzene	0.63	U	0.63	U	ug/L		NC	30
Chloroethane	2.5	U	2.5	U	ug/L		NC	30
Chloroform	0.90	U	0.90	U	ug/L		NC	30
Chloromethane	1.0	U	1.0	U	ug/L		NC	30
2-Chlorotoluene	0.65	U	0.65	U	ug/L		NC	30
4-Chlorotoluene	0.52	U	0.52	U	ug/L		NC	30
Chlorodibromomethane	0.34	U	0.34	U	ug/L		NC	30
1,2-Dibromo-3-Chloropropane	2.5	U	2.5	U	ug/L		NC	30
Ethylene Dibromide	0.50	U	0.50	U	ug/L		NC	30
Dibromomethane	0.41	U	0.41	U	ug/L		NC	30
1,2-Dichlorobenzene	0.44	U	0.44	U	ug/L		NC	30
1,3-Dichlorobenzene	0.64	U	0.64	U	ug/L		NC	30

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

Lab Sample ID: 660-43338-2 DU
Matrix: Water
Analysis Batch: 114676

Client Sample ID: Mid Process
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
1,4-Dichlorobenzene	0.52	U		0.52	U	ug/L				NC	30
Dichlorodifluoromethane	2.5	U		2.5	U	ug/L				NC	30
1,1-Dichloroethane	11			11.8		ug/L				4	30
1,2-Dichloroethane	0.57	U		0.57	U	ug/L				NC	30
1,1,1,2-Tetrachloroethane	0.63	U		0.63	U	ug/L				NC	30
1,1-Dichloroethene	0.45	U		0.45	U	ug/L				NC	30
cis-1,2-Dichloroethene	0.65	U		0.65	U	ug/L				NC	30
trans-1,2-Dichloroethene	0.44	U		0.44	U	ug/L				NC	30
1,2-Dichloropropane	0.52	U		0.52	U	ug/L				NC	30
1,3-Dichloropropane	0.39	U		0.39	U	ug/L				NC	30
2,2-Dichloropropane	0.36	U		0.36	U	ug/L				NC	30
1,1-Dichloropropene	0.31	U		0.31	U	ug/L				NC	30
cis-1,3-Dichloropropene	0.14	U		0.14	U	ug/L				NC	30
trans-1,3-Dichloropropene	0.14	U		0.14	U	ug/L				NC	30
Ethylbenzene	0.44	U		0.44	U	ug/L				NC	30
Hexachlorobutadiene	0.40	U		0.40	U	ug/L				NC	30
Isopropylbenzene	0.19	U		0.19	U	ug/L				NC	30
4-Isopropyltoluene	0.69	U		0.69	U	ug/L				NC	30
Methylene Chloride	4.0	U		4.0	U	ug/L				NC	30
Naphthalene	2.5	U		2.5	U	ug/L				NC	30
N-Propylbenzene	0.59	U		0.59	U	ug/L				NC	30
Styrene	0.98	U		0.98	U	ug/L				NC	30
1,1,2,2-Tetrachloroethane	0.15	U		0.15	U	ug/L				NC	30
Tetrachloroethene	0.50	U		0.50	U	ug/L				NC	30
Toluene	1.0	U		1.0	U	ug/L				NC	30
1,2,3-Trichlorobenzene	0.77	U		0.77	U	ug/L				NC	30
1,2,4-Trichlorobenzene	0.58	U		0.58	U	ug/L				NC	30
1,1,1-Trichloroethane	0.46	U		0.46	U	ug/L				NC	30
1,1,2-Trichloroethane	0.47	U		0.47	U	ug/L				NC	30
Trichloroethene	0.50	U		0.50	U	ug/L				NC	30
Trichlorofluoromethane	2.5	U		2.5	U	ug/L				NC	30
1,2,3-Trichloropropane	0.18	U		0.18	U	ug/L				NC	30
1,2,4-Trimethylbenzene	0.86	U		0.86	U	ug/L				NC	30
1,3,5-Trimethylbenzene	0.54	U		0.54	U	ug/L				NC	30
Vinyl chloride	0.50	U		0.50	U	ug/L				NC	30
o-Xylene	0.50	U		0.50	U	ug/L				NC	30
2-Butanone (MEK)	8.4	U		8.4	U	ug/L				NC	30
4-Methyl-2-pentanone (MIBK)	3.8	U		3.8	U	ug/L				NC	30
Carbon disulfide	1.0	U		1.0	U	ug/L				NC	30
2-Hexanone	4.4	U		4.4	U	ug/L				NC	30
Methyl tert-butyl ether	0.44	U		0.44	U	ug/L				NC	30
m-Xylene & p-Xylene	0.60	U		0.60	U	ug/L				NC	30

Surrogate	*DU % Recovery*	*DU Qualifier*	*Limits*
Toluene-d8 (Surr)	*102*		*70 - 130*
4-Bromofluorobenzene	*96*		*70 - 130*
Dibromofluoromethane	*94*		*70 - 130*

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-43338-1

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Lab Sample ID: MB 660-114669/13 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 114669

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			09/07/11 13:41	1

Lab Sample ID: LCS 660-114669/12 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 114669

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits		
1,4-Dioxane			25.0	21.4		ug/L		86	50 - 150		

Lab Sample ID: 660-43338-2 MS — **Client Sample ID: Mid Process**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 114669

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits		
1,4-Dioxane	1.0	U	25.0	20.9		ug/L		84	50 - 150		

Lab Sample ID: 660-43338-2 MSD — **Client Sample ID: Mid Process**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 114669

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
1,4-Dioxane	1.0	U	25.0	19.9		ug/L		80	50 - 150	5	50

QC Association Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-43338-1

GC/MS VOA

Analysis Batch: 114669

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-43338-1	Primary GAC Effluent	Total/NA	Water	8260C _SIM/ID	
660-43338-2	Mid Process	Total/NA	Water	8260C _SIM/ID	
660-43338-2 MS	Mid Process	Total/NA	Water	8260C _SIM/ID	
660-43338-2 MSD	Mid Process	Total/NA	Water	8260C _SIM/ID	
LCS 660-114669/12	Lab Control Sample	Total/NA	Water	8260C _SIM/ID	
MB 660-114669/13	Method Blank	Total/NA	Water	8260C _SIM/ID	

Analysis Batch: 114676

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-43338-1	Primary GAC Effluent	Total/NA	Water	8260B	
660-43338-1 MS	Primary GAC Effluent	Total/NA	Water	8260B	
660-43338-2	Mid Process	Total/NA	Water	8260B	
660-43338-2 DU	Mid Process	Total/NA	Water	8260B	
LCS 660-114676/3	Lab Control Sample	Total/NA	Water	8260B	
MB 660-114676/5	Method Blank	Total/NA	Water	8260B	

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-43338-1

Client Sample ID: Primary GAC Effluent

Lab Sample ID: 660-43338-1

Date Collected: 09/06/11 08:00

Matrix: Water

Date Received: 09/06/11 12:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C _SIM/ID		1	114669	09/07/11 14:17	EC	TAL TAM
Total/NA	Analysis	8260B		1	114676	09/07/11 08:43	AP	TAL TAM

Client Sample ID: Mid Process

Lab Sample ID: 660-43338-2

Date Collected: 09/06/11 08:10

Matrix: Water

Date Received: 09/06/11 12:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C _SIM/ID		1	114669	09/07/11 14:34	EC	TAL TAM
Total/NA	Analysis	8260B		1	114676	09/07/11 09:01	AP	TAL TAM

Laboratory References:
TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Certification Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-43338-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Tampa	Alabama	State Program	4	40610
TestAmerica Tampa	Florida	NELAC	4	E84282
TestAmerica Tampa	Georgia	State Program	4	905
TestAmerica Tampa	USDA	USDA		P330-11-00177

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-43338-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL TAM
8260C _SIM/ID	1,4-Dioxane by SIM/Isotopic Dilution	SW846	TAL TAM

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-43338-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
660-43338-1	Primary GAC Effluent	Water	09/06/11 08:00	09/06/11 12:45
660-43338-2	Mid Process	Water	09/06/11 08:10	09/06/11 12:45

Serial Number 018044

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

660-43338

(X) TestAmerica Tampa
6712 Benjamin Road, Suite 100
Tampa, FL 33634
Website: www.testamericainc.com
Phone: (813) 885-7427
Fax: (813) 885-7049

( ) Alternate Laboratory Name/Location
Phone:
Fax:

09/08/2011

PROJECT REFERENCE: Tallevast Carbon am	PROJECT NO.: —	PROJECT LOCATION (STATE): FL	PAGE 1 OF 1
SAMPLER'S SIGNATURE: [signature]	P.O. NUMBER: 38055.0038.00009	CONTRACT NO.: —	STANDARD REPORT DELIVERY ( )
CLIENT (SITE) PM: Don Sauda	CLIENT PHONE: 8137484874	CLIENT FAX: —	DATE DUE: —
CLIENT NAME: Arcadis	CLIENT E-MAIL: donald.sauda@arcadis-us.com		EXPEDITED REPORT DELIVERY (SURCHARGE) (X) DATE DUE: 48 hrs
CLIENT ADDRESS: 1600 Tallevast Rd Sarasota, FL 34243			
COMPANY CONTRACTING THIS WORK (if applicable): CMC			NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

REQUIRED ANALYSIS: 8260 B/C Sum 10

PRESERVATIVE: HCL

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT...)	NUMBER OF CONTAINERS SUBMITTED	REMARKS
9-6-11	0800	Primary GAC effluent	G	X				4	inf flow = 20.3
9-6-11	0810	Mid Process	G	X				4	sys flow = 19
									inf pH = 2.8
									eff pH = 7.1

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS			[signature]	9-6-11	1245			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS [signature]	9-7-11	0800	[signature]	9-6-11	1245			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT YES ( ) NO ( )	CUSTODY SEAL NO.	TAMPA LOG NO.	COOLER TEMP. UPON RECEIPT	LABORATORY REMARKS
						4-8°C CW07	

TAL8240-660 (0209)

R625-EDC-002289-0

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 660-43338-1

Login Number: 43338
List Number: 1
Creator: Redding, Charles S

List Source: TestAmerica Tampa

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	4.8 degrees C CU-07
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Tampa
6712 Benjamin Road
Suite 100
Tampa, FL 33634
Tel: (813)885-7427

TestAmerica Job ID: 660-43479-1
Client Project/Site: Tallevast Carbon OM

For:
ARCADIS U.S. Inc
6723 Towpath Road
PO BOX 66
Syracuse, New York 13214

Attn: Donald Sauda

Authorized for release by:
09/15/2011 01:04:36 PM

Tina Fritz
Project Manager II
tina.fritz@testamericainc.com

LINKS

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Have a Question? Ask The Expert

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Results relate only to the items tested and the sample(s) as received by the laboratory. The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

R625-EDC-002289-0

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Definitions/Glossary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-43479-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates that the compound was analyzed for but not detected.
J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit (Dioxin)
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or method detection limit if shown)
PQL	Practical Quantitation Limit
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 660-43479-1

Laboratory: TestAmerica Tampa

Narrative

Job Narrative
660-43479-1

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
Method 8260B: A full list spike was utilized for this method. . The LCS associated with batch 114967 had 3 analytes outside control limits. The laboratory's SOP allows for 5 analytes to recover outside criteria for this method when a full list spike is utilized. These results have been reported and qualified.

No other analytical or quality issues were noted.

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-43479-1

Client Sample ID: Primary GAC Effluent — Lab Sample ID: 660-43479-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	3.1		1.0	0.52	ug/L	1		8260B	Total/NA

Client Sample ID: Mid Process — Lab Sample ID: 660-43479-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	12	I	20	9.9	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	12		1.0	0.52	ug/L	1		8260B	Total/NA

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-43479-1

Client Sample ID: Primary GAC Effluent

Date Collected: 09/13/11 10:15
Date Received: 09/13/11 11:45

Lab Sample ID: 660-43479-1

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			09/14/11 10:56	1
Benzene	0.50	U	1.0	0.50	ug/L			09/14/11 10:56	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			09/14/11 10:56	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			09/14/11 10:56	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			09/14/11 10:56	1
Bromoform	0.58	U	1.0	0.58	ug/L			09/14/11 10:56	1
Bromomethane	2.5	U	5.0	2.5	ug/L			09/14/11 10:56	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			09/14/11 10:56	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			09/14/11 10:56	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			09/14/11 10:56	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			09/14/11 10:56	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			09/14/11 10:56	1
Chloroethane	2.5	U	5.0	2.5	ug/L			09/14/11 10:56	1
Chloroform	0.90	U	1.0	0.90	ug/L			09/14/11 10:56	1
Chloromethane	1.0	U	4.0	1.0	ug/L			09/14/11 10:56	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			09/14/11 10:56	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			09/14/11 10:56	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			09/14/11 10:56	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			09/14/11 10:56	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			09/14/11 10:56	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			09/14/11 10:56	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			09/14/11 10:56	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			09/14/11 10:56	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			09/14/11 10:56	1
Dichlorodifluoromethane	2.5	U J3	5.0	2.5	ug/L			09/14/11 10:56	1
1,1-Dichloroethane	**3.1**		1.0	0.52	ug/L			09/14/11 10:56	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			09/14/11 10:56	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			09/14/11 10:56	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			09/14/11 10:56	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			09/14/11 10:56	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			09/14/11 10:56	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			09/14/11 10:56	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			09/14/11 10:56	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			09/14/11 10:56	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			09/14/11 10:56	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			09/14/11 10:56	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			09/14/11 10:56	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			09/14/11 10:56	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			09/14/11 10:56	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			09/14/11 10:56	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			09/14/11 10:56	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			09/14/11 10:56	1
Naphthalene	2.5	U	5.0	2.5	ug/L			09/14/11 10:56	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			09/14/11 10:56	1
Styrene	0.98	U	2.0	0.98	ug/L			09/14/11 10:56	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			09/14/11 10:56	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			09/14/11 10:56	1
Toluene	1.0	U	1.0	1.0	ug/L			09/14/11 10:56	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			09/14/11 10:56	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			09/14/11 10:56	1

Client Sample ID: Primary GAC Effluent

Lab Sample ID: 660-43479-1

Date Collected: 09/13/11 10:15

Matrix: Water

Date Received: 09/13/11 11:45

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			09/14/11 10:56	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			09/14/11 10:56	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			09/14/11 10:56	1
Trichlorofluoromethane	2.5	U J3	5.0	2.5	ug/L			09/14/11 10:56	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			09/14/11 10:56	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			09/14/11 10:56	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			09/14/11 10:56	1
Vinyl chloride	0.50	U J3	1.0	0.50	ug/L			09/14/11 10:56	1
o-Xylene	0.50	U	1.0	0.50	ug/L			09/14/11 10:56	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			09/14/11 10:56	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			09/14/11 10:56	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			09/14/11 10:56	1
2-Hexanone	4.4	U	10	4.4	ug/L			09/14/11 10:56	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			09/14/11 10:56	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			09/14/11 10:56	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*70 - 130*		*09/14/11 10:56*	*1*
4-Bromofluorobenzene	*99*		*70 - 130*		*09/14/11 10:56*	*1*
Dibromofluoromethane	*104*		*70 - 130*		*09/14/11 10:56*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			09/15/11 00:03	1

Client Sample ID: Mid Process

Lab Sample ID: 660-43479-2

Date Collected: 09/13/11 10:20

Matrix: Water

Date Received: 09/13/11 11:45

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**12**	**I**	20	9.9	ug/L			09/14/11 11:34	1
Benzene	0.50	U	1.0	0.50	ug/L			09/14/11 11:34	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			09/14/11 11:34	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			09/14/11 11:34	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			09/14/11 11:34	1
Bromoform	0.58	U	1.0	0.58	ug/L			09/14/11 11:34	1
Bromomethane	2.5	U	5.0	2.5	ug/L			09/14/11 11:34	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			09/14/11 11:34	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			09/14/11 11:34	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			09/14/11 11:34	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			09/14/11 11:34	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			09/14/11 11:34	1
Chloroethane	2.5	U	5.0	2.5	ug/L			09/14/11 11:34	1
Chloroform	0.90	U	1.0	0.90	ug/L			09/14/11 11:34	1
Chloromethane	1.0	U	4.0	1.0	ug/L			09/14/11 11:34	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			09/14/11 11:34	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			09/14/11 11:34	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			09/14/11 11:34	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			09/14/11 11:34	1

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-43479-1

Client Sample ID: Mid Process
Date Collected: 09/13/11 10:20
Date Received: 09/13/11 11:45

Lab Sample ID: 660-43479-2
Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			09/14/11 11:34	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			09/14/11 11:34	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			09/14/11 11:34	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			09/14/11 11:34	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			09/14/11 11:34	1
Dichlorodifluoromethane	2.5	U J3	5.0	2.5	ug/L			09/14/11 11:34	1
1,1-Dichloroethane	**12**		1.0	0.52	ug/L			09/14/11 11:34	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			09/14/11 11:34	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			09/14/11 11:34	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			09/14/11 11:34	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			09/14/11 11:34	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			09/14/11 11:34	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			09/14/11 11:34	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			09/14/11 11:34	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			09/14/11 11:34	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			09/14/11 11:34	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			09/14/11 11:34	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			09/14/11 11:34	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			09/14/11 11:34	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			09/14/11 11:34	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			09/14/11 11:34	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			09/14/11 11:34	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			09/14/11 11:34	1
Naphthalene	2.5	U	5.0	2.5	ug/L			09/14/11 11:34	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			09/14/11 11:34	1
Styrene	0.98	U	2.0	0.98	ug/L			09/14/11 11:34	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			09/14/11 11:34	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			09/14/11 11:34	1
Toluene	1.0	U	1.0	1.0	ug/L			09/14/11 11:34	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			09/14/11 11:34	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			09/14/11 11:34	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			09/14/11 11:34	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			09/14/11 11:34	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			09/14/11 11:34	1
Trichlorofluoromethane	2.5	U J3	5.0	2.5	ug/L			09/14/11 11:34	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			09/14/11 11:34	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			09/14/11 11:34	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			09/14/11 11:34	1
Vinyl chloride	0.50	U J3	1.0	0.50	ug/L			09/14/11 11:34	1
o-Xylene	0.50	U	1.0	0.50	ug/L			09/14/11 11:34	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			09/14/11 11:34	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			09/14/11 11:34	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			09/14/11 11:34	1
2-Hexanone	4.4	U	10	4.4	ug/L			09/14/11 11:34	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			09/14/11 11:34	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			09/14/11 11:34	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*70 - 130*		*09/14/11 11:34*	*1*
4-Bromofluorobenzene	*99*		*70 - 130*		*09/14/11 11:34*	*1*

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-43479-1

Client Sample ID: Mid Process

Date Collected: 09/13/11 10:20
Date Received: 09/13/11 11:45

Lab Sample ID: 660-43479-2

Matrix: Water

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

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*105*		*70 - 130*		*09/14/11 11:34*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			09/15/11 00:38	1

Surrogate Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-43479-1

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)
660-43479-1	Primary GAC Effluent	101	99	104
660-43479-1 DU	Primary GAC Effluent	101	98	101
660-43479-2	Mid Process	101	99	105
660-43479-2 MS	Mid Process	101	98	105
LCS 660-114967/3	Lab Control Sample	100	99	103
MB 660-114967/5	Method Blank	101	98	98

Surrogate Legend

TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane

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

Lab Sample ID: MB 660-114967/5
Matrix: Water
Analysis Batch: 114967

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			09/14/11 10:01	1
Benzene	0.50	U	1.0	0.50	ug/L			09/14/11 10:01	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			09/14/11 10:01	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			09/14/11 10:01	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			09/14/11 10:01	1
Bromoform	0.58	U	1.0	0.58	ug/L			09/14/11 10:01	1
Bromomethane	2.5	U	5.0	2.5	ug/L			09/14/11 10:01	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			09/14/11 10:01	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			09/14/11 10:01	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			09/14/11 10:01	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			09/14/11 10:01	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			09/14/11 10:01	1
Chloroethane	2.5	U	5.0	2.5	ug/L			09/14/11 10:01	1
Chloroform	0.90	U	1.0	0.90	ug/L			09/14/11 10:01	1
Chloromethane	1.0	U	4.0	1.0	ug/L			09/14/11 10:01	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			09/14/11 10:01	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			09/14/11 10:01	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			09/14/11 10:01	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			09/14/11 10:01	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			09/14/11 10:01	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			09/14/11 10:01	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			09/14/11 10:01	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			09/14/11 10:01	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			09/14/11 10:01	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			09/14/11 10:01	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			09/14/11 10:01	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			09/14/11 10:01	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			09/14/11 10:01	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			09/14/11 10:01	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			09/14/11 10:01	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			09/14/11 10:01	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			09/14/11 10:01	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			09/14/11 10:01	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			09/14/11 10:01	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			09/14/11 10:01	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			09/14/11 10:01	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			09/14/11 10:01	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			09/14/11 10:01	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			09/14/11 10:01	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			09/14/11 10:01	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			09/14/11 10:01	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			09/14/11 10:01	1
Naphthalene	2.5	U	5.0	2.5	ug/L			09/14/11 10:01	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			09/14/11 10:01	1
Styrene	0.98	U	2.0	0.98	ug/L			09/14/11 10:01	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			09/14/11 10:01	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			09/14/11 10:01	1
Toluene	1.0	U	1.0	1.0	ug/L			09/14/11 10:01	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			09/14/11 10:01	1

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

Lab Sample ID: MB 660-114967/5
Matrix: Water
Analysis Batch: 114967

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			09/14/11 10:01	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			09/14/11 10:01	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			09/14/11 10:01	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			09/14/11 10:01	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			09/14/11 10:01	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			09/14/11 10:01	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			09/14/11 10:01	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			09/14/11 10:01	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			09/14/11 10:01	1
o-Xylene	0.50	U	1.0	0.50	ug/L			09/14/11 10:01	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			09/14/11 10:01	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			09/14/11 10:01	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			09/14/11 10:01	1
2-Hexanone	4.4	U	10	4.4	ug/L			09/14/11 10:01	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			09/14/11 10:01	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			09/14/11 10:01	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*70 - 130*		*09/14/11 10:01*	*1*
4-Bromofluorobenzene	*98*		*70 - 130*		*09/14/11 10:01*	*1*
Dibromofluoromethane	*98*		*70 - 130*		*09/14/11 10:01*	*1*

Lab Sample ID: LCS 660-114967/3
Matrix: Water
Analysis Batch: 114967

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	40.0	52.4		ug/L		131	62 - 142
Benzene	20.0	19.9		ug/L		99	68 - 134
Bromobenzene	20.0	20.8		ug/L		104	70 - 130
Chlorobromomethane	20.0	20.4		ug/L		102	70 - 130
Dichlorobromomethane	20.0	20.1		ug/L		100	70 - 130
Bromoform	20.0	19.9		ug/L		99	65 - 130
Bromomethane	20.0	27.2		ug/L		136	22 - 150
n-Butylbenzene	20.0	19.3		ug/L		97	61 - 131
sec-Butylbenzene	20.0	17.2		ug/L		86	68 - 133
tert-Butylbenzene	20.0	22.8		ug/L		114	64 - 130
Carbon tetrachloride	20.0	16.2		ug/L		81	61 - 134
Chlorobenzene	20.0	20.0		ug/L		100	70 - 130
Chloroethane	20.0	29.9		ug/L		150	39 - 150
Chloroform	20.0	19.4		ug/L		97	68 - 130
Chloromethane	20.0	27.3		ug/L		136	35 - 150
2-Chlorotoluene	20.0	19.5		ug/L		98	70 - 130
4-Chlorotoluene	20.0	19.4		ug/L		97	70 - 130
Chlorodibromomethane	20.0	20.0		ug/L		100	70 - 130
1,2-Dibromo-3-Chloropropane	20.0	20.7		ug/L		103	63 - 130
Ethylene Dibromide	20.0	20.1		ug/L		100	66 - 130
Dibromomethane	20.0	20.3		ug/L		102	70 - 130
1,2-Dichlorobenzene	20.0	20.6		ug/L		103	70 - 130

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

Lab Sample ID: LCS 660-114967/3
Matrix: Water
Analysis Batch: 114967

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
1,3-Dichlorobenzene	20.0	21.3		ug/L		106	70 - 130
1,4-Dichlorobenzene	20.0	20.3		ug/L		101	70 - 130
Dichlorodifluoromethane	20.0	31.2	J3	ug/L		156	16 - 149
1,1-Dichloroethane	20.0	20.1		ug/L		101	66 - 130
1,2-Dichloroethane	20.0	21.2		ug/L		106	70 - 130
1,1,1,2-Tetrachloroethane	20.0	20.1		ug/L		100	70 - 130
1,1-Dichloroethene	20.0	21.8		ug/L		109	51 - 150
cis-1,2-Dichloroethene	20.0	20.5		ug/L		102	66 - 130
trans-1,2-Dichloroethene	20.0	21.0		ug/L		105	62 - 139
1,2-Dichloropropane	20.0	19.6		ug/L		98	70 - 130
1,3-Dichloropropane	20.0	20.7		ug/L		104	70 - 130
2,2-Dichloropropane	20.0	19.3		ug/L		97	66 - 134
1,1-Dichloropropene	20.0	17.1		ug/L		86	65 - 136
cis-1,3-Dichloropropene	20.0	20.7		ug/L		103	70 - 130
trans-1,3-Dichloropropene	20.0	21.0		ug/L		105	67 - 130
Ethylbenzene	20.0	19.6		ug/L		98	70 - 130
Hexachlorobutadiene	20.0	20.6		ug/L		103	62 - 143
Isopropylbenzene	20.0	19.8		ug/L		99	62 - 130
4-Isopropyltoluene	20.0	20.0		ug/L		100	65 - 134
Methylene Chloride	20.0	20.8		ug/L		104	57 - 130
Naphthalene	20.0	20.8		ug/L		104	50 - 136
N-Propylbenzene	20.0	17.2		ug/L		86	67 - 130
Styrene	20.0	20.8		ug/L		104	68 - 131
1,1,2,2-Tetrachloroethane	20.0	19.5		ug/L		98	70 - 130
Tetrachloroethene	20.0	20.4		ug/L		102	50 - 143
Toluene	20.0	19.7		ug/L		99	70 - 131
1,2,3-Trichlorobenzene	20.0	20.0		ug/L		100	58 - 132
1,2,4-Trichlorobenzene	20.0	20.9		ug/L		104	66 - 130
1,1,1-Trichloroethane	20.0	16.9		ug/L		84	63 - 132
1,1,2-Trichloroethane	20.0	20.4		ug/L		102	70 - 130
Trichloroethene	20.0	19.3		ug/L		97	63 - 139
Trichlorofluoromethane	20.0	30.4	J3	ug/L		152	62 - 146
1,2,3-Trichloropropane	20.0	19.8		ug/L		99	66 - 130
1,2,4-Trimethylbenzene	20.0	21.1		ug/L		105	70 - 132
1,3,5-Trimethylbenzene	20.0	19.7		ug/L		99	65 - 134
Vinyl chloride	20.0	30.0	J3	ug/L		150	48 - 147
o-Xylene	20.0	20.6		ug/L		103	69 - 130
2-Butanone (MEK)	40.0	49.7		ug/L		124	63 - 140
4-Methyl-2-pentanone (MIBK)	40.0	42.8		ug/L		107	64 - 137
Carbon disulfide	40.0	28.2		ug/L		70	30 - 150
2-Hexanone	40.0	44.3		ug/L		111	60 - 148
Methyl tert-butyl ether	40.0	41.4		ug/L		103	67 - 130

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*100*		*70 - 130*
4-Bromofluorobenzene	*99*		*70 - 130*
Dibromofluoromethane	*103*		*70 - 130*

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

Lab Sample ID: 660-43479-2 MS
Matrix: Water
Analysis Batch: 114967

Client Sample ID: Mid Process
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	12	I	40.0	54.7		ug/L		106	62 - 142
Benzene	0.50	U	20.0	19.4		ug/L		97	68 - 134
Bromobenzene	0.58	U	20.0	20.4		ug/L		102	70 - 130
Chlorobromomethane	0.58	U	20.0	20.8		ug/L		104	70 - 130
Dichlorobromomethane	0.35	U	20.0	19.6		ug/L		98	70 - 130
Bromoform	0.58	U	20.0	17.8		ug/L		89	65 - 130
Bromomethane	2.5	U	20.0	23.1		ug/L		115	22 - 150
n-Butylbenzene	0.67	U	20.0	16.8		ug/L		84	61 - 131
sec-Butylbenzene	0.63	U	20.0	15.2		ug/L		76	68 - 133
tert-Butylbenzene	0.84	U	20.0	17.9		ug/L		89	64 - 130
Carbon tetrachloride	0.42	U	20.0	14.3		ug/L		72	61 - 134
Chlorobenzene	0.63	U	20.0	19.3		ug/L		96	70 - 130
Chloroethane	2.5	U	20.0	27.8		ug/L		139	39 - 150
Chloroform	0.90	U	20.0	18.5		ug/L		93	68 - 130
Chloromethane	1.0	U	20.0	25.0		ug/L		125	35 - 150
2-Chlorotoluene	0.65	U	20.0	18.3		ug/L		91	70 - 130
4-Chlorotoluene	0.52	U	20.0	18.3		ug/L		92	70 - 130
Chlorodibromomethane	0.34	U	20.0	19.5		ug/L		98	70 - 130
1,2-Dibromo-3-Chloropropane	2.5	U	20.0	16.7		ug/L		84	63 - 130
Ethylene Dibromide	0.50	U	20.0	20.1		ug/L		100	66 - 130
Dibromomethane	0.41	U	20.0	20.3		ug/L		102	70 - 130
1,2-Dichlorobenzene	0.44	U	20.0	19.8		ug/L		99	70 - 130
1,3-Dichlorobenzene	0.64	U	20.0	20.3		ug/L		102	70 - 130
1,4-Dichlorobenzene	0.52	U	20.0	19.7		ug/L		99	70 - 130
Dichlorodifluoromethane	2.5	U J3	20.0	27.8		ug/L		139	16 - 149
1,1-Dichloroethane	12		20.0	30.1		ug/L		92	66 - 130
1,2-Dichloroethane	0.57	U	20.0	21.1		ug/L		105	70 - 130
1,1,1,2-Tetrachloroethane	0.63	U	20.0	19.2		ug/L		96	70 - 130
1,1-Dichloroethene	0.45	U	20.0	20.6		ug/L		103	51 - 150
cis-1,2-Dichloroethene	0.65	U	20.0	20.1		ug/L		101	66 - 130
trans-1,2-Dichloroethene	0.44	U	20.0	20.0		ug/L		100	62 - 139
1,2-Dichloropropane	0.52	U	20.0	19.9		ug/L		99	70 - 130
1,3-Dichloropropane	0.39	U	20.0	20.6		ug/L		103	70 - 130
2,2-Dichloropropane	0.36	U	20.0	17.7		ug/L		89	66 - 134
1,1-Dichloropropene	0.31	U	20.0	16.1		ug/L		80	65 - 136
cis-1,3-Dichloropropene	0.14	U	20.0	20.5		ug/L		103	70 - 130
trans-1,3-Dichloropropene	0.14	U	20.0	20.5		ug/L		102	67 - 130
Ethylbenzene	0.44	U	20.0	18.3		ug/L		92	70 - 130
Hexachlorobutadiene	0.40	U	20.0	18.3		ug/L		92	62 - 143
Isopropylbenzene	0.19	U	20.0	17.8		ug/L		89	62 - 130
4-Isopropyltoluene	0.69	U	20.0	17.6		ug/L		88	65 - 134
Methylene Chloride	4.0	U	20.0	19.4		ug/L		97	57 - 130
Naphthalene	2.5	U	20.0	18.3		ug/L		91	50 - 136
N-Propylbenzene	0.59	U	20.0	15.4		ug/L		77	67 - 130
Styrene	0.98	U	20.0	16.7		ug/L		84	68 - 131
1,1,2,2-Tetrachloroethane	0.15	U	20.0	18.6		ug/L		93	70 - 130
Tetrachloroethene	0.50	U	20.0	17.6		ug/L		88	50 - 143
Toluene	1.0	U	20.0	19.0		ug/L		95	70 - 131
1,2,3-Trichlorobenzene	0.77	U	20.0	19.1		ug/L		96	58 - 132

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

Lab Sample ID: 660-43479-2 MS
Matrix: Water
Analysis Batch: 114967

Client Sample ID: Mid Process
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
1,2,4-Trichlorobenzene	0.58	U	20.0	19.4		ug/L		97	66 - 130
1,1,1-Trichloroethane	0.46	U	20.0	15.5		ug/L		77	63 - 132
1,1,2-Trichloroethane	0.47	U	20.0	20.1		ug/L		101	70 - 130
Trichloroethene	0.50	U	20.0	18.1		ug/L		91	63 - 139
Trichlorofluoromethane	2.5	U J3	20.0	25.7		ug/L		128	62 - 146
1,2,3-Trichloropropane	0.18	U	20.0	19.3		ug/L		97	66 - 130
1,2,4-Trimethylbenzene	0.86	U	20.0	17.9		ug/L		89	70 - 132
1,3,5-Trimethylbenzene	0.54	U	20.0	16.7		ug/L		83	65 - 134
Vinyl chloride	0.50	U J3	20.0	22.4		ug/L		112	48 - 147
o-Xylene	0.50	U	20.0	19.2		ug/L		96	69 - 130
2-Butanone (MEK)	8.4	U	40.0	40.6		ug/L		101	63 - 140
4-Methyl-2-pentanone (MIBK)	3.8	U	40.0	39.4		ug/L		99	64 - 137
Carbon disulfide	1.0	U	40.0	24.7		ug/L		62	30 - 150
2-Hexanone	4.4	U	40.0	37.1		ug/L		93	60 - 148
Methyl tert-butyl ether	0.44	U	40.0	40.7		ug/L		102	67 - 130

Surrogate	*MS % Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*101*		*70 - 130*
4-Bromofluorobenzene	*98*		*70 - 130*
Dibromofluoromethane	*105*		*70 - 130*

Lab Sample ID: 660-43479-1 DU
Matrix: Water
Analysis Batch: 114967

Client Sample ID: Primary GAC Effluent
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Acetone	9.9	U	9.9	U	ug/L		NC	30
Benzene	0.50	U	0.50	U	ug/L		NC	30
Bromobenzene	0.58	U	0.58	U	ug/L		NC	30
Chlorobromomethane	0.58	U	0.58	U	ug/L		NC	30
Dichlorobromomethane	0.35	U	0.35	U	ug/L		NC	30
Bromoform	0.58	U	0.58	U	ug/L		NC	30
Bromomethane	2.5	U	2.5	U	ug/L		NC	30
n-Butylbenzene	0.67	U	0.67	U	ug/L		NC	30
sec-Butylbenzene	0.63	U	0.63	U	ug/L		NC	30
tert-Butylbenzene	0.84	U	0.84	U	ug/L		NC	30
Carbon tetrachloride	0.42	U	0.42	U	ug/L		NC	30
Chlorobenzene	0.63	U	0.63	U	ug/L		NC	30
Chloroethane	2.5	U	2.5	U	ug/L		NC	30
Chloroform	0.90	U	0.90	U	ug/L		NC	30
Chloromethane	1.0	U	1.0	U	ug/L		NC	30
2-Chlorotoluene	0.65	U	0.65	U	ug/L		NC	30
4-Chlorotoluene	0.52	U	0.52	U	ug/L		NC	30
Chlorodibromomethane	0.34	U	0.34	U	ug/L		NC	30
1,2-Dibromo-3-Chloropropane	2.5	U	2.5	U	ug/L		NC	30
Ethylene Dibromide	0.50	U	0.50	U	ug/L		NC	30
Dibromomethane	0.41	U	0.41	U	ug/L		NC	30
1,2-Dichlorobenzene	0.44	U	0.44	U	ug/L		NC	30
1,3-Dichlorobenzene	0.64	U	0.64	U	ug/L		NC	30

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

Lab Sample ID: 660-43479-1 DU
Matrix: Water
Analysis Batch: 114967

Client Sample ID: Primary GAC Effluent
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
1,4-Dichlorobenzene	0.52	U		0.52	U	ug/L				NC	30
Dichlorodifluoromethane	2.5	U J3		2.5	U J3	ug/L				NC	30
1,1-Dichloroethane	3.1			2.92		ug/L				5	30
1,2-Dichloroethane	0.57	U		0.57	U	ug/L				NC	30
1,1,1,2-Tetrachloroethane	0.63	U		0.63	U	ug/L				NC	30
1,1-Dichloroethene	0.45	U		0.45	U	ug/L				NC	30
cis-1,2-Dichloroethene	0.65	U		0.65	U	ug/L				NC	30
trans-1,2-Dichloroethene	0.44	U		0.44	U	ug/L				NC	30
1,2-Dichloropropane	0.52	U		0.52	U	ug/L				NC	30
1,3-Dichloropropane	0.39	U		0.39	U	ug/L				NC	30
2,2-Dichloropropane	0.36	U		0.36	U	ug/L				NC	30
1,1-Dichloropropene	0.31	U		0.31	U	ug/L				NC	30
cis-1,3-Dichloropropene	0.14	U		0.14	U	ug/L				NC	30
trans-1,3-Dichloropropene	0.14	U		0.14	U	ug/L				NC	30
Ethylbenzene	0.44	U		0.44	U	ug/L				NC	30
Hexachlorobutadiene	0.40	U		0.40	U	ug/L				NC	30
Isopropylbenzene	0.19	U		0.19	U	ug/L				NC	30
4-Isopropyltoluene	0.69	U		0.69	U	ug/L				NC	30
Methylene Chloride	4.0	U		4.0	U	ug/L				NC	30
Naphthalene	2.5	U		2.5	U	ug/L				NC	30
N-Propylbenzene	0.59	U		0.59	U	ug/L				NC	30
Styrene	0.98	U		0.98	U	ug/L				NC	30
1,1,2,2-Tetrachloroethane	0.15	U		0.15	U	ug/L				NC	30
Tetrachloroethene	0.50	U		0.50	U	ug/L				NC	30
Toluene	1.0	U		1.0	U	ug/L				NC	30
1,2,3-Trichlorobenzene	0.77	U		0.77	U	ug/L				NC	30
1,2,4-Trichlorobenzene	0.58	U		0.58	U	ug/L				NC	30
1,1,1-Trichloroethane	0.46	U		0.46	U	ug/L				NC	30
1,1,2-Trichloroethane	0.47	U		0.47	U	ug/L				NC	30
Trichloroethene	0.50	U		0.50	U	ug/L				NC	30
Trichlorofluoromethane	2.5	U J3		2.5	U J3	ug/L				NC	30
1,2,3-Trichloropropane	0.18	U		0.18	U	ug/L				NC	30
1,2,4-Trimethylbenzene	0.86	U		0.86	U	ug/L				NC	30
1,3,5-Trimethylbenzene	0.54	U		0.54	U	ug/L				NC	30
Vinyl chloride	0.50	U J3		0.50	U J3	ug/L				NC	30
o-Xylene	0.50	U		0.50	U	ug/L				NC	30
2-Butanone (MEK)	8.4	U		8.4	U	ug/L				NC	30
4-Methyl-2-pentanone (MIBK)	3.8	U		3.8	U	ug/L				NC	30
Carbon disulfide	1.0	U		1.0	U	ug/L				NC	30
2-Hexanone	4.4	U		4.4	U	ug/L				NC	30
Methyl tert-butyl ether	0.44	U		0.44	U	ug/L				NC	30
m-Xylene & p-Xylene	0.60	U		0.60	U	ug/L				NC	30

Surrogate	*DU % Recovery*	*DU Qualifier*	*Limits*
Toluene-d8 (Surr)	*101*		*70 - 130*
4-Bromofluorobenzene	*98*		*70 - 130*
Dibromofluoromethane	*101*		*70 - 130*

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-43479-1

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Lab Sample ID: MB 660-114985/12 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 114985

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			09/14/11 23:45	1

Lab Sample ID: LCS 660-114985/11 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 114985

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits		
1,4-Dioxane			25.0	32.0		ug/L		128	50 - 150		

Lab Sample ID: 660-43479-2 MS — **Client Sample ID: Mid Process**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 114985

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits		
1,4-Dioxane	1.0	U	25.0	22.3		ug/L		89	50 - 150		

Lab Sample ID: 660-43479-1 DU — **Client Sample ID: Primary GAC Effluent**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 114985

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
1,4-Dioxane	1.0	U		1.0	U	ug/L				NC	50

QC Association Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-43479-1

GC/MS VOA

Analysis Batch: 114967

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-43479-1	Primary GAC Effluent	Total/NA	Water	8260B	
660-43479-1 DU	Primary GAC Effluent	Total/NA	Water	8260B	
660-43479-2	Mid Process	Total/NA	Water	8260B	
660-43479-2 MS	Mid Process	Total/NA	Water	8260B	
LCS 660-114967/3	Lab Control Sample	Total/NA	Water	8260B	
MB 660-114967/5	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 114985

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-43479-1	Primary GAC Effluent	Total/NA	Water	8260C _SIM/ID	
660-43479-1 DU	Primary GAC Effluent	Total/NA	Water	8260C _SIM/ID	
660-43479-2	Mid Process	Total/NA	Water	8260C _SIM/ID	
660-43479-2 MS	Mid Process	Total/NA	Water	8260C _SIM/ID	
LCS 660-114985/11	Lab Control Sample	Total/NA	Water	8260C _SIM/ID	
MB 660-114985/12	Method Blank	Total/NA	Water	8260C _SIM/ID	

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-43479-1

Client Sample ID: Primary GAC Effluent

Lab Sample ID: 660-43479-1

Date Collected: 09/13/11 10:15

Matrix: Water

Date Received: 09/13/11 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	114967	09/14/11 10:56	AP	TAL TAM
Total/NA	Analysis	8260C _SIM/ID		1	114985	09/15/11 00:03	RM	TAL TAM

Client Sample ID: Mid Process

Lab Sample ID: 660-43479-2

Date Collected: 09/13/11 10:20

Matrix: Water

Date Received: 09/13/11 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	114967	09/14/11 11:34	AP	TAL TAM
Total/NA	Analysis	8260C _SIM/ID		1	114985	09/15/11 00:38	RM	TAL TAM

Laboratory References:
TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Certification Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-43479-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Tampa	Alabama	State Program	4	40610
TestAmerica Tampa	Florida	NELAC	4	E84282
TestAmerica Tampa	Georgia	State Program	4	905
TestAmerica Tampa	USDA	USDA		P330-11-00177

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-43479-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL TAM
8260C _SIM/ID	1,4-Dioxane by SIM/Isotopic Dilution	SW846	TAL TAM

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-43479-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
660-43479-1	Primary GAC Effluent	Water	09/13/11 10:15	09/13/11 11:45
660-43479-2	Mid Process	Water	09/13/11 10:20	09/13/11 11:45

Serial Number 018030

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

660-43479

TestAmerica Tampa
6712 Benjamin Road, Suite 100
Tampa, FL 33634
Website: www.testamericainc.com
Phone: (813) 885-7427
Fax: (813) 885-7049

Alternate Laboratory Name/Location
Phone:
Fax:

PROJECT REFERENCE: Tallevast Carbon OM	PROJECT NO.: 35055.0035.00009	PROJECT LOCATION (STATE): FL	PAGE 1 OF 1
SAMPLER'S SIGNATURE: [signature]	P.O. NUMBER:	CONTRACT NO.:	STANDARD REPORT DELIVERY ○
CLIENT (SITE) PM: Don Sauda	CLIENT PHONE:	CLIENT FAX:	DATE DUE
CLIENT NAME: Arcadis	CLIENT E-MAIL: donald.sauda@arcadisus.com		EXPEDITED REPORT DELIVERY (SURCHARGE) ☒
CLIENT ADDRESS: 1600 Tallevast Rd Sarasota, FL 34243			DATE DUE: 48 hrs
COMPANY CONTRACTING THIS WORK (if applicable): CMC			NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

PRESERVATIVE

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT...)	NUMBER OF CONTAINERS SUBMITTED	REMARKS
9-13-11	1015	Primary GAC effluent							inf flow = 21.8
9-13-11	1020	Mid Process							Sys flow = 21
									inf pH = 7.8
									eff pH = 6.6

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature]			[signature]	9-13-11	1145			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
[signature]	9-12-11	0800	[signature]	9-13-11	1145			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT YES ○ NO ○	CUSTODY SEAL NO.	TAMPA LOG NO.	COOLER TEMP UPON RECEIPT	LABORATORY REMARKS
						3.9° C (4.07)	

TAL8240-660 (0209)

09/15/2011

R625-EDC-002289-0

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 660-43479-1

Login Number: 43479
List Number: 1
Creator: Redding, Charles S

List Source: TestAmerica Tampa

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	3.9 degrees C CU-07
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Tampa
6712 Benjamin Road
Suite 100
Tampa, FL 33634
Tel: (813)885-7427

TestAmerica Job ID: 660-43623-1
Client Project/Site: Tallevast Carbon OM
Revision: 1

For:
ARCADIS U.S. Inc
6723 Towpath Road
PO BOX 66
Syracuse, New York 13214

Attn: Donald Sauda

Authorized for release by:
09/23/2011 11:47:29 AM

Tina Fritz
Project Manager II
tina.fritz@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

Results relate only to the items tested and the sample(s) as received by the laboratory. The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

R625-EDC-002289-0

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates that the compound was analyzed for but not detected.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
U	Indicates that the compound was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit (Dioxin)
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or method detection limit if shown)
PQL	Practical Quantitation Limit
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 660-43623-1

Laboratory: TestAmerica Tampa

Narrative

Job Narrative
660-43623-1

Comment
Report revised 9/23/11 to correct sample identification on the duplicate sample

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
Method 8260B: The matrix spike (MS) recoveries for batch 115277 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

Job Narrative
660-43682-1

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
Method 8260B: The matrix spike (MS) recoveries for batch 115407 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-43623-1

Client Sample ID: Dup 1 — Lab Sample ID: 660-43623-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	16	I	20	9.9	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	11		1.0	0.52	ug/L	1		8260B	Total/NA

Client Sample ID: Mid Process — Lab Sample ID: 660-43623-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	16	I	20	9.9	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	12		1.0	0.52	ug/L	1		8260B	Total/NA

Client Sample ID: Primary GAC Effluent — Lab Sample ID: 660-43682-1

No Detections

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-43623-1

Client Sample ID: Dup 1

Date Collected: 09/20/11 09:00
Date Received: 09/20/11 13:15

Lab Sample ID: 660-43623-1

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**16**	**I**	20	9.9	ug/L			09/20/11 23:05	1
Benzene	0.50	U	1.0	0.50	ug/L			09/20/11 23:05	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			09/20/11 23:05	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			09/20/11 23:05	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			09/20/11 23:05	1
Bromoform	0.58	U	1.0	0.58	ug/L			09/20/11 23:05	1
Bromomethane	2.5	U	5.0	2.5	ug/L			09/20/11 23:05	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			09/20/11 23:05	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			09/20/11 23:05	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			09/20/11 23:05	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			09/20/11 23:05	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			09/20/11 23:05	1
Chloroethane	2.5	U	5.0	2.5	ug/L			09/20/11 23:05	1
Chloroform	0.90	U	1.0	0.90	ug/L			09/20/11 23:05	1
Chloromethane	1.0	U	4.0	1.0	ug/L			09/20/11 23:05	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			09/20/11 23:05	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			09/20/11 23:05	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			09/20/11 23:05	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			09/20/11 23:05	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			09/20/11 23:05	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			09/20/11 23:05	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			09/20/11 23:05	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			09/20/11 23:05	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			09/20/11 23:05	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			09/20/11 23:05	1
1,1-Dichloroethane	**11**		1.0	0.52	ug/L			09/20/11 23:05	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			09/20/11 23:05	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			09/20/11 23:05	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			09/20/11 23:05	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			09/20/11 23:05	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			09/20/11 23:05	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			09/20/11 23:05	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			09/20/11 23:05	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			09/20/11 23:05	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			09/20/11 23:05	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			09/20/11 23:05	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			09/20/11 23:05	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			09/20/11 23:05	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			09/20/11 23:05	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			09/20/11 23:05	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			09/20/11 23:05	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			09/20/11 23:05	1
Naphthalene	2.5	U	5.0	2.5	ug/L			09/20/11 23:05	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			09/20/11 23:05	1
Styrene	0.98	U	2.0	0.98	ug/L			09/20/11 23:05	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			09/20/11 23:05	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			09/20/11 23:05	1
Toluene	1.0	U	1.0	1.0	ug/L			09/20/11 23:05	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			09/20/11 23:05	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			09/20/11 23:05	1

Client Sample ID: Dup 1

Lab Sample ID: 660-43623-1

Date Collected: 09/20/11 09:00

Matrix: Water

Date Received: 09/20/11 13:15

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			09/20/11 23:05	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			09/20/11 23:05	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			09/20/11 23:05	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			09/20/11 23:05	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			09/20/11 23:05	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			09/20/11 23:05	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			09/20/11 23:05	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			09/20/11 23:05	1
o-Xylene	0.50	U	1.0	0.50	ug/L			09/20/11 23:05	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			09/20/11 23:05	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			09/20/11 23:05	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			09/20/11 23:05	1
2-Hexanone	4.4	U	10	4.4	ug/L			09/20/11 23:05	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			09/20/11 23:05	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			09/20/11 23:05	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*70 - 130*		*09/20/11 23:05*	*1*
4-Bromofluorobenzene	*101*		*70 - 130*		*09/20/11 23:05*	*1*
Dibromofluoromethane	*91*		*70 - 130*		*09/20/11 23:05*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			09/21/11 11:07	1

Client Sample ID: Mid Process

Lab Sample ID: 660-43623-2

Date Collected: 09/20/11 09:10

Matrix: Water

Date Received: 09/20/11 13:15

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**16**	**I**	20	9.9	ug/L			09/20/11 23:46	1
Benzene	0.50	U	1.0	0.50	ug/L			09/20/11 23:46	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			09/20/11 23:46	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			09/20/11 23:46	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			09/20/11 23:46	1
Bromoform	0.58	U	1.0	0.58	ug/L			09/20/11 23:46	1
Bromomethane	2.5	U J3	5.0	2.5	ug/L			09/20/11 23:46	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			09/20/11 23:46	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			09/20/11 23:46	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			09/20/11 23:46	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			09/20/11 23:46	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			09/20/11 23:46	1
Chloroethane	2.5	U	5.0	2.5	ug/L			09/20/11 23:46	1
Chloroform	0.90	U	1.0	0.90	ug/L			09/20/11 23:46	1
Chloromethane	1.0	U	4.0	1.0	ug/L			09/20/11 23:46	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			09/20/11 23:46	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			09/20/11 23:46	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			09/20/11 23:46	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			09/20/11 23:46	1

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-43623-1

Client Sample ID: Mid Process
Date Collected: 09/20/11 09:10
Date Received: 09/20/11 13:15

Lab Sample ID: 660-43623-2
Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			09/20/11 23:46	1
Dibromomethane	0.41	U J3	1.0	0.41	ug/L			09/20/11 23:46	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			09/20/11 23:46	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			09/20/11 23:46	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			09/20/11 23:46	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			09/20/11 23:46	1
1,1-Dichloroethane	**12**		1.0	0.52	ug/L			09/20/11 23:46	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			09/20/11 23:46	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			09/20/11 23:46	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			09/20/11 23:46	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			09/20/11 23:46	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			09/20/11 23:46	1
1,2-Dichloropropane	0.52	U J3	1.0	0.52	ug/L			09/20/11 23:46	1
1,3-Dichloropropane	0.39	U J3	1.0	0.39	ug/L			09/20/11 23:46	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			09/20/11 23:46	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			09/20/11 23:46	1
cis-1,3-Dichloropropene	0.14	U J3	1.0	0.14	ug/L			09/20/11 23:46	1
trans-1,3-Dichloropropene	0.14	U J3	1.0	0.14	ug/L			09/20/11 23:46	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			09/20/11 23:46	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			09/20/11 23:46	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			09/20/11 23:46	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			09/20/11 23:46	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			09/20/11 23:46	1
Naphthalene	2.5	U	5.0	2.5	ug/L			09/20/11 23:46	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			09/20/11 23:46	1
Styrene	0.98	U	2.0	0.98	ug/L			09/20/11 23:46	1
1,1,2,2-Tetrachloroethane	0.15	U J3	1.0	0.15	ug/L			09/20/11 23:46	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			09/20/11 23:46	1
Toluene	1.0	U	1.0	1.0	ug/L			09/20/11 23:46	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			09/20/11 23:46	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			09/20/11 23:46	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			09/20/11 23:46	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			09/20/11 23:46	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			09/20/11 23:46	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			09/20/11 23:46	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			09/20/11 23:46	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			09/20/11 23:46	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			09/20/11 23:46	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			09/20/11 23:46	1
o-Xylene	0.50	U	1.0	0.50	ug/L			09/20/11 23:46	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			09/20/11 23:46	1
4-Methyl-2-pentanone (MIBK)	3.8	U J3	10	3.8	ug/L			09/20/11 23:46	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			09/20/11 23:46	1
2-Hexanone	4.4	U	10	4.4	ug/L			09/20/11 23:46	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			09/20/11 23:46	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			09/20/11 23:46	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*70 - 130*		*09/20/11 23:46*	*1*
4-Bromofluorobenzene	*102*		*70 - 130*		*09/20/11 23:46*	*1*

Client Sample ID: Mid Process

Lab Sample ID: 660-43623-2

Date Collected: 09/20/11 09:10

Matrix: Water

Date Received: 09/20/11 13:15

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

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*89*		*70 - 130*		*09/20/11 23:46*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			09/21/11 11:47	1

Client Sample ID: Primary GAC Effluent

Lab Sample ID: 660-43682-1

Date Collected: 09/22/11 11:30

Matrix: Water

Date Received: 09/22/11 12:15

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			09/22/11 16:30	1
Benzene	0.50	U	1.0	0.50	ug/L			09/22/11 16:30	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			09/22/11 16:30	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			09/22/11 16:30	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			09/22/11 16:30	1
Bromoform	0.58	U	1.0	0.58	ug/L			09/22/11 16:30	1
Bromomethane	2.5	U	5.0	2.5	ug/L			09/22/11 16:30	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			09/22/11 16:30	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			09/22/11 16:30	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			09/22/11 16:30	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			09/22/11 16:30	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			09/22/11 16:30	1
Chloroethane	2.5	U	5.0	2.5	ug/L			09/22/11 16:30	1
Chloroform	0.90	U	1.0	0.90	ug/L			09/22/11 16:30	1
Chloromethane	1.0	U	4.0	1.0	ug/L			09/22/11 16:30	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			09/22/11 16:30	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			09/22/11 16:30	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			09/22/11 16:30	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			09/22/11 16:30	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			09/22/11 16:30	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			09/22/11 16:30	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			09/22/11 16:30	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			09/22/11 16:30	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			09/22/11 16:30	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			09/22/11 16:30	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			09/22/11 16:30	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			09/22/11 16:30	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			09/22/11 16:30	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			09/22/11 16:30	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			09/22/11 16:30	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			09/22/11 16:30	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			09/22/11 16:30	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			09/22/11 16:30	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			09/22/11 16:30	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			09/22/11 16:30	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			09/22/11 16:30	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			09/22/11 16:30	1

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-43623-1

Client Sample ID: Primary GAC Effluent

Lab Sample ID: 660-43682-1

Date Collected: 09/22/11 11:30
Matrix: Water
Date Received: 09/22/11 12:15

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	0.44	U	1.0	0.44	ug/L			09/22/11 16:30	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			09/22/11 16:30	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			09/22/11 16:30	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			09/22/11 16:30	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			09/22/11 16:30	1
Naphthalene	2.5	U	5.0	2.5	ug/L			09/22/11 16:30	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			09/22/11 16:30	1
Styrene	0.98	U	2.0	0.98	ug/L			09/22/11 16:30	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			09/22/11 16:30	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			09/22/11 16:30	1
Toluene	1.0	U	1.0	1.0	ug/L			09/22/11 16:30	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			09/22/11 16:30	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			09/22/11 16:30	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			09/22/11 16:30	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			09/22/11 16:30	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			09/22/11 16:30	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			09/22/11 16:30	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			09/22/11 16:30	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			09/22/11 16:30	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			09/22/11 16:30	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			09/22/11 16:30	1
o-Xylene	0.50	U	1.0	0.50	ug/L			09/22/11 16:30	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			09/22/11 16:30	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			09/22/11 16:30	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			09/22/11 16:30	1
2-Hexanone	4.4	U	10	4.4	ug/L			09/22/11 16:30	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			09/22/11 16:30	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			09/22/11 16:30	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*105*		*70 - 130*		*09/22/11 16:30*	*1*
4-Bromofluorobenzene	*106*		*70 - 130*		*09/22/11 16:30*	*1*
Dibromofluoromethane	*92*		*70 - 130*		*09/22/11 16:30*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			09/22/11 16:50	1

Surrogate Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-43623-1

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)
660-43611-C-12 MS	Matrix Spike	105	101	94
660-43611-C-13 DU	Duplicate	103	109	92
660-43623-1	Dup 1	102	101	91
660-43623-1 DU	Dup 1	103	102	90
660-43623-2	Mid Process	102	102	89
660-43623-2 MS	Mid Process	103	104	94
660-43682-1	Primary GAC Effluent	105	106	92
LCS 660-115277/11	Lab Control Sample	100	103	95
LCS 660-115407/3	Lab Control Sample	103	106	99
MB 660-115277/12	Method Blank	100	101	93
MB 660-115407/5	Method Blank	103	111	94

Surrogate Legend

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene

DBFM = Dibromofluoromethane

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

Lab Sample ID: MB 660-115277/12
Matrix: Water
Analysis Batch: 115277

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			09/20/11 22:44	1
Benzene	0.50	U	1.0	0.50	ug/L			09/20/11 22:44	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			09/20/11 22:44	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			09/20/11 22:44	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			09/20/11 22:44	1
Bromoform	0.58	U	1.0	0.58	ug/L			09/20/11 22:44	1
Bromomethane	2.5	U	5.0	2.5	ug/L			09/20/11 22:44	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			09/20/11 22:44	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			09/20/11 22:44	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			09/20/11 22:44	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			09/20/11 22:44	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			09/20/11 22:44	1
Chloroethane	2.5	U	5.0	2.5	ug/L			09/20/11 22:44	1
Chloroform	0.90	U	1.0	0.90	ug/L			09/20/11 22:44	1
Chloromethane	1.0	U	4.0	1.0	ug/L			09/20/11 22:44	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			09/20/11 22:44	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			09/20/11 22:44	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			09/20/11 22:44	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			09/20/11 22:44	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			09/20/11 22:44	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			09/20/11 22:44	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			09/20/11 22:44	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			09/20/11 22:44	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			09/20/11 22:44	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			09/20/11 22:44	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			09/20/11 22:44	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			09/20/11 22:44	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			09/20/11 22:44	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			09/20/11 22:44	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			09/20/11 22:44	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			09/20/11 22:44	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			09/20/11 22:44	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			09/20/11 22:44	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			09/20/11 22:44	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			09/20/11 22:44	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			09/20/11 22:44	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			09/20/11 22:44	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			09/20/11 22:44	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			09/20/11 22:44	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			09/20/11 22:44	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			09/20/11 22:44	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			09/20/11 22:44	1
Naphthalene	2.5	U	5.0	2.5	ug/L			09/20/11 22:44	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			09/20/11 22:44	1
Styrene	0.98	U	2.0	0.98	ug/L			09/20/11 22:44	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			09/20/11 22:44	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			09/20/11 22:44	1
Toluene	1.0	U	1.0	1.0	ug/L			09/20/11 22:44	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			09/20/11 22:44	1

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

Lab Sample ID: MB 660-115277/12
Matrix: Water
Analysis Batch: 115277

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			09/20/11 22:44	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			09/20/11 22:44	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			09/20/11 22:44	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			09/20/11 22:44	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			09/20/11 22:44	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			09/20/11 22:44	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			09/20/11 22:44	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			09/20/11 22:44	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			09/20/11 22:44	1
o-Xylene	0.50	U	1.0	0.50	ug/L			09/20/11 22:44	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			09/20/11 22:44	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			09/20/11 22:44	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			09/20/11 22:44	1
2-Hexanone	4.4	U	10	4.4	ug/L			09/20/11 22:44	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			09/20/11 22:44	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			09/20/11 22:44	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*70 - 130*		*09/20/11 22:44*	*1*
4-Bromofluorobenzene	*101*		*70 - 130*		*09/20/11 22:44*	*1*
Dibromofluoromethane	*93*		*70 - 130*		*09/20/11 22:44*	*1*

Lab Sample ID: LCS 660-115277/11
Matrix: Water
Analysis Batch: 115277

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	40.0	54.0		ug/L		135	62 - 142
Benzene	20.0	20.1		ug/L		100	68 - 134
Bromobenzene	20.0	21.2		ug/L		106	70 - 130
Chlorobromomethane	20.0	16.9		ug/L		84	70 - 130
Dichlorobromomethane	20.0	21.8		ug/L		109	70 - 130
Bromoform	20.0	18.8		ug/L		94	65 - 130
Bromomethane	20.0	28.8		ug/L		144	22 - 150
n-Butylbenzene	20.0	24.3		ug/L		122	61 - 131
sec-Butylbenzene	20.0	22.5		ug/L		112	68 - 133
tert-Butylbenzene	20.0	22.8		ug/L		114	64 - 130
Carbon tetrachloride	20.0	19.7		ug/L		99	61 - 134
Chlorobenzene	20.0	21.4		ug/L		107	70 - 130
Chloroethane	20.0	19.8		ug/L		99	39 - 150
Chloroform	20.0	19.7		ug/L		99	68 - 130
Chloromethane	20.0	20.5		ug/L		102	35 - 150
2-Chlorotoluene	20.0	22.2		ug/L		111	70 - 130
4-Chlorotoluene	20.0	22.7		ug/L		114	70 - 130
Chlorodibromomethane	20.0	21.2		ug/L		106	70 - 130
1,2-Dibromo-3-Chloropropane	20.0	21.4		ug/L		107	63 - 130
Ethylene Dibromide	20.0	21.5		ug/L		107	66 - 130
Dibromomethane	20.0	21.8		ug/L		109	70 - 130
1,2-Dichlorobenzene	20.0	21.0		ug/L		105	70 - 130

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

Lab Sample ID: LCS 660-115277/11
Matrix: Water
Analysis Batch: 115277

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
1,3-Dichlorobenzene	20.0	21.8		ug/L		109	70 - 130
1,4-Dichlorobenzene	20.0	21.3		ug/L		106	70 - 130
Dichlorodifluoromethane	20.0	21.1		ug/L		105	16 - 149
1,1-Dichloroethane	20.0	19.7		ug/L		99	66 - 130
1,2-Dichloroethane	20.0	20.7		ug/L		103	70 - 130
1,1,1,2-Tetrachloroethane	20.0	21.3		ug/L		107	70 - 130
1,1-Dichloroethene	20.0	18.7		ug/L		94	51 - 150
cis-1,2-Dichloroethene	20.0	20.6		ug/L		103	66 - 130
trans-1,2-Dichloroethene	20.0	19.3		ug/L		97	62 - 139
1,2-Dichloropropane	20.0	22.3		ug/L		111	70 - 130
1,3-Dichloropropane	20.0	22.2		ug/L		111	70 - 130
2,2-Dichloropropane	20.0	20.7		ug/L		103	66 - 134
1,1-Dichloropropene	20.0	20.5		ug/L		102	65 - 136
cis-1,3-Dichloropropene	20.0	20.9		ug/L		105	70 - 130
trans-1,3-Dichloropropene	20.0	22.9		ug/L		114	67 - 130
Ethylbenzene	20.0	21.5		ug/L		108	70 - 130
Hexachlorobutadiene	20.0	23.0		ug/L		115	62 - 143
Isopropylbenzene	20.0	22.3		ug/L		112	62 - 130
4-Isopropyltoluene	20.0	22.7		ug/L		114	65 - 134
Methylene Chloride	20.0	19.0		ug/L		95	57 - 130
Naphthalene	20.0	22.0		ug/L		110	50 - 136
N-Propylbenzene	20.0	22.8		ug/L		114	67 - 130
Styrene	20.0	21.5		ug/L		107	68 - 131
1,1,2,2-Tetrachloroethane	20.0	22.3		ug/L		111	70 - 130
Tetrachloroethene	20.0	17.5		ug/L		87	50 - 143
Toluene	20.0	21.2		ug/L		106	70 - 131
1,2,3-Trichlorobenzene	20.0	22.9		ug/L		115	58 - 132
1,2,4-Trichlorobenzene	20.0	23.0		ug/L		115	66 - 130
1,1,1-Trichloroethane	20.0	19.5		ug/L		97	63 - 132
1,1,2-Trichloroethane	20.0	21.9		ug/L		109	70 - 130
Trichloroethene	20.0	17.3		ug/L		87	63 - 139
Trichlorofluoromethane	20.0	24.3		ug/L		122	62 - 146
1,2,3-Trichloropropane	20.0	21.2		ug/L		106	66 - 130
1,2,4-Trimethylbenzene	20.0	22.6		ug/L		113	70 - 132
1,3,5-Trimethylbenzene	20.0	22.5		ug/L		113	65 - 134
Vinyl chloride	20.0	20.8		ug/L		104	48 - 147
o-Xylene	20.0	21.1		ug/L		106	69 - 130
2-Butanone (MEK)	40.0	43.0		ug/L		107	63 - 140
4-Methyl-2-pentanone (MIBK)	40.0	45.7		ug/L		114	64 - 137
Carbon disulfide	40.0	40.3		ug/L		101	30 - 150
2-Hexanone	40.0	46.4		ug/L		116	60 - 148
Methyl tert-butyl ether	40.0	42.7		ug/L		107	67 - 130

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*100*		*70 - 130*
4-Bromofluorobenzene	*103*		*70 - 130*
Dibromofluoromethane	*95*		*70 - 130*

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

Lab Sample ID: 660-43623-2 MS
Matrix: Water
Analysis Batch: 115277

Client Sample ID: Mid Process
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	16	I	40.0	62.7		ug/L		117	62 - 142
Benzene	0.50	U	20.0	23.0		ug/L		115	68 - 134
Bromobenzene	0.58	U	20.0	24.5		ug/L		123	70 - 130
Chlorobromomethane	0.58	U	20.0	19.8		ug/L		99	70 - 130
Dichlorobromomethane	0.35	U	20.0	26.0		ug/L		130	70 - 130
Bromoform	0.58	U	20.0	21.7		ug/L		109	65 - 130
Bromomethane	2.5	U J3	20.0	41.2	J3	ug/L		206	22 - 150
n-Butylbenzene	0.67	U	20.0	24.2		ug/L		121	61 - 131
sec-Butylbenzene	0.63	U	20.0	23.2		ug/L		116	68 - 133
tert-Butylbenzene	0.84	U	20.0	25.0		ug/L		125	64 - 130
Carbon tetrachloride	0.42	U	20.0	20.3		ug/L		102	61 - 134
Chlorobenzene	0.63	U	20.0	24.9		ug/L		125	70 - 130
Chloroethane	2.5	U	20.0	27.0		ug/L		135	39 - 150
Chloroform	0.90	U	20.0	22.9		ug/L		114	68 - 130
Chloromethane	1.0	U	20.0	23.6		ug/L		118	35 - 150
2-Chlorotoluene	0.65	U	20.0	25.0		ug/L		125	70 - 130
4-Chlorotoluene	0.52	U	20.0	25.6		ug/L		128	70 - 130
Chlorodibromomethane	0.34	U	20.0	25.3		ug/L		126	70 - 130
1,2-Dibromo-3-Chloropropane	2.5	U	20.0	24.8		ug/L		124	63 - 130
Ethylene Dibromide	0.50	U	20.0	25.4		ug/L		127	66 - 130
Dibromomethane	0.41	U J3	20.0	26.2	J3	ug/L		131	70 - 130
1,2-Dichlorobenzene	0.44	U	20.0	24.4		ug/L		122	70 - 130
1,3-Dichlorobenzene	0.64	U	20.0	24.5		ug/L		123	70 - 130
1,4-Dichlorobenzene	0.52	U	20.0	24.5		ug/L		122	70 - 130
Dichlorodifluoromethane	2.5	U	20.0	22.5		ug/L		113	16 - 149
1,1-Dichloroethane	12		20.0	33.4		ug/L		107	66 - 130
1,2-Dichloroethane	0.57	U	20.0	25.1		ug/L		125	70 - 130
1,1,1,2-Tetrachloroethane	0.63	U	20.0	24.6		ug/L		123	70 - 130
1,1-Dichloroethene	0.45	U	20.0	18.5		ug/L		93	51 - 150
cis-1,2-Dichloroethene	0.65	U	20.0	24.0		ug/L		120	66 - 130
trans-1,2-Dichloroethene	0.44	U	20.0	21.1		ug/L		106	62 - 139
1,2-Dichloropropane	0.52	U J3	20.0	26.9	J3	ug/L		135	70 - 130
1,3-Dichloropropane	0.39	U J3	20.0	26.7	J3	ug/L		134	70 - 130
2,2-Dichloropropane	0.36	U	20.0	21.4		ug/L		107	66 - 134
1,1-Dichloropropene	0.31	U	20.0	21.6		ug/L		108	65 - 136
cis-1,3-Dichloropropene	0.14	U J3	20.0	26.6	J3	ug/L		133	70 - 130
trans-1,3-Dichloropropene	0.14	U J3	20.0	27.3	J3	ug/L		136	67 - 130
Ethylbenzene	0.44	U	20.0	23.7		ug/L		119	70 - 130
Hexachlorobutadiene	0.40	U	20.0	22.2		ug/L		111	62 - 143
Isopropylbenzene	0.19	U	20.0	24.0		ug/L		120	62 - 130
4-Isopropyltoluene	0.69	U	20.0	23.2		ug/L		116	65 - 134
Methylene Chloride	4.0	U	20.0	21.9		ug/L		109	57 - 130
Naphthalene	2.5	U	20.0	24.4		ug/L		122	50 - 136
N-Propylbenzene	0.59	U	20.0	24.6		ug/L		123	67 - 130
Styrene	0.98	U	20.0	18.7		ug/L		93	68 - 131
1,1,2,2-Tetrachloroethane	0.15	U J3	20.0	26.4	J3	ug/L		132	70 - 130
Tetrachloroethene	0.50	U	20.0	17.5		ug/L		87	50 - 143
Toluene	1.0	U	20.0	23.8		ug/L		119	70 - 131
1,2,3-Trichlorobenzene	0.77	U	20.0	25.8		ug/L		129	58 - 132

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

Lab Sample ID: 660-43623-2 MS
Matrix: Water
Analysis Batch: 115277

Client Sample ID: Mid Process
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
1,2,4-Trichlorobenzene	0.58	U	20.0	25.1		ug/L		125	66 - 130
1,1,1-Trichloroethane	0.46	U	20.0	21.3		ug/L		106	63 - 132
1,1,2-Trichloroethane	0.47	U	20.0	26.1	J3	ug/L		131	70 - 130
Trichloroethene	0.50	U	20.0	18.1		ug/L		90	63 - 139
Trichlorofluoromethane	2.5	U	20.0	27.9		ug/L		140	62 - 146
1,2,3-Trichloropropane	0.18	U	20.0	25.1		ug/L		125	66 - 130
1,2,4-Trimethylbenzene	0.86	U	20.0	21.9		ug/L		110	70 - 132
1,3,5-Trimethylbenzene	0.54	U	20.0	21.9		ug/L		109	65 - 134
Vinyl chloride	0.50	U	20.0	22.2		ug/L		111	48 - 147
o-Xylene	0.50	U	20.0	23.7		ug/L		119	69 - 130
2-Butanone (MEK)	8.4	U	40.0	47.7		ug/L		119	63 - 140
4-Methyl-2-pentanone (MIBK)	3.8	U J3	40.0	57.0	J3	ug/L		142	64 - 137
Carbon disulfide	1.0	U	40.0	44.4		ug/L		111	30 - 150
2-Hexanone	4.4	U	40.0	53.5		ug/L		134	60 - 148
Methyl tert-butyl ether	0.44	U	40.0	52.1		ug/L		130	67 - 130

Surrogate	*MS % Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*103*		*70 - 130*
4-Bromofluorobenzene	*104*		*70 - 130*
Dibromofluoromethane	*94*		*70 - 130*

Lab Sample ID: 660-43623-1 DU
Matrix: Water
Analysis Batch: 115277

Client Sample ID: Dup 1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Acetone	16	I	18.0	I	ug/L		12	30
Benzene	0.50	U	0.50	U	ug/L		NC	30
Bromobenzene	0.58	U	0.58	U	ug/L		NC	30
Chlorobromomethane	0.58	U	0.58	U	ug/L		NC	30
Dichlorobromomethane	0.35	U	0.35	U	ug/L		NC	30
Bromoform	0.58	U	0.58	U	ug/L		NC	30
Bromomethane	2.5	U	2.5	U	ug/L		NC	30
n-Butylbenzene	0.67	U	0.67	U	ug/L		NC	30
sec-Butylbenzene	0.63	U	0.63	U	ug/L		NC	30
tert-Butylbenzene	0.84	U	0.84	U	ug/L		NC	30
Carbon tetrachloride	0.42	U	0.42	U	ug/L		NC	30
Chlorobenzene	0.63	U	0.63	U	ug/L		NC	30
Chloroethane	2.5	U	2.5	U	ug/L		NC	30
Chloroform	0.90	U	0.90	U	ug/L		NC	30
Chloromethane	1.0	U	1.0	U	ug/L		NC	30
2-Chlorotoluene	0.65	U	0.65	U	ug/L		NC	30
4-Chlorotoluene	0.52	U	0.52	U	ug/L		NC	30
Chlorodibromomethane	0.34	U	0.34	U	ug/L		NC	30
1,2-Dibromo-3-Chloropropane	2.5	U	2.5	U	ug/L		NC	30
Ethylene Dibromide	0.50	U	0.50	U	ug/L		NC	30
Dibromomethane	0.41	U	0.41	U	ug/L		NC	30
1,2-Dichlorobenzene	0.44	U	0.44	U	ug/L		NC	30
1,3-Dichlorobenzene	0.64	U	0.64	U	ug/L		NC	30

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

Lab Sample ID: 660-43623-1 DU
Matrix: Water
Analysis Batch: 115277

Client Sample ID: Dup 1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
1,4-Dichlorobenzene	0.52	U		0.52	U	ug/L				NC	30
Dichlorodifluoromethane	2.5	U		2.5	U	ug/L				NC	30
1,1-Dichloroethane	11			12.0		ug/L				12	30
1,2-Dichloroethane	0.57	U		0.57	U	ug/L				NC	30
1,1,1,2-Tetrachloroethane	0.63	U		0.63	U	ug/L				NC	30
1,1-Dichloroethene	0.45	U		0.45	U	ug/L				NC	30
cis-1,2-Dichloroethene	0.65	U		0.65	U	ug/L				NC	30
trans-1,2-Dichloroethene	0.44	U		0.44	U	ug/L				NC	30
1,2-Dichloropropane	0.52	U		0.52	U	ug/L				NC	30
1,3-Dichloropropane	0.39	U		0.39	U	ug/L				NC	30
2,2-Dichloropropane	0.36	U		0.36	U	ug/L				NC	30
1,1-Dichloropropene	0.31	U		0.31	U	ug/L				NC	30
cis-1,3-Dichloropropene	0.14	U		0.14	U	ug/L				NC	30
trans-1,3-Dichloropropene	0.14	U		0.14	U	ug/L				NC	30
Ethylbenzene	0.44	U		0.44	U	ug/L				NC	30
Hexachlorobutadiene	0.40	U		0.40	U	ug/L				NC	30
Isopropylbenzene	0.19	U		0.19	U	ug/L				NC	30
4-Isopropyltoluene	0.69	U		0.69	U	ug/L				NC	30
Methylene Chloride	4.0	U		4.0	U	ug/L				NC	30
Naphthalene	2.5	U		2.5	U	ug/L				NC	30
N-Propylbenzene	0.59	U		0.59	U	ug/L				NC	30
Styrene	0.98	U		0.98	U	ug/L				NC	30
1,1,2,2-Tetrachloroethane	0.15	U		0.15	U	ug/L				NC	30
Tetrachloroethene	0.50	U		0.50	U	ug/L				NC	30
Toluene	1.0	U		1.0	U	ug/L				NC	30
1,2,3-Trichlorobenzene	0.77	U		0.77	U	ug/L				NC	30
1,2,4-Trichlorobenzene	0.58	U		0.58	U	ug/L				NC	30
1,1,1-Trichloroethane	0.46	U		0.46	U	ug/L				NC	30
1,1,2-Trichloroethane	0.47	U		0.47	U	ug/L				NC	30
Trichloroethene	0.50	U		0.50	U	ug/L				NC	30
Trichlorofluoromethane	2.5	U		2.5	U	ug/L				NC	30
1,2,3-Trichloropropane	0.18	U		0.18	U	ug/L				NC	30
1,2,4-Trimethylbenzene	0.86	U		0.86	U	ug/L				NC	30
1,3,5-Trimethylbenzene	0.54	U		0.54	U	ug/L				NC	30
Vinyl chloride	0.50	U		0.50	U	ug/L				NC	30
o-Xylene	0.50	U		0.50	U	ug/L				NC	30
2-Butanone (MEK)	8.4	U		8.4	U	ug/L				NC	30
4-Methyl-2-pentanone (MIBK)	3.8	U		3.8	U	ug/L				NC	30
Carbon disulfide	1.0	U		1.0	U	ug/L				NC	30
2-Hexanone	4.4	U		4.4	U	ug/L				NC	30
Methyl tert-butyl ether	0.44	U		0.44	U	ug/L				NC	30
m-Xylene & p-Xylene	0.60	U		0.60	U	ug/L				NC	30

Surrogate	*DU % Recovery*	*DU Qualifier*	*Limits*
Toluene-d8 (Surr)	*103*		*70 - 130*
4-Bromofluorobenzene	*102*		*70 - 130*
Dibromofluoromethane	*90*		*70 - 130*

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

Lab Sample ID: MB 660-115407/5
Matrix: Water
Analysis Batch: 115407

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			09/22/11 09:52	1
Benzene	0.50	U	1.0	0.50	ug/L			09/22/11 09:52	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			09/22/11 09:52	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			09/22/11 09:52	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			09/22/11 09:52	1
Bromoform	0.58	U	1.0	0.58	ug/L			09/22/11 09:52	1
Bromomethane	2.5	U	5.0	2.5	ug/L			09/22/11 09:52	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			09/22/11 09:52	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			09/22/11 09:52	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			09/22/11 09:52	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			09/22/11 09:52	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			09/22/11 09:52	1
Chloroethane	2.5	U	5.0	2.5	ug/L			09/22/11 09:52	1
Chloroform	0.90	U	1.0	0.90	ug/L			09/22/11 09:52	1
Chloromethane	1.0	U	4.0	1.0	ug/L			09/22/11 09:52	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			09/22/11 09:52	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			09/22/11 09:52	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			09/22/11 09:52	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			09/22/11 09:52	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			09/22/11 09:52	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			09/22/11 09:52	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			09/22/11 09:52	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			09/22/11 09:52	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			09/22/11 09:52	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			09/22/11 09:52	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			09/22/11 09:52	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			09/22/11 09:52	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			09/22/11 09:52	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			09/22/11 09:52	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			09/22/11 09:52	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			09/22/11 09:52	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			09/22/11 09:52	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			09/22/11 09:52	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			09/22/11 09:52	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			09/22/11 09:52	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			09/22/11 09:52	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			09/22/11 09:52	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			09/22/11 09:52	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			09/22/11 09:52	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			09/22/11 09:52	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			09/22/11 09:52	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			09/22/11 09:52	1
Naphthalene	2.5	U	5.0	2.5	ug/L			09/22/11 09:52	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			09/22/11 09:52	1
Styrene	0.98	U	2.0	0.98	ug/L			09/22/11 09:52	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			09/22/11 09:52	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			09/22/11 09:52	1
Toluene	1.0	U	1.0	1.0	ug/L			09/22/11 09:52	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			09/22/11 09:52	1

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

Lab Sample ID: MB 660-115407/5
Matrix: Water
Analysis Batch: 115407

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			09/22/11 09:52	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			09/22/11 09:52	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			09/22/11 09:52	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			09/22/11 09:52	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			09/22/11 09:52	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			09/22/11 09:52	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			09/22/11 09:52	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			09/22/11 09:52	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			09/22/11 09:52	1
o-Xylene	0.50	U	1.0	0.50	ug/L			09/22/11 09:52	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			09/22/11 09:52	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			09/22/11 09:52	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			09/22/11 09:52	1
2-Hexanone	4.4	U	10	4.4	ug/L			09/22/11 09:52	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			09/22/11 09:52	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			09/22/11 09:52	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*103*		*70 - 130*		*09/22/11 09:52*	*1*
4-Bromofluorobenzene	*111*		*70 - 130*		*09/22/11 09:52*	*1*
Dibromofluoromethane	*94*		*70 - 130*		*09/22/11 09:52*	*1*

Lab Sample ID: LCS 660-115407/3
Matrix: Water
Analysis Batch: 115407

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	40.0	55.0		ug/L		138	62 - 142
Benzene	20.0	18.3		ug/L		92	68 - 134
Bromobenzene	20.0	18.1		ug/L		91	70 - 130
Chlorobromomethane	20.0	17.9		ug/L		89	70 - 130
Dichlorobromomethane	20.0	20.0		ug/L		100	70 - 130
Bromoform	20.0	18.3		ug/L		92	65 - 130
Bromomethane	20.0	28.2		ug/L		141	22 - 150
n-Butylbenzene	20.0	20.8		ug/L		104	61 - 131
sec-Butylbenzene	20.0	20.2		ug/L		101	68 - 133
tert-Butylbenzene	20.0	20.3		ug/L		101	64 - 130
Carbon tetrachloride	20.0	15.2		ug/L		76	61 - 134
Chlorobenzene	20.0	19.0		ug/L		95	70 - 130
Chloroethane	20.0	20.6		ug/L		103	39 - 150
Chloroform	20.0	17.6		ug/L		88	68 - 130
Chloromethane	20.0	17.7		ug/L		88	35 - 150
2-Chlorotoluene	20.0	20.5		ug/L		103	70 - 130
4-Chlorotoluene	20.0	21.5		ug/L		108	70 - 130
Chlorodibromomethane	20.0	18.3		ug/L		92	70 - 130
1,2-Dibromo-3-Chloropropane	20.0	21.7		ug/L		109	63 - 130
Ethylene Dibromide	20.0	20.2		ug/L		101	66 - 130
Dibromomethane	20.0	20.2		ug/L		101	70 - 130
1,2-Dichlorobenzene	20.0	19.5		ug/L		98	70 - 130

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

Lab Sample ID: LCS 660-115407/3
Matrix: Water
Analysis Batch: 115407

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
1,3-Dichlorobenzene	20.0	19.2		ug/L		96	70 - 130
1,4-Dichlorobenzene	20.0	19.2		ug/L		96	70 - 130
Dichlorodifluoromethane	20.0	12.5		ug/L		62	16 - 149
1,1-Dichloroethane	20.0	17.7		ug/L		89	66 - 130
1,2-Dichloroethane	20.0	19.3		ug/L		97	70 - 130
1,1,1,2-Tetrachloroethane	20.0	17.7		ug/L		88	70 - 130
1,1-Dichloroethene	20.0	14.9		ug/L		75	51 - 150
cis-1,2-Dichloroethene	20.0	17.8		ug/L		89	66 - 130
trans-1,2-Dichloroethene	20.0	17.4		ug/L		87	62 - 139
1,2-Dichloropropane	20.0	20.5		ug/L		103	70 - 130
1,3-Dichloropropane	20.0	20.8		ug/L		104	70 - 130
2,2-Dichloropropane	20.0	16.5		ug/L		82	66 - 134
1,1-Dichloropropene	20.0	16.6		ug/L		83	65 - 136
cis-1,3-Dichloropropene	20.0	20.1		ug/L		100	70 - 130
trans-1,3-Dichloropropene	20.0	19.8		ug/L		99	67 - 130
Ethylbenzene	20.0	19.0		ug/L		95	70 - 130
Hexachlorobutadiene	20.0	15.0		ug/L		75	62 - 143
Isopropylbenzene	20.0	20.0		ug/L		100	62 - 130
4-Isopropyltoluene	20.0	20.2		ug/L		101	65 - 134
Methylene Chloride	20.0	19.4		ug/L		97	57 - 130
Naphthalene	20.0	21.5		ug/L		108	50 - 136
N-Propylbenzene	20.0	21.3		ug/L		106	67 - 130
Styrene	20.0	20.5		ug/L		103	68 - 131
1,1,2,2-Tetrachloroethane	20.0	23.4		ug/L		117	70 - 130
Tetrachloroethene	20.0	16.1		ug/L		80	50 - 143
Toluene	20.0	18.6		ug/L		93	70 - 131
1,2,3-Trichlorobenzene	20.0	19.3		ug/L		96	58 - 132
1,2,4-Trichlorobenzene	20.0	18.4		ug/L		92	66 - 130
1,1,1-Trichloroethane	20.0	16.2		ug/L		81	63 - 132
1,1,2-Trichloroethane	20.0	20.8		ug/L		104	70 - 130
Trichloroethene	20.0	15.4		ug/L		77	63 - 139
Trichlorofluoromethane	20.0	19.5		ug/L		98	62 - 146
1,2,3-Trichloropropane	20.0	22.0		ug/L		110	66 - 130
1,2,4-Trimethylbenzene	20.0	21.3		ug/L		106	70 - 132
1,3,5-Trimethylbenzene	20.0	20.3		ug/L		102	65 - 134
Vinyl chloride	20.0	17.4		ug/L		87	48 - 147
o-Xylene	20.0	19.7		ug/L		99	69 - 130
2-Butanone (MEK)	40.0	45.5		ug/L		114	63 - 140
4-Methyl-2-pentanone (MIBK)	40.0	30.3		ug/L		76	64 - 137
Carbon disulfide	40.0	30.9		ug/L		77	30 - 150
2-Hexanone	40.0	44.6		ug/L		111	60 - 148
Methyl tert-butyl ether	40.0	39.1		ug/L		98	67 - 130

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*103*		*70 - 130*
4-Bromofluorobenzene	*106*		*70 - 130*
Dibromofluoromethane	*99*		*70 - 130*

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

Lab Sample ID: 660-43611-C-12 MS
Matrix: Water
Analysis Batch: 115407

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	9.9	U	50.0	59.5		ug/L		119	62 - 142
Benzene	0.50	U	25.0	21.3		ug/L		85	68 - 134
Bromobenzene	0.58	U	25.0	21.8		ug/L		87	70 - 130
Chlorobromomethane	0.58	U	25.0	20.0		ug/L		80	70 - 130
Dichlorobromomethane	0.35	U	25.0	24.7		ug/L		99	70 - 130
Bromoform	0.58	U	25.0	21.0		ug/L		84	65 - 130
Bromomethane	2.5	U	25.0	27.8		ug/L		111	22 - 150
n-Butylbenzene	0.67	U	25.0	22.7		ug/L		91	61 - 131
sec-Butylbenzene	0.63	U	25.0	22.1		ug/L		88	68 - 133
tert-Butylbenzene	0.84	U	25.0	22.6		ug/L		91	64 - 130
Carbon tetrachloride	0.42	U J3	25.0	14.9	J3	ug/L		59	61 - 134
Chlorobenzene	0.63	U	25.0	23.2		ug/L		93	70 - 130
Chloroethane	2.5	U	25.0	23.1		ug/L		92	39 - 150
Chloroform	0.90	U	25.0	20.9		ug/L		84	68 - 130
Chloromethane	1.0	U	25.0	19.2		ug/L		77	35 - 150
2-Chlorotoluene	0.65	U	25.0	24.4		ug/L		98	70 - 130
4-Chlorotoluene	0.52	U	25.0	24.7		ug/L		99	70 - 130
Chlorodibromomethane	0.34	U	25.0	22.4		ug/L		89	70 - 130
1,2-Dibromo-3-Chloropropane	2.5	U	25.0	24.0		ug/L		96	63 - 130
Ethylene Dibromide	0.50	U	25.0	24.3		ug/L		97	66 - 130
Dibromomethane	0.41	U	25.0	25.1		ug/L		100	70 - 130
1,2-Dichlorobenzene	0.44	U	25.0	23.6		ug/L		94	70 - 130
1,3-Dichlorobenzene	0.64	U	25.0	23.6		ug/L		94	70 - 130
1,4-Dichlorobenzene	0.52	U	25.0	22.9		ug/L		91	70 - 130
Dichlorodifluoromethane	2.5	U	25.0	10.8		ug/L		43	16 - 149
1,1-Dichloroethane	0.52	U	25.0	20.3		ug/L		81	66 - 130
1,2-Dichloroethane	0.57	U	25.0	22.9		ug/L		92	70 - 130
1,1,1,2-Tetrachloroethane	0.63	U	25.0	20.7		ug/L		83	70 - 130
1,1-Dichloroethene	0.45	U	25.0	14.4		ug/L		57	51 - 150
cis-1,2-Dichloroethene	0.65	U	25.0	20.7		ug/L		83	66 - 130
trans-1,2-Dichloroethene	0.44	U	25.0	18.5		ug/L		74	62 - 139
1,2-Dichloropropane	0.52	U	25.0	25.2		ug/L		101	70 - 130
1,3-Dichloropropane	0.39	U	25.0	25.6		ug/L		102	70 - 130
2,2-Dichloropropane	0.36	U	25.0	16.9		ug/L		68	66 - 134
1,1-Dichloropropene	0.31	U	25.0	16.8		ug/L		67	65 - 136
cis-1,3-Dichloropropene	0.14	U	25.0	24.3		ug/L		97	70 - 130
trans-1,3-Dichloropropene	0.14	U	25.0	24.3		ug/L		97	67 - 130
Ethylbenzene	0.44	U	25.0	23.0		ug/L		92	70 - 130
Hexachlorobutadiene	0.40	U	25.0	16.4		ug/L		66	62 - 143
Isopropylbenzene	0.19	U	25.0	22.7		ug/L		91	62 - 130
4-Isopropyltoluene	0.69	U	25.0	22.9		ug/L		91	65 - 134
Methylene Chloride	4.0	U	25.0	22.7		ug/L		91	57 - 130
Naphthalene	2.5	U	25.0	25.8		ug/L		103	50 - 136
N-Propylbenzene	0.59	U	25.0	23.8		ug/L		95	67 - 130
Styrene	0.98	U	25.0	25.0		ug/L		100	68 - 131
1,1,2,2-Tetrachloroethane	0.15	U	25.0	28.1		ug/L		113	70 - 130
Tetrachloroethene	0.50	U	25.0	17.0		ug/L		68	50 - 143
Toluene	1.0	U	25.0	22.3		ug/L		89	70 - 131
1,2,3-Trichlorobenzene	0.77	U	25.0	22.2		ug/L		89	58 - 132

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

Lab Sample ID: 660-43611-C-12 MS
Matrix: Water
Analysis Batch: 115407

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
1,2,4-Trichlorobenzene	0.58	U	25.0	21.9		ug/L		88	66 - 130
1,1,1-Trichloroethane	0.46	U	25.0	16.2		ug/L		65	63 - 132
1,1,2-Trichloroethane	0.47	U	25.0	25.3		ug/L		101	70 - 130
Trichloroethene	0.50	U	25.0	16.9		ug/L		68	63 - 139
Trichlorofluoromethane	2.5	U	25.0	18.6		ug/L		74	62 - 146
1,2,3-Trichloropropane	0.18	U	25.0	25.3		ug/L		101	66 - 130
1,2,4-Trimethylbenzene	0.86	U	25.0	25.9		ug/L		103	70 - 132
1,3,5-Trimethylbenzene	0.54	U	25.0	24.0		ug/L		96	65 - 134
Vinyl chloride	0.50	U	25.0	16.5		ug/L		66	48 - 147
o-Xylene	0.50	U	25.0	24.1		ug/L		96	69 - 130
2-Butanone (MEK)	8.4	U	50.0	53.3		ug/L		107	63 - 140
4-Methyl-2-pentanone (MIBK)	3.8	U	50.0	40.3		ug/L		81	64 - 137
Carbon disulfide	1.0	U	50.0	29.5		ug/L		59	30 - 150
2-Hexanone	4.4	U	50.0	54.9		ug/L		110	60 - 148
Methyl tert-butyl ether	0.44	U	50.0	45.3		ug/L		91	67 - 130

Surrogate	*MS % Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*105*		*70 - 130*
4-Bromofluorobenzene	*101*		*70 - 130*
Dibromofluoromethane	*94*		*70 - 130*

Lab Sample ID: 660-43611-C-13 DU
Matrix: Water
Analysis Batch: 115407

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Acetone	9.9	U	9.9	U	ug/L		NC	30
Benzene	0.50	U	0.50	U	ug/L		NC	30
Bromobenzene	0.58	U	0.58	U	ug/L		NC	30
Chlorobromomethane	0.58	U	0.58	U	ug/L		NC	30
Dichlorobromomethane	0.35	U	0.35	U	ug/L		NC	30
Bromoform	0.58	U	0.58	U	ug/L		NC	30
Bromomethane	2.5	U	2.5	U	ug/L		NC	30
n-Butylbenzene	0.67	U	0.67	U	ug/L		NC	30
sec-Butylbenzene	0.63	U	0.63	U	ug/L		NC	30
tert-Butylbenzene	0.84	U	0.84	U	ug/L		NC	30
Carbon tetrachloride	0.42	U	0.42	U	ug/L		NC	30
Chlorobenzene	0.63	U	0.63	U	ug/L		NC	30
Chloroethane	2.5	U	2.5	U	ug/L		NC	30
Chloroform	0.90	U	0.90	U	ug/L		NC	30
Chloromethane	1.0	U	1.0	U	ug/L		NC	30
2-Chlorotoluene	0.65	U	0.65	U	ug/L		NC	30
4-Chlorotoluene	0.52	U	0.52	U	ug/L		NC	30
Chlorodibromomethane	0.34	U	0.34	U	ug/L		NC	30
1,2-Dibromo-3-Chloropropane	2.5	U	2.5	U	ug/L		NC	30
Ethylene Dibromide	0.50	U	0.50	U	ug/L		NC	30
Dibromomethane	0.41	U	0.41	U	ug/L		NC	30
1,2-Dichlorobenzene	0.44	U	0.44	U	ug/L		NC	30
1,3-Dichlorobenzene	0.64	U	0.64	U	ug/L		NC	30

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

Lab Sample ID: 660-43611-C-13 DU
Matrix: Water
Analysis Batch: 115407

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
1,4-Dichlorobenzene	0.52	U		0.52	U	ug/L				NC	30
Dichlorodifluoromethane	2.5	U		2.5	U	ug/L				NC	30
1,1-Dichloroethane	0.52	U		0.52	U	ug/L				NC	30
1,2-Dichloroethane	0.57	U		0.57	U	ug/L				NC	30
1,1,1,2-Tetrachloroethane	0.63	U		0.63	U	ug/L				NC	30
1,1-Dichloroethene	0.45	U		0.45	U	ug/L				NC	30
cis-1,2-Dichloroethene	0.65	U		0.65	U	ug/L				NC	30
trans-1,2-Dichloroethene	0.44	U		0.44	U	ug/L				NC	30
1,2-Dichloropropane	0.52	U		0.52	U	ug/L				NC	30
1,3-Dichloropropane	0.39	U		0.39	U	ug/L				NC	30
2,2-Dichloropropane	0.36	U		0.36	U	ug/L				NC	30
1,1-Dichloropropene	0.31	U		0.31	U	ug/L				NC	30
cis-1,3-Dichloropropene	0.14	U		0.14	U	ug/L				NC	30
trans-1,3-Dichloropropene	0.14	U		0.14	U	ug/L				NC	30
Ethylbenzene	0.44	U		0.44	U	ug/L				NC	30
Hexachlorobutadiene	0.40	U		0.40	U	ug/L				NC	30
Isopropylbenzene	0.19	U		0.19	U	ug/L				NC	30
4-Isopropyltoluene	0.69	U		0.69	U	ug/L				NC	30
Methylene Chloride	4.0	U		4.0	U	ug/L				NC	30
Naphthalene	2.5	U		2.5	U	ug/L				NC	30
N-Propylbenzene	0.59	U		0.59	U	ug/L				NC	30
Styrene	0.98	U		0.98	U	ug/L				NC	30
1,1,2,2-Tetrachloroethane	0.15	U		0.15	U	ug/L				NC	30
Tetrachloroethene	0.50	U		0.50	U	ug/L				NC	30
Toluene	1.0	U		1.0	U	ug/L				NC	30
1,2,3-Trichlorobenzene	0.77	U		0.77	U	ug/L				NC	30
1,2,4-Trichlorobenzene	0.58	U		0.58	U	ug/L				NC	30
1,1,1-Trichloroethane	0.46	U		0.46	U	ug/L				NC	30
1,1,2-Trichloroethane	0.47	U		0.47	U	ug/L				NC	30
Trichloroethene	0.50	U		0.50	U	ug/L				NC	30
Trichlorofluoromethane	2.5	U		2.5	U	ug/L				NC	30
1,2,3-Trichloropropane	0.18	U		0.18	U	ug/L				NC	30
1,2,4-Trimethylbenzene	0.86	U		0.86	U	ug/L				NC	30
1,3,5-Trimethylbenzene	0.54	U		0.54	U	ug/L				NC	30
Vinyl chloride	0.50	U		0.50	U	ug/L				NC	30
o-Xylene	0.50	U		0.50	U	ug/L				NC	30
2-Butanone (MEK)	8.4	U		8.4	U	ug/L				NC	30
4-Methyl-2-pentanone (MIBK)	3.8	U		3.8	U	ug/L				NC	30
Carbon disulfide	1.0	U		1.0	U	ug/L				NC	30
2-Hexanone	4.4	U		4.4	U	ug/L				NC	30
Methyl tert-butyl ether	0.44	U		0.44	U	ug/L				NC	30
m-Xylene & p-Xylene	0.60	U		0.60	U	ug/L				NC	30

Surrogate	*DU % Recovery*	*DU Qualifier*	*Limits*
Toluene-d8 (Surr)	*103*		*70 - 130*
4-Bromofluorobenzene	*109*		*70 - 130*
Dibromofluoromethane	*92*		*70 - 130*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Lab Sample ID: MB 660-115303/5 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 115303

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			09/21/11 09:04	1

Lab Sample ID: LCS 660-115303/3 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 115303

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
1,4-Dioxane	25.0	28.3		ug/L		113	50 - 150

Lab Sample ID: 660-43623-2 MS — **Client Sample ID: Mid Process**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 115303

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
1,4-Dioxane	1.0	U	25.0	27.0		ug/L		108	50 - 150

Lab Sample ID: 660-43623-1 DU — **Client Sample ID: Dup 1**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 115303

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
1,4-Dioxane	1.0	U	1.0	U	ug/L		NC	50

Lab Sample ID: MB 660-115423/5 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 115423

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			09/22/11 16:33	1

Lab Sample ID: LCS 660-115423/3 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 115423

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
1,4-Dioxane	25.0	23.1		ug/L		92	50 - 150

Lab Sample ID: 660-43682-1 MS — **Client Sample ID: Primary GAC Effluent**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 115423

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
1,4-Dioxane	1.0	U	25.0	26.3		ug/L		105	50 - 150

Lab Sample ID: 660-43682-1 DU — **Client Sample ID: Primary GAC Effluent**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 115423

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
1,4-Dioxane	1.0	U	1.0	U	ug/L		NC	50

QC Association Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-43623-1

GC/MS VOA

Analysis Batch: 115277

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-43623-1	Dup 1	Total/NA	Water	8260B	
660-43623-1 DU	Dup 1	Total/NA	Water	8260B	
660-43623-2	Mid Process	Total/NA	Water	8260B	
660-43623-2 MS	Mid Process	Total/NA	Water	8260B	
LCS 660-115277/11	Lab Control Sample	Total/NA	Water	8260B	
MB 660-115277/12	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 115303

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-43623-1	Dup 1	Total/NA	Water	8260C _SIM/ID	
660-43623-1 DU	Dup 1	Total/NA	Water	8260C _SIM/ID	
660-43623-2	Mid Process	Total/NA	Water	8260C _SIM/ID	
660-43623-2 MS	Mid Process	Total/NA	Water	8260C _SIM/ID	
LCS 660-115303/3	Lab Control Sample	Total/NA	Water	8260C _SIM/ID	
MB 660-115303/5	Method Blank	Total/NA	Water	8260C _SIM/ID	

Analysis Batch: 115407

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-43611-C-12 MS	Matrix Spike	Total/NA	Water	8260B	
660-43611-C-13 DU	Duplicate	Total/NA	Water	8260B	
660-43682-1	Primary GAC Effluent	Total/NA	Water	8260B	
LCS 660-115407/3	Lab Control Sample	Total/NA	Water	8260B	
MB 660-115407/5	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 115423

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-43682-1	Primary GAC Effluent	Total/NA	Water	8260C _SIM/ID	
660-43682-1 DU	Primary GAC Effluent	Total/NA	Water	8260C _SIM/ID	
660-43682-1 MS	Primary GAC Effluent	Total/NA	Water	8260C _SIM/ID	
LCS 660-115423/3	Lab Control Sample	Total/NA	Water	8260C _SIM/ID	
MB 660-115423/5	Method Blank	Total/NA	Water	8260C _SIM/ID	

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-43623-1

Client Sample ID: Dup 1

Lab Sample ID: 660-43623-1

Date Collected: 09/20/11 09:00

Matrix: Water

Date Received: 09/20/11 13:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	115277	09/20/11 23:05	RM	TAL TAM
Total/NA	Analysis	8260C _SIM/ID		1	115303	09/21/11 11:07	AP	TAL TAM

Client Sample ID: Mid Process

Lab Sample ID: 660-43623-2

Date Collected: 09/20/11 09:10

Matrix: Water

Date Received: 09/20/11 13:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	115277	09/20/11 23:46	RM	TAL TAM
Total/NA	Analysis	8260C _SIM/ID		1	115303	09/21/11 11:47	AP	TAL TAM

Client Sample ID: Primary GAC Effluent

Lab Sample ID: 660-43682-1

Date Collected: 09/22/11 11:30

Matrix: Water

Date Received: 09/22/11 12:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	115407	09/22/11 16:30	AP	TAL TAM
Total/NA	Analysis	8260C _SIM/ID		1	115423	09/22/11 16:50	RM	TAL TAM

Laboratory References:
TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Certification Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-43623-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Tampa	Alabama	State Program	4	40610
TestAmerica Tampa	Florida	NELAC	4	E84282
TestAmerica Tampa	Georgia	State Program	4	905
TestAmerica Tampa	USDA	USDA		P330-11-00177

Accreditation may not be offered or required for all methods and analytes reported in this package . Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-43623-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL TAM
8260C _SIM/ID	1,4-Dioxane by SIM/Isotopic Dilution	SW846	TAL TAM

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-43623-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
660-43623-1	Dup 1	Water	09/20/11 09:00	09/20/11 13:15
660-43623-2	Mid Process	Water	09/20/11 09:10	09/20/11 13:15
660-43682-1	Primary GAC Effluent	Water	09/22/11 11:30	09/22/11 12:15

Serial Number 018034

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Tampa
6712 Benjamin Road, Suite 100
Tampa, FL 33634
Website: www.testamericainc.com
Phone: (813) 885-7427
Fax: (813) 885-7049

Alternate Laboratory Name/Location
Phone:
Fax:

PROJECT REFERENCE: Tallevast Curbon OM	PROJECT NO.	PROJECT LOCATION (STATE): FL	PAGE 1 OF 1
SAMPLER'S SIGNATURE: [signature]	P.O. NUMBER: 38055, 00009	CONTRACT NO.	STANDARD REPORT DELIVERY
CLIENT (SITE) PM: Don Sauda	CLIENT PHONE: 8137484874	CLIENT FAX	DATE DUE
CLIENT NAME: Arcadis	CLIENT E-MAIL: donald.sauda@arcadis-us.com		EXPEDITED REPORT DELIVERY (SURCHARGE)
CLIENT ADDRESS: 1600 Tallevast Rd Sarasota, FL 34243			DATE DUE: 48 hrs
COMPANY CONTRACTING THIS WORK (if applicable): CMC			NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

MATRIX TYPE (COMPOSITE (C) OR GRAB (G) INDICATE): AQUEOUS (WATER); SOLID OR SEMISOLID; AIR; NONAQUEOUS LIQUID (OIL, SOLVENT...)

REQUIRED ANALYSIS: 8260 B/C Sim (D); HCL PRESERVATIVE

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G)	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT...)	NUMBER OF CONTAINERS SUBMITTED	REMARKS
9-20-11	0900	Dup. 1	G	X				4	inf flow = 21.6
9-20-11	0910	Mid Process	G	X				4	sys flow - 25
									inf pH - 2.8
									eff pH - 5.9
									Corrected COC

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS			[signature]	9-20-11	1215			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS [signature]	9-19-11	0800	[signature]	9-22-11	1215			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	TAMPA LOG NO.	COOLER TEMP. UPON RECEIPT	LABORATORY REMARKS
			YES ○ NO ○			4.5°C cw-07	660-43623

TAL8240-660 (0209)

09/23/2011

R625-EDC-002289-0

Serial Number 018035

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

660-43682

TestAmerica Tampa
6712 Benjamin Road, Suite 100
Tampa, FL 33634
Website: www.testamericainc.com
Phone: (813) 885-7427
Fax: (813) 885-7049

Alternate Laboratory Name/Location
Phone:
Fax:

09/23/2011

PROJECT REFERENCE: Tallevast Carbon OM	PROJECT NO.	PROJECT LOCATION (STATE): FL	PAGE 1 OF 1
SAMPLER'S SIGNATURE: [signature]	P.O. NUMBER: 38055.0038.00005	CONTRACT NO.	STANDARD REPORT DELIVERY ○
CLIENT (SITE) PM: Don Sandel	CLIENT PHONE: 813 748 4871	CLIENT FAX	DATE DUE
CLIENT NAME: Arcadis	CLIENT E-MAIL		EXPEDITED REPORT DELIVERY (SURCHARGE) ○
CLIENT ADDRESS: 1600 Tallevast Rd Sarasota, FL 34243			DATE DUE ASAP 24hr
COMPANY CONTRACTING THIS WORK (if applicable): CUC			NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT...)	8260 B/C Sim 1D	HCL PRESERVATIVE	NUMBER OF CONTAINERS SUBMITTED	REMARKS
9-22-11	1130	Primary GAC Effluent	G	X				4		4	
											inf flow = 21.8
											sys flow = 21
											inf pH = 2.8
											eff pH = 6.9

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS			[signature]	9-22-11	1215			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
EMPTY CONTAINERS [signature]	9-19-11	0801	[signature]	9-22-11	1215			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT YES ○ NO ○	CUSTODY SEAL NO.	TAMPA LOG NO.	COOLER TEMP. UPON RECEIPT	LABORATORY REMARKS
						3.3°C cu07	

TAL8240-660 (0209)

R625-EDC-002289-0

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 660-43623-1

Login Number: 43623

List Source: TestAmerica Tampa

List Number: 1

Creator: Redding, Charles S

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	4.5 degrees C Cu-07
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Tampa
6712 Benjamin Road
Suite 100
Tampa, FL 33634
Tel: (813)885-7427

TestAmerica Job ID: 660-43774-1
Client Project/Site: Tallevast Carbon OM

For:
ARCADIS U.S. Inc
6723 Towpath Road
PO BOX 66
Syracuse, New York 13214

Attn: Donald Sauda

Authorized for release by:
09/28/2011 03:58:04 PM

Tina Fritz
Project Manager II
tina.fritz@testamericainc.com

LINKS

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Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

Results relate only to the items tested and the sample(s) as received by the laboratory. The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

R625-EDC-002289-0

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates that the compound was analyzed for but not detected.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-43774-1

Client Sample ID: Primary GAC Effluent — Lab Sample ID: 660-43774-1

No Detections

Client Sample ID: Mid Process — Lab Sample ID: 660-43774-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	12	I	20	9.9	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	9.4		1.0	0.52	ug/L	1		8260B	Total/NA

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-43774-1

Client Sample ID: Primary GAC Effluent

Date Collected: 09/27/11 10:00
Date Received: 09/27/11 11:18

Lab Sample ID: 660-43774-1
Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			09/27/11 16:54	1
Benzene	0.50	U	1.0	0.50	ug/L			09/27/11 16:54	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			09/27/11 16:54	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			09/27/11 16:54	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			09/27/11 16:54	1
Bromoform	0.58	U	1.0	0.58	ug/L			09/27/11 16:54	1
Bromomethane	2.5	U	5.0	2.5	ug/L			09/27/11 16:54	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			09/27/11 16:54	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			09/27/11 16:54	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			09/27/11 16:54	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			09/27/11 16:54	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			09/27/11 16:54	1
Chloroethane	2.5	U	5.0	2.5	ug/L			09/27/11 16:54	1
Chloroform	0.90	U	1.0	0.90	ug/L			09/27/11 16:54	1
Chloromethane	1.0	U	4.0	1.0	ug/L			09/27/11 16:54	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			09/27/11 16:54	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			09/27/11 16:54	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			09/27/11 16:54	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			09/27/11 16:54	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			09/27/11 16:54	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			09/27/11 16:54	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			09/27/11 16:54	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			09/27/11 16:54	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			09/27/11 16:54	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			09/27/11 16:54	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			09/27/11 16:54	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			09/27/11 16:54	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			09/27/11 16:54	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			09/27/11 16:54	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			09/27/11 16:54	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			09/27/11 16:54	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			09/27/11 16:54	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			09/27/11 16:54	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			09/27/11 16:54	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			09/27/11 16:54	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			09/27/11 16:54	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			09/27/11 16:54	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			09/27/11 16:54	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			09/27/11 16:54	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			09/27/11 16:54	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			09/27/11 16:54	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			09/27/11 16:54	1
Naphthalene	2.5	U	5.0	2.5	ug/L			09/27/11 16:54	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			09/27/11 16:54	1
Styrene	0.98	U	2.0	0.98	ug/L			09/27/11 16:54	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			09/27/11 16:54	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			09/27/11 16:54	1
Toluene	1.0	U	1.0	1.0	ug/L			09/27/11 16:54	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			09/27/11 16:54	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			09/27/11 16:54	1

Client Sample ID: Primary GAC Effluent

Lab Sample ID: 660-43774-1

Date Collected: 09/27/11 10:00

Matrix: Water

Date Received: 09/27/11 11:18

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			09/27/11 16:54	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			09/27/11 16:54	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			09/27/11 16:54	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			09/27/11 16:54	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			09/27/11 16:54	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			09/27/11 16:54	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			09/27/11 16:54	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			09/27/11 16:54	1
o-Xylene	0.50	U	1.0	0.50	ug/L			09/27/11 16:54	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			09/27/11 16:54	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			09/27/11 16:54	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			09/27/11 16:54	1
2-Hexanone	4.4	U	10	4.4	ug/L			09/27/11 16:54	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			09/27/11 16:54	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			09/27/11 16:54	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*70 - 130*		*09/27/11 16:54*	*1*
4-Bromofluorobenzene	*108*		*70 - 130*		*09/27/11 16:54*	*1*
Dibromofluoromethane	*94*		*70 - 130*		*09/27/11 16:54*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			09/27/11 19:26	1

Client Sample ID: Mid Process

Lab Sample ID: 660-43774-2

Date Collected: 09/27/11 10:05

Matrix: Water

Date Received: 09/27/11 11:18

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**12**	**I**	20	9.9	ug/L			09/27/11 17:30	1
Benzene	0.50	U	1.0	0.50	ug/L			09/27/11 17:30	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			09/27/11 17:30	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			09/27/11 17:30	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			09/27/11 17:30	1
Bromoform	0.58	U	1.0	0.58	ug/L			09/27/11 17:30	1
Bromomethane	2.5	U	5.0	2.5	ug/L			09/27/11 17:30	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			09/27/11 17:30	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			09/27/11 17:30	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			09/27/11 17:30	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			09/27/11 17:30	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			09/27/11 17:30	1
Chloroethane	2.5	U	5.0	2.5	ug/L			09/27/11 17:30	1
Chloroform	0.90	U	1.0	0.90	ug/L			09/27/11 17:30	1
Chloromethane	1.0	U	4.0	1.0	ug/L			09/27/11 17:30	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			09/27/11 17:30	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			09/27/11 17:30	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			09/27/11 17:30	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			09/27/11 17:30	1

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-43774-1

Client Sample ID: Mid Process

Date Collected: 09/27/11 10:05
Date Received: 09/27/11 11:18

Lab Sample ID: 660-43774-2

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			09/27/11 17:30	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			09/27/11 17:30	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			09/27/11 17:30	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			09/27/11 17:30	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			09/27/11 17:30	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			09/27/11 17:30	1
1,1-Dichloroethane	**9.4**		1.0	0.52	ug/L			09/27/11 17:30	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			09/27/11 17:30	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			09/27/11 17:30	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			09/27/11 17:30	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			09/27/11 17:30	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			09/27/11 17:30	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			09/27/11 17:30	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			09/27/11 17:30	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			09/27/11 17:30	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			09/27/11 17:30	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			09/27/11 17:30	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			09/27/11 17:30	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			09/27/11 17:30	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			09/27/11 17:30	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			09/27/11 17:30	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			09/27/11 17:30	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			09/27/11 17:30	1
Naphthalene	2.5	U	5.0	2.5	ug/L			09/27/11 17:30	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			09/27/11 17:30	1
Styrene	0.98	U	2.0	0.98	ug/L			09/27/11 17:30	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			09/27/11 17:30	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			09/27/11 17:30	1
Toluene	1.0	U	1.0	1.0	ug/L			09/27/11 17:30	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			09/27/11 17:30	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			09/27/11 17:30	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			09/27/11 17:30	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			09/27/11 17:30	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			09/27/11 17:30	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			09/27/11 17:30	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			09/27/11 17:30	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			09/27/11 17:30	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			09/27/11 17:30	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			09/27/11 17:30	1
o-Xylene	0.50	U	1.0	0.50	ug/L			09/27/11 17:30	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			09/27/11 17:30	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			09/27/11 17:30	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			09/27/11 17:30	1
2-Hexanone	4.4	U	10	4.4	ug/L			09/27/11 17:30	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			09/27/11 17:30	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			09/27/11 17:30	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*103*		*70 - 130*		*09/27/11 17:30*	*1*
4-Bromofluorobenzene	*110*		*70 - 130*		*09/27/11 17:30*	*1*

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-43774-1

Client Sample ID: Mid Process

Date Collected: 09/27/11 10:05
Date Received: 09/27/11 11:18

Lab Sample ID: 660-43774-2

Matrix: Water

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

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*95*		*70 - 130*		*09/27/11 17:30*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			09/27/11 20:40	1

Surrogate Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-43774-1

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)
660-43774-1	Primary GAC Effluent	102	108	94
660-43774-1 DU	Primary GAC Effluent	102	107	92
660-43774-2	Mid Process	103	110	95
660-43774-2 MS	Mid Process	105	106	98
LCS 660-115569/4	Lab Control Sample	101	104	100
MB 660-115569/6	Method Blank	101	110	94

Surrogate Legend

TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane

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

Lab Sample ID: MB 660-115569/6
Matrix: Water
Analysis Batch: 115569

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			09/27/11 15:59	1
Benzene	0.50	U	1.0	0.50	ug/L			09/27/11 15:59	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			09/27/11 15:59	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			09/27/11 15:59	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			09/27/11 15:59	1
Bromoform	0.58	U	1.0	0.58	ug/L			09/27/11 15:59	1
Bromomethane	2.5	U	5.0	2.5	ug/L			09/27/11 15:59	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			09/27/11 15:59	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			09/27/11 15:59	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			09/27/11 15:59	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			09/27/11 15:59	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			09/27/11 15:59	1
Chloroethane	2.5	U	5.0	2.5	ug/L			09/27/11 15:59	1
Chloroform	0.90	U	1.0	0.90	ug/L			09/27/11 15:59	1
Chloromethane	1.0	U	4.0	1.0	ug/L			09/27/11 15:59	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			09/27/11 15:59	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			09/27/11 15:59	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			09/27/11 15:59	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			09/27/11 15:59	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			09/27/11 15:59	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			09/27/11 15:59	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			09/27/11 15:59	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			09/27/11 15:59	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			09/27/11 15:59	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			09/27/11 15:59	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			09/27/11 15:59	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			09/27/11 15:59	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			09/27/11 15:59	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			09/27/11 15:59	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			09/27/11 15:59	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			09/27/11 15:59	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			09/27/11 15:59	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			09/27/11 15:59	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			09/27/11 15:59	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			09/27/11 15:59	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			09/27/11 15:59	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			09/27/11 15:59	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			09/27/11 15:59	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			09/27/11 15:59	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			09/27/11 15:59	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			09/27/11 15:59	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			09/27/11 15:59	1
Naphthalene	2.5	U	5.0	2.5	ug/L			09/27/11 15:59	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			09/27/11 15:59	1
Styrene	0.98	U	2.0	0.98	ug/L			09/27/11 15:59	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			09/27/11 15:59	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			09/27/11 15:59	1
Toluene	1.0	U	1.0	1.0	ug/L			09/27/11 15:59	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			09/27/11 15:59	1

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

Lab Sample ID: MB 660-115569/6
Matrix: Water
Analysis Batch: 115569

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			09/27/11 15:59	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			09/27/11 15:59	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			09/27/11 15:59	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			09/27/11 15:59	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			09/27/11 15:59	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			09/27/11 15:59	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			09/27/11 15:59	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			09/27/11 15:59	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			09/27/11 15:59	1
o-Xylene	0.50	U	1.0	0.50	ug/L			09/27/11 15:59	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			09/27/11 15:59	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			09/27/11 15:59	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			09/27/11 15:59	1
2-Hexanone	4.4	U	10	4.4	ug/L			09/27/11 15:59	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			09/27/11 15:59	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			09/27/11 15:59	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*70 - 130*		*09/27/11 15:59*	*1*
4-Bromofluorobenzene	*110*		*70 - 130*		*09/27/11 15:59*	*1*
Dibromofluoromethane	*94*		*70 - 130*		*09/27/11 15:59*	*1*

Lab Sample ID: LCS 660-115569/4
Matrix: Water
Analysis Batch: 115569

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	40.0	52.4		ug/L		131	62 - 142
Benzene	20.0	20.3		ug/L		102	68 - 134
Bromobenzene	20.0	18.2		ug/L		91	70 - 130
Chlorobromomethane	20.0	18.2		ug/L		91	70 - 130
Dichlorobromomethane	20.0	20.4		ug/L		102	70 - 130
Bromoform	20.0	17.2		ug/L		86	65 - 130
Bromomethane	20.0	28.6		ug/L		143	22 - 150
n-Butylbenzene	20.0	22.4		ug/L		112	61 - 131
sec-Butylbenzene	20.0	22.2		ug/L		111	68 - 133
tert-Butylbenzene	20.0	20.5		ug/L		103	64 - 130
Carbon tetrachloride	20.0	18.0		ug/L		90	61 - 134
Chlorobenzene	20.0	19.6		ug/L		98	70 - 130
Chloroethane	20.0	24.0		ug/L		120	39 - 150
Chloroform	20.0	19.2		ug/L		96	68 - 130
Chloromethane	20.0	19.6		ug/L		98	35 - 150
2-Chlorotoluene	20.0	21.3		ug/L		106	70 - 130
4-Chlorotoluene	20.0	21.6		ug/L		108	70 - 130
Chlorodibromomethane	20.0	19.0		ug/L		95	70 - 130
1,2-Dibromo-3-Chloropropane	20.0	20.2		ug/L		101	63 - 130
Ethylene Dibromide	20.0	19.2		ug/L		96	66 - 130
Dibromomethane	20.0	19.4		ug/L		97	70 - 130
1,2-Dichlorobenzene	20.0	19.7		ug/L		98	70 - 130

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

Lab Sample ID: LCS 660-115569/4
Matrix: Water
Analysis Batch: 115569

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
1,3-Dichlorobenzene	20.0	19.7		ug/L		98	70 - 130
1,4-Dichlorobenzene	20.0	19.2		ug/L		96	70 - 130
Dichlorodifluoromethane	20.0	15.2		ug/L		76	16 - 149
1,1-Dichloroethane	20.0	19.9		ug/L		100	66 - 130
1,2-Dichloroethane	20.0	19.3		ug/L		97	70 - 130
1,1,1,2-Tetrachloroethane	20.0	17.4		ug/L		87	70 - 130
1,1-Dichloroethene	20.0	17.7		ug/L		88	51 - 150
cis-1,2-Dichloroethene	20.0	19.9		ug/L		99	66 - 130
trans-1,2-Dichloroethene	20.0	19.6		ug/L		98	62 - 139
1,2-Dichloropropane	20.0	20.7		ug/L		104	70 - 130
1,3-Dichloropropane	20.0	20.7		ug/L		103	70 - 130
2,2-Dichloropropane	20.0	19.2		ug/L		96	66 - 134
1,1-Dichloropropene	20.0	19.3		ug/L		96	65 - 136
cis-1,3-Dichloropropene	20.0	20.3		ug/L		101	70 - 130
trans-1,3-Dichloropropene	20.0	19.2		ug/L		96	67 - 130
Ethylbenzene	20.0	20.4		ug/L		102	70 - 130
Hexachlorobutadiene	20.0	16.7		ug/L		83	62 - 143
Isopropylbenzene	20.0	22.1		ug/L		110	62 - 130
4-Isopropyltoluene	20.0	22.4		ug/L		112	65 - 134
Methylene Chloride	20.0	20.6		ug/L		103	57 - 130
Naphthalene	20.0	20.3		ug/L		101	50 - 136
N-Propylbenzene	20.0	22.8		ug/L		114	67 - 130
Styrene	20.0	20.8		ug/L		104	68 - 131
1,1,2,2-Tetrachloroethane	20.0	21.6		ug/L		108	70 - 130
Tetrachloroethene	20.0	17.1		ug/L		86	50 - 143
Toluene	20.0	19.8		ug/L		99	70 - 131
1,2,3-Trichlorobenzene	20.0	18.4		ug/L		92	58 - 132
1,2,4-Trichlorobenzene	20.0	18.4		ug/L		92	66 - 130
1,1,1-Trichloroethane	20.0	18.3		ug/L		92	63 - 132
1,1,2-Trichloroethane	20.0	19.6		ug/L		98	70 - 130
Trichloroethene	20.0	18.1		ug/L		91	63 - 139
Trichlorofluoromethane	20.0	24.0		ug/L		120	62 - 146
1,2,3-Trichloropropane	20.0	20.2		ug/L		101	66 - 130
1,2,4-Trimethylbenzene	20.0	22.4		ug/L		112	70 - 132
1,3,5-Trimethylbenzene	20.0	21.7		ug/L		108	65 - 134
Vinyl chloride	20.0	20.1		ug/L		100	48 - 147
o-Xylene	20.0	20.9		ug/L		105	69 - 130
2-Butanone (MEK)	40.0	43.1		ug/L		108	63 - 140
4-Methyl-2-pentanone (MIBK)	40.0	38.4		ug/L		96	64 - 137
Carbon disulfide	40.0	34.7		ug/L		87	30 - 150
2-Hexanone	40.0	40.9		ug/L		102	60 - 148
Methyl tert-butyl ether	40.0	39.1		ug/L		98	67 - 130

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*101*		*70 - 130*
4-Bromofluorobenzene	*104*		*70 - 130*
Dibromofluoromethane	*100*		*70 - 130*

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

Lab Sample ID: 660-43774-2 MS
Matrix: Water
Analysis Batch: 115569

Client Sample ID: Mid Process
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	12	I	40.0	51.2		ug/L		99	62 - 142
Benzene	0.50	U	20.0	20.4		ug/L		102	68 - 134
Bromobenzene	0.58	U	20.0	19.1		ug/L		95	70 - 130
Chlorobromomethane	0.58	U	20.0	17.3		ug/L		86	70 - 130
Dichlorobromomethane	0.35	U	20.0	21.7		ug/L		109	70 - 130
Bromoform	0.58	U	20.0	17.2		ug/L		86	65 - 130
Bromomethane	2.5	U	20.0	27.3		ug/L		137	22 - 150
n-Butylbenzene	0.67	U	20.0	21.9		ug/L		109	61 - 131
sec-Butylbenzene	0.63	U	20.0	22.0		ug/L		110	68 - 133
tert-Butylbenzene	0.84	U	20.0	21.3		ug/L		106	64 - 130
Carbon tetrachloride	0.42	U	20.0	17.2		ug/L		86	61 - 134
Chlorobenzene	0.63	U	20.0	19.5		ug/L		97	70 - 130
Chloroethane	2.5	U	20.0	25.2		ug/L		126	39 - 150
Chloroform	0.90	U	20.0	19.5		ug/L		97	68 - 130
Chloromethane	1.0	U	20.0	19.7		ug/L		99	35 - 150
2-Chlorotoluene	0.65	U	20.0	21.7		ug/L		108	70 - 130
4-Chlorotoluene	0.52	U	20.0	21.9		ug/L		109	70 - 130
Chlorodibromomethane	0.34	U	20.0	18.9		ug/L		94	70 - 130
1,2-Dibromo-3-Chloropropane	2.5	U	20.0	19.6		ug/L		98	63 - 130
Ethylene Dibromide	0.50	U	20.0	20.5		ug/L		102	66 - 130
Dibromomethane	0.41	U	20.0	21.0		ug/L		105	70 - 130
1,2-Dichlorobenzene	0.44	U	20.0	19.9		ug/L		100	70 - 130
1,3-Dichlorobenzene	0.64	U	20.0	20.3		ug/L		101	70 - 130
1,4-Dichlorobenzene	0.52	U	20.0	20.1		ug/L		100	70 - 130
Dichlorodifluoromethane	2.5	U	20.0	13.1		ug/L		65	16 - 149
1,1-Dichloroethane	9.4		20.0	28.9		ug/L		97	66 - 130
1,2-Dichloroethane	0.57	U	20.0	19.8		ug/L		99	70 - 130
1,1,1,2-Tetrachloroethane	0.63	U	20.0	18.9		ug/L		95	70 - 130
1,1-Dichloroethene	0.45	U	20.0	16.0		ug/L		80	51 - 150
cis-1,2-Dichloroethene	0.65	U	20.0	19.1		ug/L		96	66 - 130
trans-1,2-Dichloroethene	0.44	U	20.0	18.1		ug/L		91	62 - 139
1,2-Dichloropropane	0.52	U	20.0	21.2		ug/L		106	70 - 130
1,3-Dichloropropane	0.39	U	20.0	22.3		ug/L		111	70 - 130
2,2-Dichloropropane	0.36	U	20.0	17.4		ug/L		87	66 - 134
1,1-Dichloropropene	0.31	U	20.0	18.4		ug/L		92	65 - 136
cis-1,3-Dichloropropene	0.14	U	20.0	20.5		ug/L		103	70 - 130
trans-1,3-Dichloropropene	0.14	U	20.0	20.0		ug/L		100	67 - 130
Ethylbenzene	0.44	U	20.0	20.6		ug/L		103	70 - 130
Hexachlorobutadiene	0.40	U	20.0	16.1		ug/L		81	62 - 143
Isopropylbenzene	0.19	U	20.0	21.4		ug/L		107	62 - 130
4-Isopropyltoluene	0.69	U	20.0	21.5		ug/L		107	65 - 134
Methylene Chloride	4.0	U	20.0	19.6		ug/L		98	57 - 130
Naphthalene	2.5	U	20.0	20.5		ug/L		102	50 - 136
N-Propylbenzene	0.59	U	20.0	22.5		ug/L		113	67 - 130
Styrene	0.98	U	20.0	16.4		ug/L		82	68 - 131
1,1,2,2-Tetrachloroethane	0.15	U	20.0	23.6		ug/L		118	70 - 130
Tetrachloroethene	0.50	U	20.0	17.4		ug/L		87	50 - 143
Toluene	1.0	U	20.0	20.4		ug/L		102	70 - 131
1,2,3-Trichlorobenzene	0.77	U	20.0	18.6		ug/L		93	58 - 132

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

Lab Sample ID: 660-43774-2 MS
Matrix: Water
Analysis Batch: 115569

Client Sample ID: Mid Process
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
1,2,4-Trichlorobenzene	0.58	U	20.0	18.2		ug/L		91	66 - 130
1,1,1-Trichloroethane	0.46	U	20.0	18.3		ug/L		91	63 - 132
1,1,2-Trichloroethane	0.47	U	20.0	21.6		ug/L		108	70 - 130
Trichloroethene	0.50	U	20.0	17.1		ug/L		86	63 - 139
Trichlorofluoromethane	2.5	U	20.0	22.1		ug/L		110	62 - 146
1,2,3-Trichloropropane	0.18	U	20.0	22.3		ug/L		112	66 - 130
1,2,4-Trimethylbenzene	0.86	U	20.0	19.7		ug/L		99	70 - 132
1,3,5-Trimethylbenzene	0.54	U	20.0	19.1		ug/L		96	65 - 134
Vinyl chloride	0.50	U	20.0	19.7		ug/L		98	48 - 147
o-Xylene	0.50	U	20.0	20.7		ug/L		103	69 - 130
2-Butanone (MEK)	8.4	U	40.0	39.6		ug/L		99	63 - 140
4-Methyl-2-pentanone (MIBK)	3.8	U	40.0	32.0		ug/L		80	64 - 137
Carbon disulfide	1.0	U	40.0	32.1		ug/L		80	30 - 150
2-Hexanone	4.4	U	40.0	42.6		ug/L		106	60 - 148
Methyl tert-butyl ether	0.44	U	40.0	39.7		ug/L		99	67 - 130

Surrogate	*MS % Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*105*		*70 - 130*
4-Bromofluorobenzene	*106*		*70 - 130*
Dibromofluoromethane	*98*		*70 - 130*

Lab Sample ID: 660-43774-1 DU
Matrix: Water
Analysis Batch: 115569

Client Sample ID: Primary GAC Effluent
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Acetone	9.9	U	9.9	U	ug/L		NC	30
Benzene	0.50	U	0.50	U	ug/L		NC	30
Bromobenzene	0.58	U	0.58	U	ug/L		NC	30
Chlorobromomethane	0.58	U	0.58	U	ug/L		NC	30
Dichlorobromomethane	0.35	U	0.35	U	ug/L		NC	30
Bromoform	0.58	U	0.58	U	ug/L		NC	30
Bromomethane	2.5	U	2.5	U	ug/L		NC	30
n-Butylbenzene	0.67	U	0.67	U	ug/L		NC	30
sec-Butylbenzene	0.63	U	0.63	U	ug/L		NC	30
tert-Butylbenzene	0.84	U	0.84	U	ug/L		NC	30
Carbon tetrachloride	0.42	U	0.42	U	ug/L		NC	30
Chlorobenzene	0.63	U	0.63	U	ug/L		NC	30
Chloroethane	2.5	U	2.5	U	ug/L		NC	30
Chloroform	0.90	U	0.90	U	ug/L		NC	30
Chloromethane	1.0	U	1.0	U	ug/L		NC	30
2-Chlorotoluene	0.65	U	0.65	U	ug/L		NC	30
4-Chlorotoluene	0.52	U	0.52	U	ug/L		NC	30
Chlorodibromomethane	0.34	U	0.34	U	ug/L		NC	30
1,2-Dibromo-3-Chloropropane	2.5	U	2.5	U	ug/L		NC	30
Ethylene Dibromide	0.50	U	0.50	U	ug/L		NC	30
Dibromomethane	0.41	U	0.41	U	ug/L		NC	30
1,2-Dichlorobenzene	0.44	U	0.44	U	ug/L		NC	30
1,3-Dichlorobenzene	0.64	U	0.64	U	ug/L		NC	30

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

Lab Sample ID: 660-43774-1 DU
Matrix: Water
Analysis Batch: 115569

Client Sample ID: Primary GAC Effluent
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
1,4-Dichlorobenzene	0.52	U		0.52	U	ug/L				NC	30
Dichlorodifluoromethane	2.5	U		2.5	U	ug/L				NC	30
1,1-Dichloroethane	0.52	U		0.52	U	ug/L				NC	30
1,2-Dichloroethane	0.57	U		0.57	U	ug/L				NC	30
1,1,1,2-Tetrachloroethane	0.63	U		0.63	U	ug/L				NC	30
1,1-Dichloroethene	0.45	U		0.45	U	ug/L				NC	30
cis-1,2-Dichloroethene	0.65	U		0.65	U	ug/L				NC	30
trans-1,2-Dichloroethene	0.44	U		0.44	U	ug/L				NC	30
1,2-Dichloropropane	0.52	U		0.52	U	ug/L				NC	30
1,3-Dichloropropane	0.39	U		0.39	U	ug/L				NC	30
2,2-Dichloropropane	0.36	U		0.36	U	ug/L				NC	30
1,1-Dichloropropene	0.31	U		0.31	U	ug/L				NC	30
cis-1,3-Dichloropropene	0.14	U		0.14	U	ug/L				NC	30
trans-1,3-Dichloropropene	0.14	U		0.14	U	ug/L				NC	30
Ethylbenzene	0.44	U		0.44	U	ug/L				NC	30
Hexachlorobutadiene	0.40	U		0.40	U	ug/L				NC	30
Isopropylbenzene	0.19	U		0.19	U	ug/L				NC	30
4-Isopropyltoluene	0.69	U		0.69	U	ug/L				NC	30
Methylene Chloride	4.0	U		4.0	U	ug/L				NC	30
Naphthalene	2.5	U		2.5	U	ug/L				NC	30
N-Propylbenzene	0.59	U		0.59	U	ug/L				NC	30
Styrene	0.98	U		0.98	U	ug/L				NC	30
1,1,2,2-Tetrachloroethane	0.15	U		0.15	U	ug/L				NC	30
Tetrachloroethene	0.50	U		0.50	U	ug/L				NC	30
Toluene	1.0	U		1.0	U	ug/L				NC	30
1,2,3-Trichlorobenzene	0.77	U		0.77	U	ug/L				NC	30
1,2,4-Trichlorobenzene	0.58	U		0.58	U	ug/L				NC	30
1,1,1-Trichloroethane	0.46	U		0.46	U	ug/L				NC	30
1,1,2-Trichloroethane	0.47	U		0.47	U	ug/L				NC	30
Trichloroethene	0.50	U		0.50	U	ug/L				NC	30
Trichlorofluoromethane	2.5	U		2.5	U	ug/L				NC	30
1,2,3-Trichloropropane	0.18	U		0.18	U	ug/L				NC	30
1,2,4-Trimethylbenzene	0.86	U		0.86	U	ug/L				NC	30
1,3,5-Trimethylbenzene	0.54	U		0.54	U	ug/L				NC	30
Vinyl chloride	0.50	U		0.50	U	ug/L				NC	30
o-Xylene	0.50	U		0.50	U	ug/L				NC	30
2-Butanone (MEK)	8.4	U		8.4	U	ug/L				NC	30
4-Methyl-2-pentanone (MIBK)	3.8	U		3.8	U	ug/L				NC	30
Carbon disulfide	1.0	U		1.0	U	ug/L				NC	30
2-Hexanone	4.4	U		4.4	U	ug/L				NC	30
Methyl tert-butyl ether	0.44	U		0.44	U	ug/L				NC	30
m-Xylene & p-Xylene	0.60	U		0.60	U	ug/L				NC	30

Surrogate	*DU % Recovery*	*DU Qualifier*	*Limits*
Toluene-d8 (Surr)	*102*		*70 - 130*
4-Bromofluorobenzene	*107*		*70 - 130*
Dibromofluoromethane	*92*		*70 - 130*

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-43774-1

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Lab Sample ID: MB 660-115570/9 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 115570

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			09/27/11 18:44	1

Lab Sample ID: LCS 660-115570/4 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 115570

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits		
1,4-Dioxane			25.0	23.5		ug/L		94	50 - 150		

Lab Sample ID: 660-43774-1 MS — **Client Sample ID: Primary GAC Effluent**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 115570

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits		
1,4-Dioxane	1.0	U	25.0	22.8		ug/L		91	50 - 150		

Lab Sample ID: 660-43774-1 DU — **Client Sample ID: Primary GAC Effluent**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 115570

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
1,4-Dioxane	1.0	U		1.0	U	ug/L				NC	50

QC Association Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-43774-1

GC/MS VOA

Analysis Batch: 115569

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-43774-1	Primary GAC Effluent	Total/NA	Water	8260B	
660-43774-1 DU	Primary GAC Effluent	Total/NA	Water	8260B	
660-43774-2	Mid Process	Total/NA	Water	8260B	
660-43774-2 MS	Mid Process	Total/NA	Water	8260B	
LCS 660-115569/4	Lab Control Sample	Total/NA	Water	8260B	
MB 660-115569/6	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 115570

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-43774-1	Primary GAC Effluent	Total/NA	Water	8260C _SIM/ID	
660-43774-1 DU	Primary GAC Effluent	Total/NA	Water	8260C _SIM/ID	
660-43774-1 MS	Primary GAC Effluent	Total/NA	Water	8260C _SIM/ID	
660-43774-2	Mid Process	Total/NA	Water	8260C _SIM/ID	
LCS 660-115570/4	Lab Control Sample	Total/NA	Water	8260C _SIM/ID	
MB 660-115570/9	Method Blank	Total/NA	Water	8260C _SIM/ID	

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-43774-1

Client Sample ID: Primary GAC Effluent

Lab Sample ID: 660-43774-1

Date Collected: 09/27/11 10:00

Matrix: Water

Date Received: 09/27/11 11:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	115569	09/27/11 16:54	RM	TAL TAM
Total/NA	Analysis	8260C _SIM/ID		1	115570	09/27/11 19:26	RM	TAL TAM

Client Sample ID: Mid Process

Lab Sample ID: 660-43774-2

Date Collected: 09/27/11 10:05

Matrix: Water

Date Received: 09/27/11 11:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	115569	09/27/11 17:30	RM	TAL TAM
Total/NA	Analysis	8260C _SIM/ID		1	115570	09/27/11 20:40	RM	TAL TAM

Laboratory References:
TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Certification Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-43774-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Tampa	Alabama	State Program	4	40610
TestAmerica Tampa	Florida	NELAC	4	E84282
TestAmerica Tampa	Georgia	State Program	4	905
TestAmerica Tampa	USDA	USDA		P330-11-00177

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-43774-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL TAM
8260C _SIM/ID	1,4-Dioxane by SIM/Isotopic Dilution	SW846	TAL TAM

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-43774-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
660-43774-1	Primary GAC Effluent	Water	09/27/11 10:00	09/27/11 11:18
660-43774-2	Mid Process	Water	09/27/11 10:05	09/27/11 11:18

Serial Number 010030

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

660-43774

TestAmerica Tampa
6712 Benjamin Road, Suite 100
Tampa, FL 33634
Website: www.testamericainc.com
Phone: (813) 885-7427
Fax: (813) 885-7049

Alternate Laboratory Name/Location
Phone:
Fax:

PROJECT REFERENCE: Tallevast Carbon OM	PROJECT NO.	PROJECT LOCATION (STATE): FL	PAGE 1 OF 1
SAMPLER'S SIGNATURE: [signature]	P.O. NUMBER: 38055-0038-00009	CONTRACT NO.	STANDARD REPORT DELIVERY ○
CLIENT (SITE) PM: Don Sauda	CLIENT PHONE: 8137484874	CLIENT FAX	DATE DUE
CLIENT NAME: Arcadis	CLIENT E-MAIL: donald.sauda@arcadis-us.com		EXPEDITED REPORT DELIVERY (SURCHARGE) ☒
CLIENT ADDRESS: 1600 Tallevast Rd Sarasota, FL 34243			DATE DUE: 48 hrs
COMPANY CONTRACTING THIS WORK (if applicable): CMC			NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

MATRIX TYPE — COMPOSITE (C) OR GRAB (G) INDICATE; AQUEOUS (WATER); SOLID OR SEMISOLID; AIR; NONAQUEOUS LIQUID (OIL, SOLVENT,...)

REQUIRED ANALYSIS: 8260B/C; SIM 1,4 D; HCL PRESERVATIVE

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G)	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT,...)	NUMBER OF CONTAINERS SUBMITTED	REMARKS
9-27-11	1000	Primary GAC Effluent	G	X				4	
9-27-11	1005	Mid Process	G	X				4	inf flow = 21.3
									sys flow = 21
									inf pH = 2.8
									eff pH = 6.1

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS [signature]			[signature]	9-27-11	1118			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
EMPTY CONTAINERS [signature]	9-26-11	0800	[signature]	9-27-11	1118			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT YES ○ NO ○	CUSTODY SEAL NO.	TAMPA LOG NO.	COOLER TEMP. UPON RECEIPT	LABORATORY REMARKS
						4.4°C cw07	

TAL8240-660 (0209)

09/28/2011

R625-EDC-002289-0

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 660-43774-1

Login Number: 43774
List Number: 1
Creator: Redding, Charles S

List Source: TestAmerica Tampa

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	4.4 degrees C Cu-07
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

TestAmerica

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ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Tampa
6712 Benjamin Road
Suite 100
Tampa, FL 33634
Tel: (813)885-7427

TestAmerica Job ID: 660-43900-1
Client Project/Site: Tallevast Carbon OM

For:
ARCADIS U.S. Inc
6723 Towpath Road
PO BOX 66
Syracuse, New York 13214

Attn: Donald Sauda

Authorized for release by:
10/06/2011 02:51:00 PM

Tina Fritz
Project Manager II
tina.fritz@testamericainc.com

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R625-EDC-002289-0

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Definitions/Glossary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-43900-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates that the compound was analyzed for but not detected.
J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-43900-1

Job ID: 660-43900-1

Laboratory: TestAmerica Tampa

Narrative

Job Narrative
660-43900-1

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
Method 8260B: A full list spike was utilized for this method. The LCS associated with batch 115932 had 1 analyte outside control limits. The laboratory's SOP allows for 5 analytes to recover outside criteria for this method when a full list spike is utilized. These results have been reported and qualified.

No other analytical or quality issues were noted.

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-43900-1

Client Sample ID: Primary GAC Effluent — Lab Sample ID: 660-43900-1

No Detections

Client Sample ID: Mid Process — Lab Sample ID: 660-43900-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	20	J3	20	9.9	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	15		1.0	0.52	ug/L	1		8260B	Total/NA

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-43900-1

Client Sample ID: Primary GAC Effluent

Date Collected: 10/04/11 10:00
Date Received: 10/04/11 11:32

Lab Sample ID: 660-43900-1
Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U J3	20	9.9	ug/L			10/06/11 08:57	1
Benzene	0.50	U	1.0	0.50	ug/L			10/06/11 08:57	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			10/06/11 08:57	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			10/06/11 08:57	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			10/06/11 08:57	1
Bromoform	0.58	U	1.0	0.58	ug/L			10/06/11 08:57	1
Bromomethane	2.5	U	5.0	2.5	ug/L			10/06/11 08:57	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			10/06/11 08:57	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			10/06/11 08:57	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			10/06/11 08:57	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			10/06/11 08:57	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			10/06/11 08:57	1
Chloroethane	2.5	U	5.0	2.5	ug/L			10/06/11 08:57	1
Chloroform	0.90	U	1.0	0.90	ug/L			10/06/11 08:57	1
Chloromethane	1.0	U	4.0	1.0	ug/L			10/06/11 08:57	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			10/06/11 08:57	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			10/06/11 08:57	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			10/06/11 08:57	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			10/06/11 08:57	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			10/06/11 08:57	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			10/06/11 08:57	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			10/06/11 08:57	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			10/06/11 08:57	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			10/06/11 08:57	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			10/06/11 08:57	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			10/06/11 08:57	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			10/06/11 08:57	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			10/06/11 08:57	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			10/06/11 08:57	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			10/06/11 08:57	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			10/06/11 08:57	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			10/06/11 08:57	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			10/06/11 08:57	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			10/06/11 08:57	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			10/06/11 08:57	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			10/06/11 08:57	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			10/06/11 08:57	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			10/06/11 08:57	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			10/06/11 08:57	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			10/06/11 08:57	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			10/06/11 08:57	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			10/06/11 08:57	1
Naphthalene	2.5	U	5.0	2.5	ug/L			10/06/11 08:57	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			10/06/11 08:57	1
Styrene	0.98	U	2.0	0.98	ug/L			10/06/11 08:57	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			10/06/11 08:57	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			10/06/11 08:57	1
Toluene	1.0	U	1.0	1.0	ug/L			10/06/11 08:57	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			10/06/11 08:57	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			10/06/11 08:57	1

Client Sample ID: Primary GAC Effluent

Lab Sample ID: 660-43900-1

Date Collected: 10/04/11 10:00

Matrix: Water

Date Received: 10/04/11 11:32

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			10/06/11 08:57	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			10/06/11 08:57	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			10/06/11 08:57	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			10/06/11 08:57	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			10/06/11 08:57	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			10/06/11 08:57	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			10/06/11 08:57	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			10/06/11 08:57	1
o-Xylene	0.50	U	1.0	0.50	ug/L			10/06/11 08:57	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			10/06/11 08:57	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			10/06/11 08:57	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			10/06/11 08:57	1
2-Hexanone	4.4	U	10	4.4	ug/L			10/06/11 08:57	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			10/06/11 08:57	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			10/06/11 08:57	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*107*		*70 - 130*		*10/06/11 08:57*	*1*
4-Bromofluorobenzene	*101*		*70 - 130*		*10/06/11 08:57*	*1*
Dibromofluoromethane	*111*		*70 - 130*		*10/06/11 08:57*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			10/05/11 16:08	1

Client Sample ID: Mid Process

Lab Sample ID: 660-43900-2

Date Collected: 10/04/11 10:05

Matrix: Water

Date Received: 10/04/11 11:32

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**20**	**J3**	20	9.9	ug/L			10/06/11 08:37	1
Benzene	0.50	U	1.0	0.50	ug/L			10/06/11 08:37	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			10/06/11 08:37	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			10/06/11 08:37	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			10/06/11 08:37	1
Bromoform	0.58	U	1.0	0.58	ug/L			10/06/11 08:37	1
Bromomethane	2.5	U	5.0	2.5	ug/L			10/06/11 08:37	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			10/06/11 08:37	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			10/06/11 08:37	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			10/06/11 08:37	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			10/06/11 08:37	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			10/06/11 08:37	1
Chloroethane	2.5	U	5.0	2.5	ug/L			10/06/11 08:37	1
Chloroform	0.90	U	1.0	0.90	ug/L			10/06/11 08:37	1
Chloromethane	1.0	U	4.0	1.0	ug/L			10/06/11 08:37	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			10/06/11 08:37	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			10/06/11 08:37	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			10/06/11 08:37	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			10/06/11 08:37	1

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-43900-1

Client Sample ID: Mid Process

Date Collected: 10/04/11 10:05
Date Received: 10/04/11 11:32

Lab Sample ID: 660-43900-2

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			10/06/11 08:37	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			10/06/11 08:37	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			10/06/11 08:37	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			10/06/11 08:37	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			10/06/11 08:37	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			10/06/11 08:37	1
1,1-Dichloroethane	**15**		1.0	0.52	ug/L			10/06/11 08:37	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			10/06/11 08:37	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			10/06/11 08:37	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			10/06/11 08:37	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			10/06/11 08:37	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			10/06/11 08:37	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			10/06/11 08:37	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			10/06/11 08:37	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			10/06/11 08:37	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			10/06/11 08:37	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			10/06/11 08:37	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			10/06/11 08:37	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			10/06/11 08:37	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			10/06/11 08:37	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			10/06/11 08:37	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			10/06/11 08:37	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			10/06/11 08:37	1
Naphthalene	2.5	U	5.0	2.5	ug/L			10/06/11 08:37	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			10/06/11 08:37	1
Styrene	0.98	U	2.0	0.98	ug/L			10/06/11 08:37	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			10/06/11 08:37	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			10/06/11 08:37	1
Toluene	1.0	U	1.0	1.0	ug/L			10/06/11 08:37	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			10/06/11 08:37	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			10/06/11 08:37	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			10/06/11 08:37	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			10/06/11 08:37	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			10/06/11 08:37	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			10/06/11 08:37	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			10/06/11 08:37	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			10/06/11 08:37	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			10/06/11 08:37	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			10/06/11 08:37	1
o-Xylene	0.50	U	1.0	0.50	ug/L			10/06/11 08:37	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			10/06/11 08:37	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			10/06/11 08:37	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			10/06/11 08:37	1
2-Hexanone	4.4	U	10	4.4	ug/L			10/06/11 08:37	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			10/06/11 08:37	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			10/06/11 08:37	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*105*		*70 - 130*		*10/06/11 08:37*	*1*
4-Bromofluorobenzene	*99*		*70 - 130*		*10/06/11 08:37*	*1*

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-43900-1

Client Sample ID: Mid Process

Date Collected: 10/04/11 10:05
Date Received: 10/04/11 11:32

Lab Sample ID: 660-43900-2

Matrix: Water

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

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*109*		*70 - 130*		*10/06/11 08:37*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			10/05/11 16:46	1

Surrogate Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-43900-1

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)
660-43900-1	Primary GAC Effluent	107	101	111
660-43900-1 MS	Primary GAC Effluent	101	99	94
660-43900-2	Mid Process	105	99	109
660-43900-2 DU	Mid Process	107	102	110
LCS 660-115932/2	Lab Control Sample	101	100	98
MB 660-115932/4	Method Blank	107	101	111

Surrogate Legend

TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane

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

Lab Sample ID: MB 660-115932/4
Matrix: Water
Analysis Batch: 115932

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			10/06/11 08:09	1
Benzene	0.50	U	1.0	0.50	ug/L			10/06/11 08:09	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			10/06/11 08:09	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			10/06/11 08:09	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			10/06/11 08:09	1
Bromoform	0.58	U	1.0	0.58	ug/L			10/06/11 08:09	1
Bromomethane	2.5	U	5.0	2.5	ug/L			10/06/11 08:09	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			10/06/11 08:09	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			10/06/11 08:09	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			10/06/11 08:09	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			10/06/11 08:09	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			10/06/11 08:09	1
Chloroethane	2.5	U	5.0	2.5	ug/L			10/06/11 08:09	1
Chloroform	0.90	U	1.0	0.90	ug/L			10/06/11 08:09	1
Chloromethane	1.0	U	4.0	1.0	ug/L			10/06/11 08:09	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			10/06/11 08:09	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			10/06/11 08:09	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			10/06/11 08:09	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			10/06/11 08:09	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			10/06/11 08:09	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			10/06/11 08:09	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			10/06/11 08:09	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			10/06/11 08:09	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			10/06/11 08:09	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			10/06/11 08:09	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			10/06/11 08:09	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			10/06/11 08:09	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			10/06/11 08:09	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			10/06/11 08:09	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			10/06/11 08:09	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			10/06/11 08:09	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			10/06/11 08:09	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			10/06/11 08:09	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			10/06/11 08:09	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			10/06/11 08:09	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			10/06/11 08:09	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			10/06/11 08:09	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			10/06/11 08:09	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			10/06/11 08:09	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			10/06/11 08:09	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			10/06/11 08:09	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			10/06/11 08:09	1
Naphthalene	2.5	U	5.0	2.5	ug/L			10/06/11 08:09	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			10/06/11 08:09	1
Styrene	0.98	U	2.0	0.98	ug/L			10/06/11 08:09	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			10/06/11 08:09	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			10/06/11 08:09	1
Toluene	1.0	U	1.0	1.0	ug/L			10/06/11 08:09	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			10/06/11 08:09	1

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

Lab Sample ID: MB 660-115932/4
Matrix: Water
Analysis Batch: 115932

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			10/06/11 08:09	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			10/06/11 08:09	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			10/06/11 08:09	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			10/06/11 08:09	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			10/06/11 08:09	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			10/06/11 08:09	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			10/06/11 08:09	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			10/06/11 08:09	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			10/06/11 08:09	1
o-Xylene	0.50	U	1.0	0.50	ug/L			10/06/11 08:09	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			10/06/11 08:09	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			10/06/11 08:09	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			10/06/11 08:09	1
2-Hexanone	4.4	U	10	4.4	ug/L			10/06/11 08:09	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			10/06/11 08:09	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			10/06/11 08:09	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*107*		*70 - 130*		*10/06/11 08:09*	*1*
4-Bromofluorobenzene	*101*		*70 - 130*		*10/06/11 08:09*	*1*
Dibromofluoromethane	*111*		*70 - 130*		*10/06/11 08:09*	*1*

Lab Sample ID: LCS 660-115932/2
Matrix: Water
Analysis Batch: 115932

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	40.0	76.4	J3	ug/L		191	62 - 142
Benzene	20.0	19.4		ug/L		97	68 - 134
Bromobenzene	20.0	20.6		ug/L		103	70 - 130
Chlorobromomethane	20.0	19.9		ug/L		100	70 - 130
Dichlorobromomethane	20.0	19.8		ug/L		99	70 - 130
Bromoform	20.0	19.4		ug/L		97	65 - 130
Bromomethane	20.0	23.9		ug/L		120	22 - 150
n-Butylbenzene	20.0	20.8		ug/L		104	61 - 131
sec-Butylbenzene	20.0	20.3		ug/L		102	68 - 133
tert-Butylbenzene	20.0	19.8		ug/L		99	64 - 130
Carbon tetrachloride	20.0	19.8		ug/L		99	61 - 134
Chlorobenzene	20.0	20.4		ug/L		102	70 - 130
Chloroethane	20.0	19.6		ug/L		98	39 - 150
Chloroform	20.0	22.0		ug/L		110	68 - 130
Chloromethane	20.0	20.8		ug/L		104	35 - 150
2-Chlorotoluene	20.0	20.0		ug/L		100	70 - 130
4-Chlorotoluene	20.0	20.0		ug/L		100	70 - 130
Chlorodibromomethane	20.0	19.5		ug/L		97	70 - 130
1,2-Dibromo-3-Chloropropane	20.0	20.4		ug/L		102	63 - 130
Ethylene Dibromide	20.0	20.0		ug/L		100	66 - 130
Dibromomethane	20.0	20.5		ug/L		103	70 - 130
1,2-Dichlorobenzene	20.0	19.7		ug/L		99	70 - 130

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

Lab Sample ID: LCS 660-115932/2
Matrix: Water
Analysis Batch: 115932

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
1,3-Dichlorobenzene	20.0	20.2		ug/L		101	70 - 130
1,4-Dichlorobenzene	20.0	19.7		ug/L		98	70 - 130
Dichlorodifluoromethane	20.0	22.3		ug/L		111	16 - 149
1,1-Dichloroethane	20.0	20.4		ug/L		102	66 - 130
1,2-Dichloroethane	20.0	20.5		ug/L		102	70 - 130
1,1,1,2-Tetrachloroethane	20.0	18.3		ug/L		92	70 - 130
1,1-Dichloroethene	20.0	20.0		ug/L		100	51 - 150
cis-1,2-Dichloroethene	20.0	20.2		ug/L		101	66 - 130
trans-1,2-Dichloroethene	20.0	19.9		ug/L		99	62 - 139
1,2-Dichloropropane	20.0	19.9		ug/L		99	70 - 130
1,3-Dichloropropane	20.0	19.8		ug/L		99	70 - 130
2,2-Dichloropropane	20.0	19.9		ug/L		100	66 - 134
1,1-Dichloropropene	20.0	19.2		ug/L		96	65 - 136
cis-1,3-Dichloropropene	20.0	19.5		ug/L		97	70 - 130
trans-1,3-Dichloropropene	20.0	19.8		ug/L		99	67 - 130
Ethylbenzene	20.0	20.0		ug/L		100	70 - 130
Hexachlorobutadiene	20.0	19.0		ug/L		95	62 - 143
Isopropylbenzene	20.0	20.4		ug/L		102	62 - 130
4-Isopropyltoluene	20.0	20.7		ug/L		104	65 - 134
Methylene Chloride	20.0	20.8		ug/L		104	57 - 130
Naphthalene	20.0	19.8		ug/L		99	50 - 136
N-Propylbenzene	20.0	20.7		ug/L		103	67 - 130
Styrene	20.0	20.8		ug/L		104	68 - 131
1,1,2,2-Tetrachloroethane	20.0	19.8		ug/L		99	70 - 130
Tetrachloroethene	20.0	20.4		ug/L		102	50 - 143
Toluene	20.0	20.2		ug/L		101	70 - 131
1,2,3-Trichlorobenzene	20.0	19.9		ug/L		100	58 - 132
1,2,4-Trichlorobenzene	20.0	20.0		ug/L		100	66 - 130
1,1,1-Trichloroethane	20.0	19.4		ug/L		97	63 - 132
1,1,2-Trichloroethane	20.0	20.1		ug/L		100	70 - 130
Trichloroethene	20.0	19.3		ug/L		97	63 - 139
Trichlorofluoromethane	20.0	22.0		ug/L		110	62 - 146
1,2,3-Trichloropropane	20.0	19.9		ug/L		100	66 - 130
1,2,4-Trimethylbenzene	20.0	20.3		ug/L		102	70 - 132
1,3,5-Trimethylbenzene	20.0	20.3		ug/L		101	65 - 134
Vinyl chloride	20.0	21.6		ug/L		108	48 - 147
o-Xylene	20.0	20.3		ug/L		101	69 - 130
2-Butanone (MEK)	40.0	46.8		ug/L		117	63 - 140
4-Methyl-2-pentanone (MIBK)	40.0	42.2		ug/L		106	64 - 137
Carbon disulfide	40.0	46.1		ug/L		115	30 - 150
2-Hexanone	40.0	50.0		ug/L		125	60 - 148
Methyl tert-butyl ether	40.0	40.5		ug/L		101	67 - 130

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*101*		*70 - 130*
4-Bromofluorobenzene	*100*		*70 - 130*
Dibromofluoromethane	*98*		*70 - 130*

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

Lab Sample ID: 660-43900-1 MS
Matrix: Water
Analysis Batch: 115932

Client Sample ID: Primary GAC Effluent
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	9.9	U J3	40.0	48.4		ug/L		121	62 - 142
Benzene	0.50	U	20.0	18.6		ug/L		93	68 - 134
Bromobenzene	0.58	U	20.0	19.9		ug/L		100	70 - 130
Chlorobromomethane	0.58	U	20.0	18.7		ug/L		94	70 - 130
Dichlorobromomethane	0.35	U	20.0	21.4		ug/L		107	70 - 130
Bromoform	0.58	U	20.0	19.3		ug/L		96	65 - 130
Bromomethane	2.5	U	20.0	20.5		ug/L		102	22 - 150
n-Butylbenzene	0.67	U	20.0	19.3		ug/L		97	61 - 131
sec-Butylbenzene	0.63	U	20.0	19.0		ug/L		95	68 - 133
tert-Butylbenzene	0.84	U	20.0	18.7		ug/L		93	64 - 130
Carbon tetrachloride	0.42	U	20.0	19.0		ug/L		95	61 - 134
Chlorobenzene	0.63	U	20.0	19.9		ug/L		100	70 - 130
Chloroethane	2.5	U	20.0	18.4		ug/L		92	39 - 150
Chloroform	0.90	U	20.0	19.9		ug/L		99	68 - 130
Chloromethane	1.0	U	20.0	18.0		ug/L		90	35 - 150
2-Chlorotoluene	0.65	U	20.0	19.4		ug/L		97	70 - 130
4-Chlorotoluene	0.52	U	20.0	18.6		ug/L		93	70 - 130
Chlorodibromomethane	0.34	U	20.0	20.4		ug/L		102	70 - 130
1,2-Dibromo-3-Chloropropane	2.5	U	20.0	21.9		ug/L		110	63 - 130
Ethylene Dibromide	0.50	U	20.0	21.1		ug/L		105	66 - 130
Dibromomethane	0.41	U	20.0	20.8		ug/L		104	70 - 130
1,2-Dichlorobenzene	0.44	U	20.0	19.5		ug/L		98	70 - 130
1,3-Dichlorobenzene	0.64	U	20.0	19.5		ug/L		98	70 - 130
1,4-Dichlorobenzene	0.52	U	20.0	19.2		ug/L		96	70 - 130
Dichlorodifluoromethane	2.5	U	20.0	13.2		ug/L		66	16 - 149
1,1-Dichloroethane	0.52	U	20.0	18.2		ug/L		91	66 - 130
1,2-Dichloroethane	0.57	U	20.0	19.7		ug/L		99	70 - 130
1,1,1,2-Tetrachloroethane	0.63	U	20.0	19.3		ug/L		97	70 - 130
1,1-Dichloroethene	0.45	U	20.0	17.3		ug/L		87	51 - 150
cis-1,2-Dichloroethene	0.65	U	20.0	18.9		ug/L		94	66 - 130
trans-1,2-Dichloroethene	0.44	U	20.0	17.5		ug/L		87	62 - 139
1,2-Dichloropropane	0.52	U	20.0	21.1		ug/L		105	70 - 130
1,3-Dichloropropane	0.39	U	20.0	21.6		ug/L		108	70 - 130
2,2-Dichloropropane	0.36	U	20.0	18.6		ug/L		93	66 - 134
1,1-Dichloropropene	0.31	U	20.0	17.8		ug/L		89	65 - 136
cis-1,3-Dichloropropene	0.14	U	20.0	21.0		ug/L		105	70 - 130
trans-1,3-Dichloropropene	0.14	U	20.0	20.3		ug/L		102	67 - 130
Ethylbenzene	0.44	U	20.0	19.0		ug/L		95	70 - 130
Hexachlorobutadiene	0.40	U	20.0	17.0		ug/L		85	62 - 143
Isopropylbenzene	0.19	U	20.0	19.5		ug/L		97	62 - 130
4-Isopropyltoluene	0.69	U	20.0	19.1		ug/L		96	65 - 134
Methylene Chloride	4.0	U	20.0	18.8		ug/L		94	57 - 130
Naphthalene	2.5	U	20.0	19.8		ug/L		99	50 - 136
N-Propylbenzene	0.59	U	20.0	19.3		ug/L		96	67 - 130
Styrene	0.98	U	20.0	15.6		ug/L		78	68 - 131
1,1,2,2-Tetrachloroethane	0.15	U	20.0	20.8		ug/L		104	70 - 130
Tetrachloroethene	0.50	U	20.0	18.6		ug/L		93	50 - 143
Toluene	1.0	U	20.0	20.2		ug/L		101	70 - 131
1,2,3-Trichlorobenzene	0.77	U	20.0	19.6		ug/L		98	58 - 132

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

Lab Sample ID: 660-43900-1 MS
Matrix: Water
Analysis Batch: 115932

Client Sample ID: Primary GAC Effluent
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
1,2,4-Trichlorobenzene	0.58	U	20.0	19.1		ug/L		95	66 - 130
1,1,1-Trichloroethane	0.46	U	20.0	18.0		ug/L		90	63 - 132
1,1,2-Trichloroethane	0.47	U	20.0	21.9		ug/L		110	70 - 130
Trichloroethene	0.50	U	20.0	19.3		ug/L		97	63 - 139
Trichlorofluoromethane	2.5	U	20.0	19.3		ug/L		97	62 - 146
1,2,3-Trichloropropane	0.18	U	20.0	20.7		ug/L		103	66 - 130
1,2,4-Trimethylbenzene	0.86	U	20.0	16.2		ug/L		81	70 - 132
1,3,5-Trimethylbenzene	0.54	U	20.0	17.4		ug/L		87	65 - 134
Vinyl chloride	0.50	U	20.0	18.3		ug/L		91	48 - 147
o-Xylene	0.50	U	20.0	18.7		ug/L		94	69 - 130
2-Butanone (MEK)	8.4	U	40.0	44.6		ug/L		112	63 - 140
4-Methyl-2-pentanone (MIBK)	3.8	U	40.0	48.8		ug/L		122	64 - 137
Carbon disulfide	1.0	U	40.0	53.2		ug/L		133	30 - 150
2-Hexanone	4.4	U	40.0	51.5		ug/L		129	60 - 148
Methyl tert-butyl ether	0.44	U	40.0	43.7		ug/L		109	67 - 130

Surrogate	*MS % Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*101*		*70 - 130*
4-Bromofluorobenzene	*99*		*70 - 130*
Dibromofluoromethane	*94*		*70 - 130*

Lab Sample ID: 660-43900-2 DU
Matrix: Water
Analysis Batch: 115932

Client Sample ID: Mid Process
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Acetone	20	J3	21.5	J3	ug/L		6	30
Benzene	0.50	U	0.50	U	ug/L		NC	30
Bromobenzene	0.58	U	0.58	U	ug/L		NC	30
Chlorobromomethane	0.58	U	0.58	U	ug/L		NC	30
Dichlorobromomethane	0.35	U	0.35	U	ug/L		NC	30
Bromoform	0.58	U	0.58	U	ug/L		NC	30
Bromomethane	2.5	U	2.5	U	ug/L		NC	30
n-Butylbenzene	0.67	U	0.67	U	ug/L		NC	30
sec-Butylbenzene	0.63	U	0.63	U	ug/L		NC	30
tert-Butylbenzene	0.84	U	0.84	U	ug/L		NC	30
Carbon tetrachloride	0.42	U	0.42	U	ug/L		NC	30
Chlorobenzene	0.63	U	0.63	U	ug/L		NC	30
Chloroethane	2.5	U	2.5	U	ug/L		NC	30
Chloroform	0.90	U	0.90	U	ug/L		NC	30
Chloromethane	1.0	U	1.0	U	ug/L		NC	30
2-Chlorotoluene	0.65	U	0.65	U	ug/L		NC	30
4-Chlorotoluene	0.52	U	0.52	U	ug/L		NC	30
Chlorodibromomethane	0.34	U	0.34	U	ug/L		NC	30
1,2-Dibromo-3-Chloropropane	2.5	U	2.5	U	ug/L		NC	30
Ethylene Dibromide	0.50	U	0.50	U	ug/L		NC	30
Dibromomethane	0.41	U	0.41	U	ug/L		NC	30
1,2-Dichlorobenzene	0.44	U	0.44	U	ug/L		NC	30
1,3-Dichlorobenzene	0.64	U	0.64	U	ug/L		NC	30

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

Lab Sample ID: 660-43900-2 DU
Matrix: Water
Analysis Batch: 115932

Client Sample ID: Mid Process
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
1,4-Dichlorobenzene	0.52	U		0.52	U	ug/L				NC	30
Dichlorodifluoromethane	2.5	U		2.5	U	ug/L				NC	30
1,1-Dichloroethane	15			15.5		ug/L				6	30
1,2-Dichloroethane	0.57	U		0.57	U	ug/L				NC	30
1,1,1,2-Tetrachloroethane	0.63	U		0.63	U	ug/L				NC	30
1,1-Dichloroethene	0.45	U		0.45	U	ug/L				NC	30
cis-1,2-Dichloroethene	0.65	U		0.65	U	ug/L				NC	30
trans-1,2-Dichloroethene	0.44	U		0.44	U	ug/L				NC	30
1,2-Dichloropropane	0.52	U		0.52	U	ug/L				NC	30
1,3-Dichloropropane	0.39	U		0.39	U	ug/L				NC	30
2,2-Dichloropropane	0.36	U		0.36	U	ug/L				NC	30
1,1-Dichloropropene	0.31	U		0.31	U	ug/L				NC	30
cis-1,3-Dichloropropene	0.14	U		0.14	U	ug/L				NC	30
trans-1,3-Dichloropropene	0.14	U		0.14	U	ug/L				NC	30
Ethylbenzene	0.44	U		0.44	U	ug/L				NC	30
Hexachlorobutadiene	0.40	U		0.40	U	ug/L				NC	30
Isopropylbenzene	0.19	U		0.19	U	ug/L				NC	30
4-Isopropyltoluene	0.69	U		0.69	U	ug/L				NC	30
Methylene Chloride	4.0	U		4.0	U	ug/L				NC	30
Naphthalene	2.5	U		2.5	U	ug/L				NC	30
N-Propylbenzene	0.59	U		0.59	U	ug/L				NC	30
Styrene	0.98	U		0.98	U	ug/L				NC	30
1,1,2,2-Tetrachloroethane	0.15	U		0.15	U	ug/L				NC	30
Tetrachloroethene	0.50	U		0.50	U	ug/L				NC	30
Toluene	1.0	U		1.0	U	ug/L				NC	30
1,2,3-Trichlorobenzene	0.77	U		0.77	U	ug/L				NC	30
1,2,4-Trichlorobenzene	0.58	U		0.58	U	ug/L				NC	30
1,1,1-Trichloroethane	0.46	U		0.46	U	ug/L				NC	30
1,1,2-Trichloroethane	0.47	U		0.47	U	ug/L				NC	30
Trichloroethene	0.50	U		0.50	U	ug/L				NC	30
Trichlorofluoromethane	2.5	U		2.5	U	ug/L				NC	30
1,2,3-Trichloropropane	0.18	U		0.18	U	ug/L				NC	30
1,2,4-Trimethylbenzene	0.86	U		0.86	U	ug/L				NC	30
1,3,5-Trimethylbenzene	0.54	U		0.54	U	ug/L				NC	30
Vinyl chloride	0.50	U		0.50	U	ug/L				NC	30
o-Xylene	0.50	U		0.50	U	ug/L				NC	30
2-Butanone (MEK)	8.4	U		8.4	U	ug/L				NC	30
4-Methyl-2-pentanone (MIBK)	3.8	U		3.8	U	ug/L				NC	30
Carbon disulfide	1.0	U		1.0	U	ug/L				NC	30
2-Hexanone	4.4	U		4.4	U	ug/L				NC	30
Methyl tert-butyl ether	0.44	U		0.44	U	ug/L				NC	30
m-Xylene & p-Xylene	0.60	U		0.60	U	ug/L				NC	30

Surrogate	*DU % Recovery*	*DU Qualifier*	*Limits*
Toluene-d8 (Surr)	*107*		*70 - 130*
4-Bromofluorobenzene	*102*		*70 - 130*
Dibromofluoromethane	*110*		*70 - 130*

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-43900-1

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Lab Sample ID: MB 660-115923/7 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 115923

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			10/05/11 12:16	1

Lab Sample ID: LCS 660-115923/4 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 115923

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits		
1,4-Dioxane			25.0	29.9		ug/L		120	50 - 150		

Lab Sample ID: 660-43900-2 MS — **Client Sample ID: Mid Process**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 115923

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits		
1,4-Dioxane	1.0	U	25.0	27.2		ug/L		109	50 - 150		

Lab Sample ID: 660-43906-A-1 MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 115923

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
1,4-Dioxane	1.0		25.0	28.6		ug/L		115	50 - 150	9	50

Lab Sample ID: 660-43900-1 DU — **Client Sample ID: Primary GAC Effluent**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 115923

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
1,4-Dioxane	1.0	U		1.0	U	ug/L				NC	50

QC Association Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-43900-1

GC/MS VOA

Analysis Batch: 115923

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-43900-1	Primary GAC Effluent	Total/NA	Water	8260C _SIM/ID	
660-43900-1 DU	Primary GAC Effluent	Total/NA	Water	8260C _SIM/ID	
660-43900-2	Mid Process	Total/NA	Water	8260C _SIM/ID	
660-43900-2 MS	Mid Process	Total/NA	Water	8260C _SIM/ID	
660-43906-A-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8260C _SIM/ID	
LCS 660-115923/4	Lab Control Sample	Total/NA	Water	8260C _SIM/ID	
MB 660-115923/7	Method Blank	Total/NA	Water	8260C _SIM/ID	

Analysis Batch: 115932

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-43900-1	Primary GAC Effluent	Total/NA	Water	8260B	
660-43900-1 MS	Primary GAC Effluent	Total/NA	Water	8260B	
660-43900-2	Mid Process	Total/NA	Water	8260B	
660-43900-2 DU	Mid Process	Total/NA	Water	8260B	
LCS 660-115932/2	Lab Control Sample	Total/NA	Water	8260B	
MB 660-115932/4	Method Blank	Total/NA	Water	8260B	

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-43900-1

Client Sample ID: Primary GAC Effluent

Lab Sample ID: 660-43900-1

Date Collected: 10/04/11 10:00

Matrix: Water

Date Received: 10/04/11 11:32

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C _SIM/ID		1	115923	10/05/11 16:08	AP	TAL TAM
Total/NA	Analysis	8260B		1	115932	10/06/11 08:57	EC	TAL TAM

Client Sample ID: Mid Process

Lab Sample ID: 660-43900-2

Date Collected: 10/04/11 10:05

Matrix: Water

Date Received: 10/04/11 11:32

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C _SIM/ID		1	115923	10/05/11 16:46	AP	TAL TAM
Total/NA	Analysis	8260B		1	115932	10/06/11 08:37	EC	TAL TAM

Laboratory References:
TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Certification Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-43900-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Tampa	Alabama	State Program	4	40610
TestAmerica Tampa	Florida	NELAC	4	E84282
TestAmerica Tampa	Georgia	State Program	4	905
TestAmerica Tampa	USDA	USDA		P330-11-00177

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-43900-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL TAM
8260C _SIM/ID	1,4-Dioxane by SIM/Isotopic Dilution	SW846	TAL TAM

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-43900-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
660-43900-1	Primary GAC Effluent	Water	10/04/11 10:00	10/04/11 11:32
660-43900-2	Mid Process	Water	10/04/11 10:05	10/04/11 11:32

Serial Number 018037

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

660-43900

TestAmerica Tampa
6712 Benjamin Road, Suite 100
Tampa, FL 33634
Website: www.testamericainc.com
Phone: (813) 885-7427
Fax: (813) 885-7049

Alternate Laboratory Name/Location
Phone:
Fax:

10/06/2011

PROJECT REFERENCE: Tallevast Carbon OM	PROJECT NO.: —	PROJECT LOCATION (STATE): FL	PAGE / OF
SAMPLER'S SIGNATURE: [signature]	P.O. NUMBER: 38055.0038.00009	CONTRACT NO.: —	STANDARD REPORT DELIVERY ○
CLIENT (SITE) PM: Don Sauda	CLIENT PHONE: 8137484874	CLIENT FAX: —	DATE DUE:
CLIENT NAME: Arcadis	CLIENT E-MAIL: donald.sauda@arcadisus.com		EXPEDITED REPORT DELIVERY (SURCHARGE) ○ DATE DUE: 48hrs
CLIENT ADDRESS: 1600 Tallevast Rd Sarasota, FL 34243			NUMBER OF COOLERS SUBMITTED PER SHIPMENT:
COMPANY CONTRACTING THIS WORK (if applicable): CMC			

REQUIRED ANALYSIS: 8260 B/C Sim 1p

PRESERVATIVE: HCL

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT...)	NUMBER OF CONTAINERS SUBMITTED	REMARKS
10-4-11	1000	Primary GAC Effluent	G	X				4	inf flow = 21.5
10-4-11	1005	Mid Process	G	X				4	sys flow = 22
									inf pH = 2.8
									eff pH = 6.2

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS			[signature]	10-4-11	1132			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS [signature]	10-3-11	0800	[signature]	10-4-11	1132			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	TAMPA LOG NO.	COOLER TEMP. UPON RECEIPT	LABORATORY REMARKS
			YES ○ NO ○			4.1°C CMA7	

TAL8240-660 (0209)

R625-EDC-002289-0

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 660-43900-1

Login Number: 43900
List Number: 1
Creator: Redding, Charles S

List Source: TestAmerica Tampa

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	4.1 degrees C Cu-07
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Tampa
6712 Benjamin Road
Suite 100
Tampa, FL 33634
Tel: (813)885-7427

TestAmerica Job ID: 660-44018-1
Client Project/Site: Tallevast Carbon OM

For:
ARCADIS U.S. Inc
6723 Towpath Road
PO BOX 66
Syracuse, New York 13214

Attn: Donald Sauda

Authorized for release by:
10/13/2011 02:50:22 PM

Tina Fritz
Project Manager II
tina.fritz@testamericainc.com

LINKS

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Results relate only to the items tested and the sample(s) as received by the laboratory. The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

R625-EDC-002289-0

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Definitions/Glossary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44018-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates that the compound was analyzed for but not detected.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44018-1

Client Sample ID: Primary GAC Effluent — Lab Sample ID: 660-44018-1

No Detections

Client Sample ID: Mid-Process — Lab Sample ID: 660-44018-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	14	I	20	9.9	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	11		1.0	0.52	ug/L	1		8260B	Total/NA

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44018-1

Client Sample ID: Primary GAC Effluent

Date Collected: 10/11/11 08:30
Date Received: 10/11/11 10:55

Lab Sample ID: 660-44018-1

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			10/12/11 20:27	1
Benzene	0.50	U	1.0	0.50	ug/L			10/12/11 20:27	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			10/12/11 20:27	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			10/12/11 20:27	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			10/12/11 20:27	1
Bromoform	0.58	U	1.0	0.58	ug/L			10/12/11 20:27	1
Bromomethane	2.5	U	5.0	2.5	ug/L			10/12/11 20:27	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			10/12/11 20:27	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			10/12/11 20:27	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			10/12/11 20:27	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			10/12/11 20:27	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			10/12/11 20:27	1
Chloroethane	2.5	U	5.0	2.5	ug/L			10/12/11 20:27	1
Chloroform	0.90	U	1.0	0.90	ug/L			10/12/11 20:27	1
Chloromethane	1.0	U	4.0	1.0	ug/L			10/12/11 20:27	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			10/12/11 20:27	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			10/12/11 20:27	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			10/12/11 20:27	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			10/12/11 20:27	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			10/12/11 20:27	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			10/12/11 20:27	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			10/12/11 20:27	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			10/12/11 20:27	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			10/12/11 20:27	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			10/12/11 20:27	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			10/12/11 20:27	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			10/12/11 20:27	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			10/12/11 20:27	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			10/12/11 20:27	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			10/12/11 20:27	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			10/12/11 20:27	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			10/12/11 20:27	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			10/12/11 20:27	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			10/12/11 20:27	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			10/12/11 20:27	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			10/12/11 20:27	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			10/12/11 20:27	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			10/12/11 20:27	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			10/12/11 20:27	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			10/12/11 20:27	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			10/12/11 20:27	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			10/12/11 20:27	1
Naphthalene	2.5	U	5.0	2.5	ug/L			10/12/11 20:27	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			10/12/11 20:27	1
Styrene	0.98	U	2.0	0.98	ug/L			10/12/11 20:27	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			10/12/11 20:27	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			10/12/11 20:27	1
Toluene	1.0	U	1.0	1.0	ug/L			10/12/11 20:27	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			10/12/11 20:27	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			10/12/11 20:27	1

Client Sample ID: Primary GAC Effluent

Lab Sample ID: 660-44018-1

Date Collected: 10/11/11 08:30

Matrix: Water

Date Received: 10/11/11 10:55

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			10/12/11 20:27	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			10/12/11 20:27	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			10/12/11 20:27	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			10/12/11 20:27	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			10/12/11 20:27	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			10/12/11 20:27	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			10/12/11 20:27	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			10/12/11 20:27	1
o-Xylene	0.50	U	1.0	0.50	ug/L			10/12/11 20:27	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			10/12/11 20:27	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			10/12/11 20:27	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			10/12/11 20:27	1
2-Hexanone	4.4	U	10	4.4	ug/L			10/12/11 20:27	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			10/12/11 20:27	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			10/12/11 20:27	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*70 - 130*		*10/12/11 20:27*	*1*
4-Bromofluorobenzene	*106*		*70 - 130*		*10/12/11 20:27*	*1*
Dibromofluoromethane	*99*		*70 - 130*		*10/12/11 20:27*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			10/12/11 00:58	1

Client Sample ID: Mid-Process

Lab Sample ID: 660-44018-2

Date Collected: 10/11/11 08:35

Matrix: Water

Date Received: 10/11/11 10:55

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**14**	**I**	20	9.9	ug/L			10/12/11 20:49	1
Benzene	0.50	U	1.0	0.50	ug/L			10/12/11 20:49	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			10/12/11 20:49	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			10/12/11 20:49	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			10/12/11 20:49	1
Bromoform	0.58	U	1.0	0.58	ug/L			10/12/11 20:49	1
Bromomethane	2.5	U	5.0	2.5	ug/L			10/12/11 20:49	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			10/12/11 20:49	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			10/12/11 20:49	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			10/12/11 20:49	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			10/12/11 20:49	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			10/12/11 20:49	1
Chloroethane	2.5	U	5.0	2.5	ug/L			10/12/11 20:49	1
Chloroform	0.90	U	1.0	0.90	ug/L			10/12/11 20:49	1
Chloromethane	1.0	U	4.0	1.0	ug/L			10/12/11 20:49	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			10/12/11 20:49	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			10/12/11 20:49	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			10/12/11 20:49	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			10/12/11 20:49	1

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44018-1

Client Sample ID: Mid-Process
Date Collected: 10/11/11 08:35
Date Received: 10/11/11 10:55

Lab Sample ID: 660-44018-2
Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			10/12/11 20:49	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			10/12/11 20:49	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			10/12/11 20:49	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			10/12/11 20:49	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			10/12/11 20:49	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			10/12/11 20:49	1
1,1-Dichloroethane	**11**		1.0	0.52	ug/L			10/12/11 20:49	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			10/12/11 20:49	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			10/12/11 20:49	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			10/12/11 20:49	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			10/12/11 20:49	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			10/12/11 20:49	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			10/12/11 20:49	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			10/12/11 20:49	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			10/12/11 20:49	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			10/12/11 20:49	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			10/12/11 20:49	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			10/12/11 20:49	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			10/12/11 20:49	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			10/12/11 20:49	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			10/12/11 20:49	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			10/12/11 20:49	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			10/12/11 20:49	1
Naphthalene	2.5	U	5.0	2.5	ug/L			10/12/11 20:49	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			10/12/11 20:49	1
Styrene	0.98	U	2.0	0.98	ug/L			10/12/11 20:49	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			10/12/11 20:49	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			10/12/11 20:49	1
Toluene	1.0	U	1.0	1.0	ug/L			10/12/11 20:49	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			10/12/11 20:49	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			10/12/11 20:49	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			10/12/11 20:49	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			10/12/11 20:49	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			10/12/11 20:49	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			10/12/11 20:49	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			10/12/11 20:49	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			10/12/11 20:49	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			10/12/11 20:49	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			10/12/11 20:49	1
o-Xylene	0.50	U	1.0	0.50	ug/L			10/12/11 20:49	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			10/12/11 20:49	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			10/12/11 20:49	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			10/12/11 20:49	1
2-Hexanone	4.4	U	10	4.4	ug/L			10/12/11 20:49	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			10/12/11 20:49	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			10/12/11 20:49	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*70 - 130*		*10/12/11 20:49*	*1*
4-Bromofluorobenzene	*103*		*70 - 130*		*10/12/11 20:49*	*1*

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44018-1

Client Sample ID: Mid-Process

Date Collected: 10/11/11 08:35
Date Received: 10/11/11 10:55

Lab Sample ID: 660-44018-2

Matrix: Water

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

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*100*		*70 - 130*		*10/12/11 20:49*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			10/12/11 01:42	1

Surrogate Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44018-1

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)
660-44018-1	Primary GAC Effluent	100	106	99
660-44018-2	Mid-Process	98	103	100
660-44030-B-2 MS	Matrix Spike	101	100	103
660-44030-B-3 DU	Duplicate	99	102	96
LCS 660-116183/4	Lab Control Sample	101	101	98
MB 660-116183/7	Method Blank	97	104	95

Surrogate Legend

TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane

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

Lab Sample ID: MB 660-116183/7
Matrix: Water
Analysis Batch: 116183

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			10/12/11 20:04	1
Benzene	0.50	U	1.0	0.50	ug/L			10/12/11 20:04	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			10/12/11 20:04	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			10/12/11 20:04	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			10/12/11 20:04	1
Bromoform	0.58	U	1.0	0.58	ug/L			10/12/11 20:04	1
Bromomethane	2.5	U	5.0	2.5	ug/L			10/12/11 20:04	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			10/12/11 20:04	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			10/12/11 20:04	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			10/12/11 20:04	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			10/12/11 20:04	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			10/12/11 20:04	1
Chloroethane	2.5	U	5.0	2.5	ug/L			10/12/11 20:04	1
Chloroform	0.90	U	1.0	0.90	ug/L			10/12/11 20:04	1
Chloromethane	1.0	U	4.0	1.0	ug/L			10/12/11 20:04	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			10/12/11 20:04	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			10/12/11 20:04	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			10/12/11 20:04	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			10/12/11 20:04	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			10/12/11 20:04	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			10/12/11 20:04	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			10/12/11 20:04	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			10/12/11 20:04	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			10/12/11 20:04	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			10/12/11 20:04	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			10/12/11 20:04	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			10/12/11 20:04	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			10/12/11 20:04	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			10/12/11 20:04	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			10/12/11 20:04	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			10/12/11 20:04	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			10/12/11 20:04	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			10/12/11 20:04	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			10/12/11 20:04	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			10/12/11 20:04	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			10/12/11 20:04	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			10/12/11 20:04	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			10/12/11 20:04	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			10/12/11 20:04	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			10/12/11 20:04	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			10/12/11 20:04	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			10/12/11 20:04	1
Naphthalene	2.5	U	5.0	2.5	ug/L			10/12/11 20:04	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			10/12/11 20:04	1
Styrene	0.98	U	2.0	0.98	ug/L			10/12/11 20:04	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			10/12/11 20:04	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			10/12/11 20:04	1
Toluene	1.0	U	1.0	1.0	ug/L			10/12/11 20:04	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			10/12/11 20:04	1

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

Lab Sample ID: MB 660-116183/7
Matrix: Water
Analysis Batch: 116183

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			10/12/11 20:04	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			10/12/11 20:04	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			10/12/11 20:04	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			10/12/11 20:04	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			10/12/11 20:04	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			10/12/11 20:04	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			10/12/11 20:04	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			10/12/11 20:04	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			10/12/11 20:04	1
o-Xylene	0.50	U	1.0	0.50	ug/L			10/12/11 20:04	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			10/12/11 20:04	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			10/12/11 20:04	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			10/12/11 20:04	1
2-Hexanone	4.4	U	10	4.4	ug/L			10/12/11 20:04	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			10/12/11 20:04	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			10/12/11 20:04	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*70 - 130*		*10/12/11 20:04*	*1*
4-Bromofluorobenzene	*104*		*70 - 130*		*10/12/11 20:04*	*1*
Dibromofluoromethane	*95*		*70 - 130*		*10/12/11 20:04*	*1*

Lab Sample ID: LCS 660-116183/4
Matrix: Water
Analysis Batch: 116183

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	40.0	51.3		ug/L		128	62 - 142
Benzene	20.0	21.5		ug/L		107	68 - 134
Bromobenzene	20.0	21.7		ug/L		108	70 - 130
Chlorobromomethane	20.0	19.8		ug/L		99	70 - 130
Dichlorobromomethane	20.0	22.4		ug/L		112	70 - 130
Bromoform	20.0	17.3		ug/L		87	65 - 130
Bromomethane	20.0	22.1		ug/L		110	22 - 150
n-Butylbenzene	20.0	22.7		ug/L		114	61 - 131
sec-Butylbenzene	20.0	21.1		ug/L		106	68 - 133
tert-Butylbenzene	20.0	21.7		ug/L		109	64 - 130
Carbon tetrachloride	20.0	18.7		ug/L		93	61 - 134
Chlorobenzene	20.0	21.8		ug/L		109	70 - 130
Chloroethane	20.0	23.1		ug/L		115	39 - 150
Chloroform	20.0	20.3		ug/L		101	68 - 130
Chloromethane	20.0	20.9		ug/L		105	35 - 150
2-Chlorotoluene	20.0	22.6		ug/L		113	70 - 130
4-Chlorotoluene	20.0	23.0		ug/L		115	70 - 130
Chlorodibromomethane	20.0	18.9		ug/L		94	70 - 130
1,2-Dibromo-3-Chloropropane	20.0	19.5		ug/L		97	63 - 130
Ethylene Dibromide	20.0	20.8		ug/L		104	66 - 130
Dibromomethane	20.0	20.8		ug/L		104	70 - 130
1,2-Dichlorobenzene	20.0	20.7		ug/L		103	70 - 130

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

Lab Sample ID: LCS 660-116183/4
Matrix: Water
Analysis Batch: 116183

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
1,3-Dichlorobenzene	20.0	21.6		ug/L		108	70 - 130
1,4-Dichlorobenzene	20.0	20.8		ug/L		104	70 - 130
Dichlorodifluoromethane	20.0	23.5		ug/L		118	16 - 149
1,1-Dichloroethane	20.0	21.4		ug/L		107	66 - 130
1,2-Dichloroethane	20.0	19.4		ug/L		97	70 - 130
1,1,1,2-Tetrachloroethane	20.0	21.0		ug/L		105	70 - 130
1,1-Dichloroethene	20.0	20.9		ug/L		105	51 - 150
cis-1,2-Dichloroethene	20.0	21.7		ug/L		109	66 - 130
trans-1,2-Dichloroethene	20.0	23.0		ug/L		115	62 - 139
1,2-Dichloropropane	20.0	21.5		ug/L		108	70 - 130
1,3-Dichloropropane	20.0	20.5		ug/L		102	70 - 130
2,2-Dichloropropane	20.0	19.0		ug/L		95	66 - 134
1,1-Dichloropropene	20.0	19.8		ug/L		99	65 - 136
cis-1,3-Dichloropropene	20.0	19.7		ug/L		98	70 - 130
trans-1,3-Dichloropropene	20.0	19.8		ug/L		99	67 - 130
Ethylbenzene	20.0	21.3		ug/L		106	70 - 130
Hexachlorobutadiene	20.0	18.8		ug/L		94	62 - 143
Isopropylbenzene	20.0	21.3		ug/L		106	62 - 130
4-Isopropyltoluene	20.0	21.8		ug/L		109	65 - 134
Methylene Chloride	20.0	24.6		ug/L		123	57 - 130
Naphthalene	20.0	18.9		ug/L		95	50 - 136
N-Propylbenzene	20.0	24.1		ug/L		121	67 - 130
Styrene	20.0	23.6		ug/L		118	68 - 131
1,1,2,2-Tetrachloroethane	20.0	19.3		ug/L		97	70 - 130
Tetrachloroethene	20.0	24.9		ug/L		124	50 - 143
Toluene	20.0	22.9		ug/L		115	70 - 131
1,2,3-Trichlorobenzene	20.0	21.8		ug/L		109	58 - 132
1,2,4-Trichlorobenzene	20.0	19.5		ug/L		97	66 - 130
1,1,1-Trichloroethane	20.0	19.3		ug/L		96	63 - 132
1,1,2-Trichloroethane	20.0	19.3		ug/L		97	70 - 130
Trichloroethene	20.0	21.7		ug/L		108	63 - 139
Trichlorofluoromethane	20.0	22.8		ug/L		114	62 - 146
1,2,3-Trichloropropane	20.0	19.2		ug/L		96	66 - 130
1,2,4-Trimethylbenzene	20.0	21.0		ug/L		105	70 - 132
1,3,5-Trimethylbenzene	20.0	21.3		ug/L		106	65 - 134
Vinyl chloride	20.0	22.4		ug/L		112	48 - 147
o-Xylene	20.0	24.7		ug/L		123	69 - 130
2-Butanone (MEK)	40.0	41.8		ug/L		105	63 - 140
4-Methyl-2-pentanone (MIBK)	40.0	45.2		ug/L		113	64 - 137
Carbon disulfide	40.0	35.8		ug/L		89	30 - 150
2-Hexanone	40.0	44.7		ug/L		112	60 - 148
Methyl tert-butyl ether	40.0	40.7		ug/L		102	67 - 130

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*101*		*70 - 130*
4-Bromofluorobenzene	*101*		*70 - 130*
Dibromofluoromethane	*98*		*70 - 130*

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

Lab Sample ID: 660-44030-B-2 MS
Matrix: Water
Analysis Batch: 116183

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	9.9	U	40.0	41.7		ug/L		104	62 - 142
Benzene	0.50	U	20.0	23.8		ug/L		119	68 - 134
Bromobenzene	0.58	U	20.0	22.1		ug/L		111	70 - 130
Chlorobromomethane	0.58	U	20.0	21.9		ug/L		109	70 - 130
Dichlorobromomethane	0.35	U	20.0	23.6		ug/L		118	70 - 130
Bromoform	0.58	U	20.0	18.3		ug/L		92	65 - 130
Bromomethane	2.5	U	20.0	22.7		ug/L		113	22 - 150
n-Butylbenzene	0.67	U	20.0	22.3		ug/L		112	61 - 131
sec-Butylbenzene	0.63	U	20.0	21.3		ug/L		107	68 - 133
tert-Butylbenzene	0.84	U	20.0	21.8		ug/L		109	64 - 130
Carbon tetrachloride	0.42	U	20.0	20.1		ug/L		101	61 - 134
Chlorobenzene	0.63	U	20.0	22.3		ug/L		111	70 - 130
Chloroethane	2.5	U	20.0	22.8		ug/L		114	39 - 150
Chloroform	0.90	U	20.0	21.8		ug/L		109	68 - 130
Chloromethane	1.0	U	20.0	21.3		ug/L		107	35 - 150
2-Chlorotoluene	0.65	U	20.0	23.1		ug/L		115	70 - 130
4-Chlorotoluene	0.52	U	20.0	23.4		ug/L		117	70 - 130
Chlorodibromomethane	0.34	U	20.0	19.9		ug/L		100	70 - 130
1,2-Dibromo-3-Chloropropane	2.5	U	20.0	22.0		ug/L		110	63 - 130
Ethylene Dibromide	0.50	U	20.0	22.5		ug/L		113	66 - 130
Dibromomethane	0.41	U	20.0	21.8		ug/L		109	70 - 130
1,2-Dichlorobenzene	0.44	U	20.0	21.2		ug/L		106	70 - 130
1,3-Dichlorobenzene	0.64	U	20.0	21.9		ug/L		110	70 - 130
1,4-Dichlorobenzene	0.52	U	20.0	20.6		ug/L		103	70 - 130
Dichlorodifluoromethane	2.5	U	20.0	26.0		ug/L		130	16 - 149
1,1-Dichloroethane	0.52	U	20.0	22.8		ug/L		114	66 - 130
1,2-Dichloroethane	0.57	U	20.0	21.5		ug/L		107	70 - 130
1,1,1,2-Tetrachloroethane	0.63	U	20.0	21.8		ug/L		109	70 - 130
1,1-Dichloroethene	0.45	U	20.0	23.0		ug/L		115	51 - 150
cis-1,2-Dichloroethene	0.65	U	20.0	23.5		ug/L		118	66 - 130
trans-1,2-Dichloroethene	0.44	U	20.0	25.7		ug/L		128	62 - 139
1,2-Dichloropropane	0.52	U	20.0	22.8		ug/L		114	70 - 130
1,3-Dichloropropane	0.39	U	20.0	22.1		ug/L		111	70 - 130
2,2-Dichloropropane	0.36	U	20.0	18.7		ug/L		93	66 - 134
1,1-Dichloropropene	0.31	U	20.0	22.1		ug/L		111	65 - 136
cis-1,3-Dichloropropene	0.14	U	20.0	19.3		ug/L		97	70 - 130
trans-1,3-Dichloropropene	0.14	U	20.0	19.5		ug/L		97	67 - 130
Ethylbenzene	0.44	U	20.0	21.1		ug/L		106	70 - 130
Hexachlorobutadiene	0.40	U	20.0	17.1		ug/L		85	62 - 143
Isopropylbenzene	0.19	U	20.0	21.5		ug/L		107	62 - 130
4-Isopropyltoluene	0.69	U	20.0	21.6		ug/L		108	65 - 134
Methylene Chloride	4.0	U	20.0	19.0		ug/L		95	57 - 130
Naphthalene	2.5	U	20.0	19.2		ug/L		96	50 - 136
N-Propylbenzene	0.59	U	20.0	25.3		ug/L		126	67 - 130
Styrene	0.98	U	20.0	23.9		ug/L		120	68 - 131
1,1,2,2-Tetrachloroethane	0.15	U	20.0	21.5		ug/L		107	70 - 130
Tetrachloroethene	0.50	U	20.0	24.6		ug/L		123	50 - 143
Toluene	1.0	U	20.0	23.7		ug/L		119	70 - 131
1,2,3-Trichlorobenzene	0.77	U	20.0	21.2		ug/L		106	58 - 132

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

Lab Sample ID: 660-44030-B-2 MS
Matrix: Water
Analysis Batch: 116183

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
1,2,4-Trichlorobenzene	0.58	U	20.0	18.1		ug/L		90	66 - 130
1,1,1-Trichloroethane	0.46	U	20.0	20.2		ug/L		101	63 - 132
1,1,2-Trichloroethane	0.47	U	20.0	21.1		ug/L		105	70 - 130
Trichloroethene	0.50	U	20.0	22.6		ug/L		113	63 - 139
Trichlorofluoromethane	2.5	U	20.0	26.4		ug/L		132	62 - 146
1,2,3-Trichloropropane	0.18	U	20.0	21.4		ug/L		107	66 - 130
1,2,4-Trimethylbenzene	0.86	U	20.0	21.7		ug/L		109	70 - 132
1,3,5-Trimethylbenzene	0.54	U	20.0	21.8		ug/L		109	65 - 134
Vinyl chloride	0.50	U	20.0	23.3		ug/L		117	48 - 147
o-Xylene	0.50	U	20.0	24.3		ug/L		121	69 - 130
2-Butanone (MEK)	8.4	U	40.0	41.1		ug/L		103	63 - 140
4-Methyl-2-pentanone (MIBK)	3.8	U	40.0	49.1		ug/L		123	64 - 137
Carbon disulfide	1.0	U	40.0	39.4		ug/L		99	30 - 150
2-Hexanone	4.4	U	40.0	44.0		ug/L		110	60 - 148
Methyl tert-butyl ether	0.44	U	40.0	45.5		ug/L		114	67 - 130

Surrogate	*MS % Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*101*		*70 - 130*
4-Bromofluorobenzene	*100*		*70 - 130*
Dibromofluoromethane	*103*		*70 - 130*

Lab Sample ID: 660-44030-B-3 DU
Matrix: Water
Analysis Batch: 116183

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Acetone	9.9	U	9.9	U	ug/L		NC	30
Benzene	0.50	U	0.50	U	ug/L		NC	30
Bromobenzene	0.58	U	0.58	U	ug/L		NC	30
Chlorobromomethane	0.58	U	0.58	U	ug/L		NC	30
Dichlorobromomethane	0.35	U	0.35	U	ug/L		NC	30
Bromoform	0.58	U	0.58	U	ug/L		NC	30
Bromomethane	2.5	U	2.5	U	ug/L		NC	30
n-Butylbenzene	0.67	U	0.67	U	ug/L		NC	30
sec-Butylbenzene	0.63	U	0.63	U	ug/L		NC	30
tert-Butylbenzene	0.84	U	0.84	U	ug/L		NC	30
Carbon tetrachloride	0.42	U	0.42	U	ug/L		NC	30
Chlorobenzene	0.63	U	0.63	U	ug/L		NC	30
Chloroethane	2.5	U	2.5	U	ug/L		NC	30
Chloroform	0.90	U	0.90	U	ug/L		NC	30
Chloromethane	1.0	U	1.0	U	ug/L		NC	30
2-Chlorotoluene	0.65	U	0.65	U	ug/L		NC	30
4-Chlorotoluene	0.52	U	0.52	U	ug/L		NC	30
Chlorodibromomethane	0.34	U	0.34	U	ug/L		NC	30
1,2-Dibromo-3-Chloropropane	2.5	U	2.5	U	ug/L		NC	30
Ethylene Dibromide	0.50	U	0.50	U	ug/L		NC	30
Dibromomethane	0.41	U	0.41	U	ug/L		NC	30
1,2-Dichlorobenzene	0.44	U	0.44	U	ug/L		NC	30
1,3-Dichlorobenzene	0.64	U	0.64	U	ug/L		NC	30

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

Lab Sample ID: 660-44030-B-3 DU
Matrix: Water
Analysis Batch: 116183

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
1,4-Dichlorobenzene	0.52	U		0.52	U	ug/L				NC	30
Dichlorodifluoromethane	2.5	U		2.5	U	ug/L				NC	30
1,1-Dichloroethane	0.52	U		0.52	U	ug/L				NC	30
1,2-Dichloroethane	0.57	U		0.57	U	ug/L				NC	30
1,1,1,2-Tetrachloroethane	0.63	U		0.63	U	ug/L				NC	30
1,1-Dichloroethene	0.45	U		0.45	U	ug/L				NC	30
cis-1,2-Dichloroethene	0.65	U		0.65	U	ug/L				NC	30
trans-1,2-Dichloroethene	0.44	U		0.44	U	ug/L				NC	30
1,2-Dichloropropane	0.52	U		0.52	U	ug/L				NC	30
1,3-Dichloropropane	0.39	U		0.39	U	ug/L				NC	30
2,2-Dichloropropane	0.36	U		0.36	U	ug/L				NC	30
1,1-Dichloropropene	0.31	U		0.31	U	ug/L				NC	30
cis-1,3-Dichloropropene	0.14	U		0.14	U	ug/L				NC	30
trans-1,3-Dichloropropene	0.14	U		0.14	U	ug/L				NC	30
Ethylbenzene	0.44	U		0.44	U	ug/L				NC	30
Hexachlorobutadiene	0.40	U		0.40	U	ug/L				NC	30
Isopropylbenzene	0.19	U		0.19	U	ug/L				NC	30
4-Isopropyltoluene	0.69	U		0.69	U	ug/L				NC	30
Methylene Chloride	4.0	U		4.0	U	ug/L				NC	30
Naphthalene	2.5	U		2.5	U	ug/L				NC	30
N-Propylbenzene	0.59	U		0.59	U	ug/L				NC	30
Styrene	0.98	U		0.98	U	ug/L				NC	30
1,1,2,2-Tetrachloroethane	0.15	U		0.15	U	ug/L				NC	30
Tetrachloroethene	0.50	U		0.50	U	ug/L				NC	30
Toluene	1.0	U		1.0	U	ug/L				NC	30
1,2,3-Trichlorobenzene	0.77	U		0.77	U	ug/L				NC	30
1,2,4-Trichlorobenzene	0.58	U		0.58	U	ug/L				NC	30
1,1,1-Trichloroethane	0.46	U		0.46	U	ug/L				NC	30
1,1,2-Trichloroethane	0.47	U		0.47	U	ug/L				NC	30
Trichloroethene	0.50	U		0.50	U	ug/L				NC	30
Trichlorofluoromethane	2.5	U		2.5	U	ug/L				NC	30
1,2,3-Trichloropropane	0.18	U		0.18	U	ug/L				NC	30
1,2,4-Trimethylbenzene	0.86	U		0.86	U	ug/L				NC	30
1,3,5-Trimethylbenzene	0.54	U		0.54	U	ug/L				NC	30
Vinyl chloride	0.50	U		0.50	U	ug/L				NC	30
o-Xylene	0.50	U		0.50	U	ug/L				NC	30
2-Butanone (MEK)	8.4	U		8.4	U	ug/L				NC	30
4-Methyl-2-pentanone (MIBK)	3.8	U		3.8	U	ug/L				NC	30
Carbon disulfide	1.0	U		1.0	U	ug/L				NC	30
2-Hexanone	4.4	U		4.4	U	ug/L				NC	30
Methyl tert-butyl ether	0.44	U		0.44	U	ug/L				NC	30
m-Xylene & p-Xylene	0.60	U		0.60	U	ug/L				NC	30

Surrogate	*DU % Recovery*	*DU Qualifier*	*Limits*
Toluene-d8 (Surr)	*99*		*70 - 130*
4-Bromofluorobenzene	*102*		*70 - 130*
Dibromofluoromethane	*96*		*70 - 130*

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44018-1

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Lab Sample ID: MB 660-116138/6 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 116138

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			10/12/11 00:35	1

Lab Sample ID: LCS 660-116138/4 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 116138

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits		
1,4-Dioxane			25.0	25.2		ug/L		101	50 - 150		

Lab Sample ID: 660-44018-2 MS — **Client Sample ID: Mid-Process**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 116138

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits		
1,4-Dioxane	1.0	U	25.0	22.9		ug/L		92	50 - 150		

Lab Sample ID: 660-44018-1 DU — **Client Sample ID: Primary GAC Effluent**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 116138

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
1,4-Dioxane	1.0	U		1.0	U	ug/L				NC	50

QC Association Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44018-1

GC/MS VOA

Analysis Batch: 116138

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-44018-1	Primary GAC Effluent	Total/NA	Water	8260C _SIM/ID	
660-44018-1 DU	Primary GAC Effluent	Total/NA	Water	8260C _SIM/ID	
660-44018-2	Mid-Process	Total/NA	Water	8260C _SIM/ID	
660-44018-2 MS	Mid-Process	Total/NA	Water	8260C _SIM/ID	
LCS 660-116138/4	Lab Control Sample	Total/NA	Water	8260C _SIM/ID	
MB 660-116138/6	Method Blank	Total/NA	Water	8260C _SIM/ID	

Analysis Batch: 116183

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-44018-1	Primary GAC Effluent	Total/NA	Water	8260B	
660-44018-2	Mid-Process	Total/NA	Water	8260B	
660-44030-B-2 MS	Matrix Spike	Total/NA	Water	8260B	
660-44030-B-3 DU	Duplicate	Total/NA	Water	8260B	
LCS 660-116183/4	Lab Control Sample	Total/NA	Water	8260B	
MB 660-116183/7	Method Blank	Total/NA	Water	8260B	

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44018-1

Client Sample ID: Primary GAC Effluent

Lab Sample ID: 660-44018-1

Date Collected: 10/11/11 08:30

Matrix: Water

Date Received: 10/11/11 10:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C _SIM/ID		1	116138	10/12/11 00:58	RM	TAL TAM
Total/NA	Analysis	8260B		1	116183	10/12/11 20:27	RM	TAL TAM

Client Sample ID: Mid-Process

Lab Sample ID: 660-44018-2

Date Collected: 10/11/11 08:35

Matrix: Water

Date Received: 10/11/11 10:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C _SIM/ID		1	116138	10/12/11 01:42	RM	TAL TAM
Total/NA	Analysis	8260B		1	116183	10/12/11 20:49	RM	TAL TAM

Laboratory References:
TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Certification Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44018-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Tampa	Alabama	State Program	4	40610
TestAmerica Tampa	Florida	NELAC	4	E84282
TestAmerica Tampa	Georgia	State Program	4	905
TestAmerica Tampa	USDA	USDA		P330-11-00177

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44018-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL TAM
8260C _SIM/ID	1,4-Dioxane by SIM/Isotopic Dilution	SW846	TAL TAM

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44018-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
660-44018-1	Primary GAC Effluent	Water	10/11/11 08:30	10/11/11 10:55
660-44018-2	Mid-Process	Water	10/11/11 08:35	10/11/11 10:55

Serial Number 018039

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

660-44018

TestAmerica Tampa
6712 Benjamin Road, Suite 100
Tampa, FL 33634
Website: www.testamericainc.com
Phone: (813) 885-7427
Fax: (813) 885-7049

Alternate Laboratory Name/Location
Phone:
Fax:

10/13/2011

PROJECT REFERENCE: Tallevast Carbon OM	PROJECT NO.: —	PROJECT LOCATION (STATE): FL	PAGE 1 OF 9
SAMPLER'S SIGNATURE: [signature]	P.O. NUMBER: 38055.0038.00009	CONTRACT NO.: —	STANDARD REPORT DELIVERY ○
CLIENT (SITE) PM: Don Sauda	CLIENT PHONE: 8137484874	CLIENT FAX:	DATE DUE:
CLIENT NAME: Arcadis	CLIENT E-MAIL: donald.sauda@arcadis-us.com		EXPEDITED REPORT DELIVERY (SURCHARGE) ☒ DATE DUE: 48 hrs
CLIENT ADDRESS: 1600 Tallevast Rd Sarasota, FL			
COMPANY CONTRACTING THIS WORK (if applicable): LMC			NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT...)	8260 BTEX Sum 10									REMARKS
								HCL	PRESERVATIVE								
10-11-11	0830	Primary GAC effluent	G	X				4									inf flow = 21.9
10-11-11	0835	Mid-Process	G	X				4									sys flow = 22
																	inf pH = 2.8
																	eff pH = 6.7

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS [signature]			[signature]	10-11-11	1055			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS [signature]	10-10-11	0800	[signature]	10-11-11	1055			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT YES ○ NO ○	CUSTODY SEAL NO.	TAMPA LOG NO.	COOLER TEMP. UPON RECEIPT 2 °C	LABORATORY REMARKS
						CU-07	

TAL8240-660 (0209)

R625-EDC-002289-0

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 660-44018-1

Login Number: 44018
List Number: 1
Creator: Redding, Charles S

List Source: TestAmerica Tampa

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	2.7 degrees C CU-07
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Tampa
6712 Benjamin Road
Suite 100
Tampa, FL 33634
Tel: (813)885-7427

TestAmerica Job ID: 660-44145-1
Client Project/Site: Tallevast Carbon OM

For:
ARCADIS U.S. Inc
6723 Towpath Road
PO BOX 66
Syracuse, New York 13214

Attn: Donald Sauda

Authorized for release by:
10/19/2011 01:20:02 PM

Tina Fritz
Project Manager II
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LINKS

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Results relate only to the items tested and the sample(s) as received by the laboratory. The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

R625-EDC-002289-0

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Definitions/Glossary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44145-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates that the compound was analyzed for but not detected.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44145-1

Client Sample ID: Primary GAC Effluent — Lab Sample ID: 660-44145-1

No Detections

Client Sample ID: Mid Process — Lab Sample ID: 660-44145-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	13	I	20	9.9	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	9.6		1.0	0.52	ug/L	1		8260B	Total/NA

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44145-1

Client Sample ID: Primary GAC Effluent

Date Collected: 10/18/11 08:30
Date Received: 10/18/11 12:24

Lab Sample ID: 660-44145-1

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			10/18/11 20:05	1
Benzene	0.50	U	1.0	0.50	ug/L			10/18/11 20:05	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			10/18/11 20:05	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			10/18/11 20:05	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			10/18/11 20:05	1
Bromoform	0.58	U	1.0	0.58	ug/L			10/18/11 20:05	1
Bromomethane	2.5	U	5.0	2.5	ug/L			10/18/11 20:05	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			10/18/11 20:05	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			10/18/11 20:05	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			10/18/11 20:05	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			10/18/11 20:05	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			10/18/11 20:05	1
Chloroethane	2.5	U	5.0	2.5	ug/L			10/18/11 20:05	1
Chloroform	0.90	U	1.0	0.90	ug/L			10/18/11 20:05	1
Chloromethane	1.0	U	4.0	1.0	ug/L			10/18/11 20:05	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			10/18/11 20:05	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			10/18/11 20:05	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			10/18/11 20:05	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			10/18/11 20:05	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			10/18/11 20:05	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			10/18/11 20:05	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			10/18/11 20:05	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			10/18/11 20:05	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			10/18/11 20:05	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			10/18/11 20:05	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			10/18/11 20:05	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			10/18/11 20:05	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			10/18/11 20:05	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			10/18/11 20:05	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			10/18/11 20:05	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			10/18/11 20:05	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			10/18/11 20:05	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			10/18/11 20:05	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			10/18/11 20:05	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			10/18/11 20:05	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			10/18/11 20:05	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			10/18/11 20:05	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			10/18/11 20:05	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			10/18/11 20:05	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			10/18/11 20:05	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			10/18/11 20:05	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			10/18/11 20:05	1
Naphthalene	2.5	U	5.0	2.5	ug/L			10/18/11 20:05	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			10/18/11 20:05	1
Styrene	0.98	U	2.0	0.98	ug/L			10/18/11 20:05	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			10/18/11 20:05	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			10/18/11 20:05	1
Toluene	1.0	U	1.0	1.0	ug/L			10/18/11 20:05	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			10/18/11 20:05	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			10/18/11 20:05	1

Client Sample ID: Primary GAC Effluent

Lab Sample ID: 660-44145-1

Date Collected: 10/18/11 08:30

Matrix: Water

Date Received: 10/18/11 12:24

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			10/18/11 20:05	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			10/18/11 20:05	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			10/18/11 20:05	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			10/18/11 20:05	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			10/18/11 20:05	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			10/18/11 20:05	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			10/18/11 20:05	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			10/18/11 20:05	1
o-Xylene	0.50	U	1.0	0.50	ug/L			10/18/11 20:05	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			10/18/11 20:05	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			10/18/11 20:05	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			10/18/11 20:05	1
2-Hexanone	4.4	U	10	4.4	ug/L			10/18/11 20:05	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			10/18/11 20:05	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			10/18/11 20:05	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*70 - 130*		*10/18/11 20:05*	*1*
4-Bromofluorobenzene	*100*		*70 - 130*		*10/18/11 20:05*	*1*
Dibromofluoromethane	*94*		*70 - 130*		*10/18/11 20:05*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			10/18/11 21:09	1

Client Sample ID: Mid Process

Lab Sample ID: 660-44145-2

Date Collected: 10/18/11 08:35

Matrix: Water

Date Received: 10/18/11 12:24

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**13**	**I**	20	9.9	ug/L			10/18/11 20:24	1
Benzene	0.50	U	1.0	0.50	ug/L			10/18/11 20:24	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			10/18/11 20:24	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			10/18/11 20:24	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			10/18/11 20:24	1
Bromoform	0.58	U	1.0	0.58	ug/L			10/18/11 20:24	1
Bromomethane	2.5	U	5.0	2.5	ug/L			10/18/11 20:24	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			10/18/11 20:24	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			10/18/11 20:24	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			10/18/11 20:24	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			10/18/11 20:24	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			10/18/11 20:24	1
Chloroethane	2.5	U	5.0	2.5	ug/L			10/18/11 20:24	1
Chloroform	0.90	U	1.0	0.90	ug/L			10/18/11 20:24	1
Chloromethane	1.0	U	4.0	1.0	ug/L			10/18/11 20:24	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			10/18/11 20:24	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			10/18/11 20:24	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			10/18/11 20:24	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			10/18/11 20:24	1

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44145-1

Client Sample ID: Mid Process

Date Collected: 10/18/11 08:35
Date Received: 10/18/11 12:24

Lab Sample ID: 660-44145-2

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			10/18/11 20:24	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			10/18/11 20:24	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			10/18/11 20:24	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			10/18/11 20:24	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			10/18/11 20:24	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			10/18/11 20:24	1
1,1-Dichloroethane	**9.6**		1.0	0.52	ug/L			10/18/11 20:24	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			10/18/11 20:24	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			10/18/11 20:24	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			10/18/11 20:24	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			10/18/11 20:24	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			10/18/11 20:24	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			10/18/11 20:24	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			10/18/11 20:24	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			10/18/11 20:24	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			10/18/11 20:24	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			10/18/11 20:24	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			10/18/11 20:24	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			10/18/11 20:24	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			10/18/11 20:24	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			10/18/11 20:24	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			10/18/11 20:24	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			10/18/11 20:24	1
Naphthalene	2.5	U	5.0	2.5	ug/L			10/18/11 20:24	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			10/18/11 20:24	1
Styrene	0.98	U	2.0	0.98	ug/L			10/18/11 20:24	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			10/18/11 20:24	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			10/18/11 20:24	1
Toluene	1.0	U	1.0	1.0	ug/L			10/18/11 20:24	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			10/18/11 20:24	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			10/18/11 20:24	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			10/18/11 20:24	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			10/18/11 20:24	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			10/18/11 20:24	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			10/18/11 20:24	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			10/18/11 20:24	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			10/18/11 20:24	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			10/18/11 20:24	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			10/18/11 20:24	1
o-Xylene	0.50	U	1.0	0.50	ug/L			10/18/11 20:24	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			10/18/11 20:24	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			10/18/11 20:24	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			10/18/11 20:24	1
2-Hexanone	4.4	U	10	4.4	ug/L			10/18/11 20:24	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			10/18/11 20:24	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			10/18/11 20:24	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*70 - 130*		*10/18/11 20:24*	*1*
4-Bromofluorobenzene	*104*		*70 - 130*		*10/18/11 20:24*	*1*

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44145-1

Client Sample ID: Mid Process

Date Collected: 10/18/11 08:35
Date Received: 10/18/11 12:24

Lab Sample ID: 660-44145-2

Matrix: Water

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

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*94*		*70 - 130*		*10/18/11 20:24*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			10/18/11 21:35	1

Surrogate Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44145-1

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)
660-44128-E-4 MS	Matrix Spike	101	98	97
660-44128-F-3 DU	Duplicate	99	99	92
660-44145-1	Primary GAC Effluent	98	100	94
660-44145-2	Mid Process	95	104	94
LCS 660-116449/4	Lab Control Sample	99	97	96
MB 660-116449/6	Method Blank	98	98	95

Surrogate Legend

TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane

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

Lab Sample ID: MB 660-116449/6
Matrix: Water
Analysis Batch: 116449

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			10/18/11 15:51	1
Benzene	0.50	U	1.0	0.50	ug/L			10/18/11 15:51	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			10/18/11 15:51	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			10/18/11 15:51	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			10/18/11 15:51	1
Bromoform	0.58	U	1.0	0.58	ug/L			10/18/11 15:51	1
Bromomethane	2.5	U	5.0	2.5	ug/L			10/18/11 15:51	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			10/18/11 15:51	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			10/18/11 15:51	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			10/18/11 15:51	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			10/18/11 15:51	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			10/18/11 15:51	1
Chloroethane	2.5	U	5.0	2.5	ug/L			10/18/11 15:51	1
Chloroform	0.90	U	1.0	0.90	ug/L			10/18/11 15:51	1
Chloromethane	1.0	U	4.0	1.0	ug/L			10/18/11 15:51	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			10/18/11 15:51	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			10/18/11 15:51	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			10/18/11 15:51	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			10/18/11 15:51	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			10/18/11 15:51	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			10/18/11 15:51	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			10/18/11 15:51	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			10/18/11 15:51	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			10/18/11 15:51	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			10/18/11 15:51	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			10/18/11 15:51	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			10/18/11 15:51	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			10/18/11 15:51	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			10/18/11 15:51	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			10/18/11 15:51	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			10/18/11 15:51	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			10/18/11 15:51	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			10/18/11 15:51	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			10/18/11 15:51	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			10/18/11 15:51	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			10/18/11 15:51	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			10/18/11 15:51	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			10/18/11 15:51	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			10/18/11 15:51	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			10/18/11 15:51	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			10/18/11 15:51	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			10/18/11 15:51	1
Naphthalene	2.5	U	5.0	2.5	ug/L			10/18/11 15:51	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			10/18/11 15:51	1
Styrene	0.98	U	2.0	0.98	ug/L			10/18/11 15:51	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			10/18/11 15:51	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			10/18/11 15:51	1
Toluene	1.0	U	1.0	1.0	ug/L			10/18/11 15:51	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			10/18/11 15:51	1

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

Lab Sample ID: MB 660-116449/6
Matrix: Water
Analysis Batch: 116449

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			10/18/11 15:51	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			10/18/11 15:51	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			10/18/11 15:51	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			10/18/11 15:51	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			10/18/11 15:51	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			10/18/11 15:51	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			10/18/11 15:51	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			10/18/11 15:51	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			10/18/11 15:51	1
o-Xylene	0.50	U	1.0	0.50	ug/L			10/18/11 15:51	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			10/18/11 15:51	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			10/18/11 15:51	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			10/18/11 15:51	1
2-Hexanone	4.4	U	10	4.4	ug/L			10/18/11 15:51	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			10/18/11 15:51	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			10/18/11 15:51	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*70 - 130*		*10/18/11 15:51*	*1*
4-Bromofluorobenzene	*98*		*70 - 130*		*10/18/11 15:51*	*1*
Dibromofluoromethane	*95*		*70 - 130*		*10/18/11 15:51*	*1*

Lab Sample ID: LCS 660-116449/4
Matrix: Water
Analysis Batch: 116449

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	40.0	40.6		ug/L		101	62 - 142
Benzene	20.0	17.7		ug/L		88	68 - 134
Bromobenzene	20.0	19.4		ug/L		97	70 - 130
Chlorobromomethane	20.0	17.4		ug/L		87	70 - 130
Dichlorobromomethane	20.0	18.7		ug/L		94	70 - 130
Bromoform	20.0	19.2		ug/L		96	65 - 130
Bromomethane	20.0	15.8		ug/L		79	22 - 150
n-Butylbenzene	20.0	18.6		ug/L		93	61 - 131
sec-Butylbenzene	20.0	18.8		ug/L		94	68 - 133
tert-Butylbenzene	20.0	17.9		ug/L		89	64 - 130
Carbon tetrachloride	20.0	17.1		ug/L		86	61 - 134
Chlorobenzene	20.0	20.6		ug/L		103	70 - 130
Chloroethane	20.0	16.3		ug/L		82	39 - 150
Chloroform	20.0	16.7		ug/L		84	68 - 130
Chloromethane	20.0	19.5		ug/L		97	35 - 150
2-Chlorotoluene	20.0	20.0		ug/L		100	70 - 130
4-Chlorotoluene	20.0	20.4		ug/L		102	70 - 130
Chlorodibromomethane	20.0	17.5		ug/L		88	70 - 130
1,2-Dibromo-3-Chloropropane	20.0	18.6		ug/L		93	63 - 130
Ethylene Dibromide	20.0	18.0		ug/L		90	66 - 130
Dibromomethane	20.0	18.5		ug/L		92	70 - 130
1,2-Dichlorobenzene	20.0	20.0		ug/L		100	70 - 130

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

Lab Sample ID: LCS 660-116449/4
Matrix: Water
Analysis Batch: 116449

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
1,3-Dichlorobenzene	20.0	21.0		ug/L		105	70 - 130
1,4-Dichlorobenzene	20.0	19.8		ug/L		99	70 - 130
Dichlorodifluoromethane	20.0	18.0		ug/L		90	16 - 149
1,1-Dichloroethane	20.0	17.1		ug/L		85	66 - 130
1,2-Dichloroethane	20.0	17.3		ug/L		87	70 - 130
1,1,1,2-Tetrachloroethane	20.0	19.4		ug/L		97	70 - 130
1,1-Dichloroethene	20.0	16.1		ug/L		81	51 - 150
cis-1,2-Dichloroethene	20.0	17.1		ug/L		85	66 - 130
trans-1,2-Dichloroethene	20.0	17.3		ug/L		87	62 - 139
1,2-Dichloropropane	20.0	17.7		ug/L		89	70 - 130
1,3-Dichloropropane	20.0	17.8		ug/L		89	70 - 130
2,2-Dichloropropane	20.0	16.3		ug/L		81	66 - 134
1,1-Dichloropropene	20.0	16.9		ug/L		84	65 - 136
cis-1,3-Dichloropropene	20.0	17.8		ug/L		89	70 - 130
trans-1,3-Dichloropropene	20.0	17.2		ug/L		86	67 - 130
Ethylbenzene	20.0	20.6		ug/L		103	70 - 130
Hexachlorobutadiene	20.0	18.6		ug/L		93	62 - 143
Isopropylbenzene	20.0	20.1		ug/L		100	62 - 130
4-Isopropyltoluene	20.0	18.4		ug/L		92	65 - 134
Methylene Chloride	20.0	18.0		ug/L		90	57 - 130
Naphthalene	20.0	15.1		ug/L		76	50 - 136
N-Propylbenzene	20.0	21.0		ug/L		105	67 - 130
Styrene	20.0	18.7		ug/L		94	68 - 131
1,1,2,2-Tetrachloroethane	20.0	19.2		ug/L		96	70 - 130
Tetrachloroethene	20.0	16.9		ug/L		85	50 - 143
Toluene	20.0	18.5		ug/L		92	70 - 131
1,2,3-Trichlorobenzene	20.0	20.2		ug/L		101	58 - 132
1,2,4-Trichlorobenzene	20.0	18.6		ug/L		93	66 - 130
1,1,1-Trichloroethane	20.0	16.1		ug/L		81	63 - 132
1,1,2-Trichloroethane	20.0	17.4		ug/L		87	70 - 130
Trichloroethene	20.0	16.6		ug/L		83	63 - 139
Trichlorofluoromethane	20.0	20.5		ug/L		103	62 - 146
1,2,3-Trichloropropane	20.0	18.9		ug/L		94	66 - 130
1,2,4-Trimethylbenzene	20.0	18.7		ug/L		94	70 - 132
1,3,5-Trimethylbenzene	20.0	20.9		ug/L		104	65 - 134
Vinyl chloride	20.0	17.7		ug/L		89	48 - 147
o-Xylene	20.0	20.2		ug/L		101	69 - 130
2-Butanone (MEK)	40.0	36.7		ug/L		92	63 - 140
4-Methyl-2-pentanone (MIBK)	40.0	31.2		ug/L		78	64 - 137
Carbon disulfide	40.0	33.4		ug/L		83	30 - 150
2-Hexanone	40.0	34.8		ug/L		87	60 - 148
Methyl tert-butyl ether	40.0	29.0		ug/L		73	67 - 130

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*99*		*70 - 130*
4-Bromofluorobenzene	*97*		*70 - 130*
Dibromofluoromethane	*96*		*70 - 130*

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

Lab Sample ID: 660-44128-E-4 MS
Matrix: Water
Analysis Batch: 116449

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	9.9	U	40.0	37.6		ug/L		94	62 - 142
Benzene	0.50	U	20.0	18.4		ug/L		92	68 - 134
Bromobenzene	0.58	U	20.0	20.4		ug/L		102	70 - 130
Chlorobromomethane	0.58	U	20.0	18.2		ug/L		91	70 - 130
Dichlorobromomethane	0.35	U	20.0	19.6		ug/L		98	70 - 130
Bromoform	0.58	U	20.0	18.5		ug/L		93	65 - 130
Bromomethane	2.5	U	20.0	14.5		ug/L		73	22 - 150
n-Butylbenzene	0.67	U	20.0	18.0		ug/L		90	61 - 131
sec-Butylbenzene	0.63	U	20.0	18.7		ug/L		94	68 - 133
tert-Butylbenzene	0.84	U	20.0	18.3		ug/L		92	64 - 130
Carbon tetrachloride	0.42	U	20.0	17.1		ug/L		85	61 - 134
Chlorobenzene	0.63	U	20.0	21.4		ug/L		107	70 - 130
Chloroethane	2.5	U	20.0	18.3		ug/L		91	39 - 150
Chloroform	0.90	U	20.0	17.9		ug/L		90	68 - 130
Chloromethane	1.0	U	20.0	20.4		ug/L		102	35 - 150
2-Chlorotoluene	0.65	U	20.0	20.5		ug/L		103	70 - 130
4-Chlorotoluene	0.52	U	20.0	21.8		ug/L		109	70 - 130
Chlorodibromomethane	0.34	U	20.0	18.1		ug/L		90	70 - 130
1,2-Dibromo-3-Chloropropane	2.5	U	20.0	19.6		ug/L		98	63 - 130
Ethylene Dibromide	0.50	U	20.0	18.9		ug/L		95	66 - 130
Dibromomethane	0.41	U	20.0	20.0		ug/L		100	70 - 130
1,2-Dichlorobenzene	0.44	U	20.0	20.8		ug/L		104	70 - 130
1,3-Dichlorobenzene	0.64	U	20.0	21.1		ug/L		105	70 - 130
1,4-Dichlorobenzene	0.52	U	20.0	20.7		ug/L		103	70 - 130
Dichlorodifluoromethane	2.5	U	20.0	16.4		ug/L		82	16 - 149
1,1-Dichloroethane	0.52	U	20.0	18.0		ug/L		90	66 - 130
1,2-Dichloroethane	0.57	U	20.0	18.5		ug/L		93	70 - 130
1,1,1,2-Tetrachloroethane	0.63	U	20.0	20.0		ug/L		100	70 - 130
1,1-Dichloroethene	0.45	U	20.0	15.9		ug/L		80	51 - 150
cis-1,2-Dichloroethene	0.65	U	20.0	18.0		ug/L		90	66 - 130
trans-1,2-Dichloroethene	0.44	U	20.0	17.0		ug/L		85	62 - 139
1,2-Dichloropropane	0.52	U	20.0	19.6		ug/L		98	70 - 130
1,3-Dichloropropane	0.39	U	20.0	19.4		ug/L		97	70 - 130
2,2-Dichloropropane	0.36	U	20.0	16.4		ug/L		82	66 - 134
1,1-Dichloropropene	0.31	U	20.0	16.6		ug/L		83	65 - 136
cis-1,3-Dichloropropene	0.14	U	20.0	19.0		ug/L		95	70 - 130
trans-1,3-Dichloropropene	0.14	U	20.0	18.7		ug/L		94	67 - 130
Ethylbenzene	0.44	U	20.0	20.7		ug/L		103	70 - 130
Hexachlorobutadiene	0.40	U	20.0	17.6		ug/L		88	62 - 143
Isopropylbenzene	0.19	U	20.0	20.4		ug/L		102	62 - 130
4-Isopropyltoluene	0.69	U	20.0	18.6		ug/L		93	65 - 134
Methylene Chloride	4.0	U	20.0	17.7		ug/L		88	57 - 130
Naphthalene	2.5	U	20.0	15.5		ug/L		78	50 - 136
N-Propylbenzene	0.59	U	20.0	21.6		ug/L		108	67 - 130
Styrene	0.98	U	20.0	19.6		ug/L		98	68 - 131
1,1,2,2-Tetrachloroethane	0.15	U	20.0	20.3		ug/L		102	70 - 130
Tetrachloroethene	0.50	U	20.0	17.2		ug/L		86	50 - 143
Toluene	1.0	U	20.0	19.4		ug/L		97	70 - 131
1,2,3-Trichlorobenzene	0.77	U	20.0	21.0		ug/L		105	58 - 132

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

Lab Sample ID: 660-44128-E-4 MS
Matrix: Water
Analysis Batch: 116449

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
1,2,4-Trichlorobenzene	0.58	U	20.0	19.3		ug/L		96	66 - 130
1,1,1-Trichloroethane	0.46	U	20.0	16.9		ug/L		84	63 - 132
1,1,2-Trichloroethane	0.47	U	20.0	19.4		ug/L		97	70 - 130
Trichloroethene	0.50	U	20.0	17.0		ug/L		85	63 - 139
Trichlorofluoromethane	2.5	U	20.0	20.1		ug/L		101	62 - 146
1,2,3-Trichloropropane	0.18	U	20.0	20.6		ug/L		103	66 - 130
1,2,4-Trimethylbenzene	0.86	U	20.0	19.8		ug/L		99	70 - 132
1,3,5-Trimethylbenzene	0.54	U	20.0	21.4		ug/L		107	65 - 134
Vinyl chloride	0.50	U	20.0	17.7		ug/L		89	48 - 147
o-Xylene	0.50	U	20.0	21.2		ug/L		106	69 - 130
2-Butanone (MEK)	8.4	U	40.0	40.0		ug/L		100	63 - 140
4-Methyl-2-pentanone (MIBK)	3.8	U	40.0	50.1		ug/L		125	64 - 137
Carbon disulfide	1.0	U	40.0	33.9		ug/L		85	30 - 150
2-Hexanone	4.4	U	40.0	34.5		ug/L		86	60 - 148
Methyl tert-butyl ether	0.44	U	40.0	30.4		ug/L		76	67 - 130

Surrogate	*MS % Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*101*		*70 - 130*
4-Bromofluorobenzene	*98*		*70 - 130*
Dibromofluoromethane	*97*		*70 - 130*

Lab Sample ID: 660-44128-F-3 DU
Matrix: Water
Analysis Batch: 116449

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Acetone	9.9	U	9.9	U	ug/L		NC	30
Benzene	0.50	U	0.50	U	ug/L		NC	30
Bromobenzene	0.58	U	0.58	U	ug/L		NC	30
Chlorobromomethane	0.58	U	0.58	U	ug/L		NC	30
Dichlorobromomethane	0.35	U	0.35	U	ug/L		NC	30
Bromoform	0.58	U	0.58	U	ug/L		NC	30
Bromomethane	2.5	U	2.5	U	ug/L		NC	30
n-Butylbenzene	0.67	U	0.67	U	ug/L		NC	30
sec-Butylbenzene	0.63	U	0.63	U	ug/L		NC	30
tert-Butylbenzene	0.84	U	0.84	U	ug/L		NC	30
Carbon tetrachloride	0.42	U	0.42	U	ug/L		NC	30
Chlorobenzene	9.9		10.2		ug/L		3	30
Chloroethane	2.5	U	2.5	U	ug/L		NC	30
Chloroform	0.90	U	0.90	U	ug/L		NC	30
Chloromethane	1.0	U	1.0	U	ug/L		NC	30
2-Chlorotoluene	0.65	U	0.65	U	ug/L		NC	30
4-Chlorotoluene	0.52	U	0.52	U	ug/L		NC	30
Chlorodibromomethane	0.34	U	0.34	U	ug/L		NC	30
1,2-Dibromo-3-Chloropropane	2.5	U	2.5	U	ug/L		NC	30
Ethylene Dibromide	0.50	U	0.50	U	ug/L		NC	30
Dibromomethane	0.41	U	0.41	U	ug/L		NC	30
1,2-Dichlorobenzene	0.77	I	0.858	I	ug/L		11	30
1,3-Dichlorobenzene	0.64	U	0.64	U	ug/L		NC	30

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

Lab Sample ID: 660-44128-F-3 DU
Matrix: Water
Analysis Batch: 116449

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
1,4-Dichlorobenzene	2.9			2.68		ug/L				9	30
Dichlorodifluoromethane	2.5	U		2.5	U	ug/L				NC	30
1,1-Dichloroethane	0.52	U		0.52	U	ug/L				NC	30
1,2-Dichloroethane	0.57	U		0.57	U	ug/L				NC	30
1,1,1,2-Tetrachloroethane	0.63	U		0.63	U	ug/L				NC	30
1,1-Dichloroethene	0.45	U		0.45	U	ug/L				NC	30
cis-1,2-Dichloroethene	0.65	U		0.65	U	ug/L				NC	30
trans-1,2-Dichloroethene	0.44	U		0.44	U	ug/L				NC	30
1,2-Dichloropropane	0.52	U		0.52	U	ug/L				NC	30
1,3-Dichloropropane	0.39	U		0.39	U	ug/L				NC	30
2,2-Dichloropropane	0.36	U		0.36	U	ug/L				NC	30
1,1-Dichloropropene	0.31	U		0.31	U	ug/L				NC	30
cis-1,3-Dichloropropene	0.14	U		0.14	U	ug/L				NC	30
trans-1,3-Dichloropropene	0.14	U		0.14	U	ug/L				NC	30
Ethylbenzene	0.44	U		0.44	U	ug/L				NC	30
Hexachlorobutadiene	0.40	U		0.40	U	ug/L				NC	30
Isopropylbenzene	0.19	U		0.19	U	ug/L				NC	30
4-Isopropyltoluene	0.69	U		0.69	U	ug/L				NC	30
Methylene Chloride	4.0	U		4.0	U	ug/L				NC	30
Naphthalene	2.5	U		2.5	U	ug/L				NC	30
N-Propylbenzene	0.59	U		0.59	U	ug/L				NC	30
Styrene	0.98	U		0.98	U	ug/L				NC	30
1,1,2,2-Tetrachloroethane	0.15	U		0.15	U	ug/L				NC	30
Tetrachloroethene	0.50	U		0.50	U	ug/L				NC	30
Toluene	1.0	U		1.0	U	ug/L				NC	30
1,2,3-Trichlorobenzene	0.77	U		0.77	U	ug/L				NC	30
1,2,4-Trichlorobenzene	0.58	U		0.58	U	ug/L				NC	30
1,1,1-Trichloroethane	0.46	U		0.46	U	ug/L				NC	30
1,1,2-Trichloroethane	0.47	U		0.47	U	ug/L				NC	30
Trichloroethene	0.50	U		0.50	U	ug/L				NC	30
Trichlorofluoromethane	2.5	U		2.5	U	ug/L				NC	30
1,2,3-Trichloropropane	0.18	U		0.18	U	ug/L				NC	30
1,2,4-Trimethylbenzene	0.86	U		0.86	U	ug/L				NC	30
1,3,5-Trimethylbenzene	0.54	U		0.54	U	ug/L				NC	30
Vinyl chloride	0.50	U		0.50	U	ug/L				NC	30
o-Xylene	0.50	U		0.50	U	ug/L				NC	30
2-Butanone (MEK)	8.4	U		8.4	U	ug/L				NC	30
4-Methyl-2-pentanone (MIBK)	3.8	U		3.8	U	ug/L				NC	30
Carbon disulfide	1.0	U		1.0	U	ug/L				NC	30
2-Hexanone	4.4	U		4.4	U	ug/L				NC	30
Methyl tert-butyl ether	0.44	U		0.44	U	ug/L				NC	30
m-Xylene & p-Xylene	0.60	U		0.60	U	ug/L				NC	30

Surrogate	*DU % Recovery*	*DU Qualifier*	*Limits*
Toluene-d8 (Surr)	*99*		*70 - 130*
4-Bromofluorobenzene	*99*		*70 - 130*
Dibromofluoromethane	*92*		*70 - 130*

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44145-1

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Lab Sample ID: MB 660-116454/7 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 116454

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			10/18/11 12:35	1

Lab Sample ID: LCS 660-116454/4 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 116454

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits		
1,4-Dioxane			25.0	22.9		ug/L		92	50 - 150		

Lab Sample ID: 640-35757-G-8 MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 116454

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits		
1,4-Dioxane	1.0	U	25.0	24.4		ug/L		98	50 - 150		

Lab Sample ID: 640-35757-G-8 MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 116454

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
1,4-Dioxane	1.0	U	25.0	23.6		ug/L		95	50 - 150	3	50

QC Association Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44145-1

GC/MS VOA

Analysis Batch: 116449

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-44128-E-4 MS	Matrix Spike	Total/NA	Water	8260B	
660-44128-F-3 DU	Duplicate	Total/NA	Water	8260B	
660-44145-1	Primary GAC Effluent	Total/NA	Water	8260B	
660-44145-2	Mid Process	Total/NA	Water	8260B	
LCS 660-116449/4	Lab Control Sample	Total/NA	Water	8260B	
MB 660-116449/6	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 116454

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-35757-G-8 MS	Matrix Spike	Total/NA	Water	8260C _SIM/ID	
640-35757-G-8 MSD	Matrix Spike Duplicate	Total/NA	Water	8260C _SIM/ID	
660-44145-1	Primary GAC Effluent	Total/NA	Water	8260C _SIM/ID	
660-44145-2	Mid Process	Total/NA	Water	8260C _SIM/ID	
LCS 660-116454/4	Lab Control Sample	Total/NA	Water	8260C _SIM/ID	
MB 660-116454/7	Method Blank	Total/NA	Water	8260C _SIM/ID	

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44145-1

Client Sample ID: Primary GAC Effluent

Lab Sample ID: 660-44145-1

Date Collected: 10/18/11 08:30

Matrix: Water

Date Received: 10/18/11 12:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	116449	10/18/11 20:05	RM	TAL TAM
Total/NA	Analysis	8260C _SIM/ID		1	116454	10/18/11 21:09	AP	TAL TAM

Client Sample ID: Mid Process

Lab Sample ID: 660-44145-2

Date Collected: 10/18/11 08:35

Matrix: Water

Date Received: 10/18/11 12:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	116449	10/18/11 20:24	RM	TAL TAM
Total/NA	Analysis	8260C _SIM/ID		1	116454	10/18/11 21:35	AP	TAL TAM

Laboratory References:
TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Certification Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44145-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Tampa	Alabama	State Program	4	40610
TestAmerica Tampa	Florida	NELAC	4	E84282
TestAmerica Tampa	Georgia	State Program	4	905
TestAmerica Tampa	USDA	USDA		P330-11-00177

Accreditation may not be offered or required for all methods and analytes reported in this package . Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44145-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL TAM
8260C _SIM/ID	1,4-Dioxane by SIM/Isotopic Dilution	SW846	TAL TAM

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44145-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
660-44145-1	Primary GAC Effluent	Water	10/18/11 08:30	10/18/11 12:24
660-44145-2	Mid Process	Water	10/18/11 08:35	10/18/11 12:24

Serial Number 018038

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

660-44145

TestAmerica Tampa
6712 Benjamin Road, Suite 100
Tampa, FL 33634
Website: www.testamericainc.com
Phone: (813) 885-7427
Fax: (813) 885-7049

Alternate Laboratory Name/Location
Phone:
Fax:

10/19/2011

PROJECT REFERENCE: Tallevast Carbon OM	PROJECT NO.: —	PROJECT LOCATION (STATE): FL	PAGE 1 OF 1
SAMPLER'S SIGNATURE: [signature]	P.O. NUMBER: 38055.0038.00009	CONTRACT NO.: —	STANDARD REPORT DELIVERY ○
CLIENT (SITE) PM: Don Sauda	CLIENT PHONE: 813 748 4874	CLIENT FAX: —	DATE DUE:
CLIENT NAME: Arcadis	CLIENT E-MAIL: donald.sauda@arcadis-us.com		EXPEDITED REPORT DELIVERY (SURCHARGE) ⊗ DATE DUE: 48 hrs
CLIENT ADDRESS: 1600 Tallevast Rd Sarasota, FL 34243			
COMPANY CONTRACTING THIS WORK (if applicable): CMC			NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

REQUIRED ANALYSIS: 8260 B/C SIM LD

PRESERVATIVE: HCL

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT...)	NUMBER OF CONTAINERS SUBMITTED	REMARKS
10-18-11	0830	Primary GAC Effluent	G	X				4	inf flow = 21.8
10-18-11	0835	Mid Process	G	X				4	sys flow = 21
									inf pH = 2.8
									eff pH = 6.0

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS [signature]			[signature]	10-18-11	1224			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS [signature]	10-17-11	0800	[signature]	10-18-11	1224			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT YES ○ NO ○	CUSTODY SEAL NO.	TAMPA LOG NO.	COOLER TEMP. UPON RECEIPT: 4.9° C cu07	LABORATORY REMARKS:

TAL8240-660 (0209)

R625-EDC-002289-0

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 660-44145-1

Login Number: 44145

List Source: TestAmerica Tampa

List Number: 1

Creator: Redding, Charles S

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	4.9 degrees C Cu-07
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Tampa
6712 Benjamin Road
Suite 100
Tampa, FL 33634
Tel: (813)885-7427

TestAmerica Job ID: 660-44259-1
Client Project/Site: Tallevast Carbon OM

For:
ARCADIS U.S. Inc
6723 Towpath Road
PO BOX 66
Syracuse, New York 13214

Attn: Donald Sauda

Authorized for release by:
10/27/2011 01:39:54 PM

Tina Fritz
Project Manager II
tina.fritz@testamericainc.com

LINKS

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Visit us at: www.testamericainc.com

Results relate only to the items tested and the sample(s) as received by the laboratory. The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

R625-EDC-002289-0

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates that the compound was analyzed for but not detected.
J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 660-44259-1

Laboratory: TestAmerica Tampa

Narrative

Job Narrative
660-44259-1

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
Method 8260B: The matrix spike(MS) recoveries for batch 116792 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44259-1

Client Sample ID: Primary GAC Effluent — Lab Sample ID: 660-44259-1

No Detections

Client Sample ID: Mid-Process — Lab Sample ID: 660-44259-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	20		20	9.9	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	16		1.0	0.52	ug/L	1		8260B	Total/NA

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44259-1

Client Sample ID: Primary GAC Effluent

Date Collected: 10/25/11 08:30
Date Received: 10/25/11 13:45

Lab Sample ID: 660-44259-1

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			10/27/11 09:16	1
Benzene	0.50	U	1.0	0.50	ug/L			10/27/11 09:16	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			10/27/11 09:16	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			10/27/11 09:16	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			10/27/11 09:16	1
Bromoform	0.58	U	1.0	0.58	ug/L			10/27/11 09:16	1
Bromomethane	2.5	U	5.0	2.5	ug/L			10/27/11 09:16	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			10/27/11 09:16	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			10/27/11 09:16	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			10/27/11 09:16	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			10/27/11 09:16	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			10/27/11 09:16	1
Chloroethane	2.5	U	5.0	2.5	ug/L			10/27/11 09:16	1
Chloroform	0.90	U	1.0	0.90	ug/L			10/27/11 09:16	1
Chloromethane	1.0	U	4.0	1.0	ug/L			10/27/11 09:16	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			10/27/11 09:16	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			10/27/11 09:16	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			10/27/11 09:16	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			10/27/11 09:16	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			10/27/11 09:16	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			10/27/11 09:16	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			10/27/11 09:16	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			10/27/11 09:16	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			10/27/11 09:16	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			10/27/11 09:16	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			10/27/11 09:16	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			10/27/11 09:16	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			10/27/11 09:16	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			10/27/11 09:16	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			10/27/11 09:16	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			10/27/11 09:16	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			10/27/11 09:16	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			10/27/11 09:16	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			10/27/11 09:16	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			10/27/11 09:16	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			10/27/11 09:16	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			10/27/11 09:16	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			10/27/11 09:16	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			10/27/11 09:16	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			10/27/11 09:16	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			10/27/11 09:16	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			10/27/11 09:16	1
Naphthalene	2.5	U	5.0	2.5	ug/L			10/27/11 09:16	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			10/27/11 09:16	1
Styrene	0.98	U	2.0	0.98	ug/L			10/27/11 09:16	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			10/27/11 09:16	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			10/27/11 09:16	1
Toluene	1.0	U	1.0	1.0	ug/L			10/27/11 09:16	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			10/27/11 09:16	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			10/27/11 09:16	1

Client Sample ID: Primary GAC Effluent

Lab Sample ID: 660-44259-1

Date Collected: 10/25/11 08:30

Matrix: Water

Date Received: 10/25/11 13:45

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			10/27/11 09:16	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			10/27/11 09:16	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			10/27/11 09:16	1
Trichlorofluoromethane	2.5	U J3	5.0	2.5	ug/L			10/27/11 09:16	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			10/27/11 09:16	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			10/27/11 09:16	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			10/27/11 09:16	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			10/27/11 09:16	1
o-Xylene	0.50	U	1.0	0.50	ug/L			10/27/11 09:16	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			10/27/11 09:16	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			10/27/11 09:16	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			10/27/11 09:16	1
2-Hexanone	4.4	U	10	4.4	ug/L			10/27/11 09:16	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			10/27/11 09:16	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			10/27/11 09:16	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*70 - 130*		*10/27/11 09:16*	*1*
4-Bromofluorobenzene	*96*		*70 - 130*		*10/27/11 09:16*	*1*
Dibromofluoromethane	*99*		*70 - 130*		*10/27/11 09:16*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			10/26/11 11:10	1

Client Sample ID: Mid-Process

Lab Sample ID: 660-44259-2

Date Collected: 10/25/11 08:35

Matrix: Water

Date Received: 10/25/11 13:45

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**20**		20	9.9	ug/L			10/27/11 09:36	1
Benzene	0.50	U	1.0	0.50	ug/L			10/27/11 09:36	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			10/27/11 09:36	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			10/27/11 09:36	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			10/27/11 09:36	1
Bromoform	0.58	U	1.0	0.58	ug/L			10/27/11 09:36	1
Bromomethane	2.5	U	5.0	2.5	ug/L			10/27/11 09:36	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			10/27/11 09:36	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			10/27/11 09:36	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			10/27/11 09:36	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			10/27/11 09:36	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			10/27/11 09:36	1
Chloroethane	2.5	U	5.0	2.5	ug/L			10/27/11 09:36	1
Chloroform	0.90	U	1.0	0.90	ug/L			10/27/11 09:36	1
Chloromethane	1.0	U	4.0	1.0	ug/L			10/27/11 09:36	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			10/27/11 09:36	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			10/27/11 09:36	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			10/27/11 09:36	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			10/27/11 09:36	1

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44259-1

Client Sample ID: Mid-Process

Date Collected: 10/25/11 08:35
Date Received: 10/25/11 13:45

Lab Sample ID: 660-44259-2

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			10/27/11 09:36	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			10/27/11 09:36	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			10/27/11 09:36	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			10/27/11 09:36	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			10/27/11 09:36	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			10/27/11 09:36	1
1,1-Dichloroethane	**16**		1.0	0.52	ug/L			10/27/11 09:36	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			10/27/11 09:36	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			10/27/11 09:36	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			10/27/11 09:36	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			10/27/11 09:36	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			10/27/11 09:36	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			10/27/11 09:36	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			10/27/11 09:36	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			10/27/11 09:36	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			10/27/11 09:36	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			10/27/11 09:36	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			10/27/11 09:36	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			10/27/11 09:36	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			10/27/11 09:36	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			10/27/11 09:36	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			10/27/11 09:36	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			10/27/11 09:36	1
Naphthalene	2.5	U	5.0	2.5	ug/L			10/27/11 09:36	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			10/27/11 09:36	1
Styrene	0.98	U	2.0	0.98	ug/L			10/27/11 09:36	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			10/27/11 09:36	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			10/27/11 09:36	1
Toluene	1.0	U	1.0	1.0	ug/L			10/27/11 09:36	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			10/27/11 09:36	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			10/27/11 09:36	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			10/27/11 09:36	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			10/27/11 09:36	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			10/27/11 09:36	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			10/27/11 09:36	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			10/27/11 09:36	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			10/27/11 09:36	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			10/27/11 09:36	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			10/27/11 09:36	1
o-Xylene	0.50	U	1.0	0.50	ug/L			10/27/11 09:36	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			10/27/11 09:36	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			10/27/11 09:36	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			10/27/11 09:36	1
2-Hexanone	4.4	U	10	4.4	ug/L			10/27/11 09:36	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			10/27/11 09:36	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			10/27/11 09:36	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*104*		*70 - 130*		*10/27/11 09:36*	*1*
4-Bromofluorobenzene	*99*		*70 - 130*		*10/27/11 09:36*	*1*

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44259-1

Client Sample ID: Mid-Process

Date Collected: 10/25/11 08:35
Date Received: 10/25/11 13:45

Lab Sample ID: 660-44259-2

Matrix: Water

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

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*103*		*70 - 130*		*10/27/11 09:36*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			10/26/11 12:40	1

Surrogate Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44259-1

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)
660-44259-1	Primary GAC Effluent	100	96	99
660-44259-1 MS	Primary GAC Effluent	100	98	101
660-44259-2	Mid-Process	104	99	103
660-44259-2 DU	Mid-Process	107	98	110
LCS 660-116792/3	Lab Control Sample	99	95	98
MB 660-116792/5	Method Blank	99	97	98

Surrogate Legend

TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane

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

Lab Sample ID: MB 660-116792/5
Matrix: Water
Analysis Batch: 116792

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			10/27/11 08:53	1
Benzene	0.50	U	1.0	0.50	ug/L			10/27/11 08:53	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			10/27/11 08:53	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			10/27/11 08:53	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			10/27/11 08:53	1
Bromoform	0.58	U	1.0	0.58	ug/L			10/27/11 08:53	1
Bromomethane	2.5	U	5.0	2.5	ug/L			10/27/11 08:53	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			10/27/11 08:53	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			10/27/11 08:53	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			10/27/11 08:53	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			10/27/11 08:53	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			10/27/11 08:53	1
Chloroethane	2.5	U	5.0	2.5	ug/L			10/27/11 08:53	1
Chloroform	0.90	U	1.0	0.90	ug/L			10/27/11 08:53	1
Chloromethane	1.0	U	4.0	1.0	ug/L			10/27/11 08:53	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			10/27/11 08:53	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			10/27/11 08:53	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			10/27/11 08:53	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			10/27/11 08:53	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			10/27/11 08:53	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			10/27/11 08:53	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			10/27/11 08:53	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			10/27/11 08:53	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			10/27/11 08:53	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			10/27/11 08:53	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			10/27/11 08:53	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			10/27/11 08:53	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			10/27/11 08:53	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			10/27/11 08:53	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			10/27/11 08:53	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			10/27/11 08:53	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			10/27/11 08:53	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			10/27/11 08:53	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			10/27/11 08:53	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			10/27/11 08:53	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			10/27/11 08:53	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			10/27/11 08:53	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			10/27/11 08:53	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			10/27/11 08:53	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			10/27/11 08:53	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			10/27/11 08:53	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			10/27/11 08:53	1
Naphthalene	2.5	U	5.0	2.5	ug/L			10/27/11 08:53	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			10/27/11 08:53	1
Styrene	0.98	U	2.0	0.98	ug/L			10/27/11 08:53	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			10/27/11 08:53	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			10/27/11 08:53	1
Toluene	1.0	U	1.0	1.0	ug/L			10/27/11 08:53	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			10/27/11 08:53	1

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

Lab Sample ID: MB 660-116792/5
Matrix: Water
Analysis Batch: 116792

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			10/27/11 08:53	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			10/27/11 08:53	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			10/27/11 08:53	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			10/27/11 08:53	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			10/27/11 08:53	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			10/27/11 08:53	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			10/27/11 08:53	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			10/27/11 08:53	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			10/27/11 08:53	1
o-Xylene	0.50	U	1.0	0.50	ug/L			10/27/11 08:53	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			10/27/11 08:53	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			10/27/11 08:53	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			10/27/11 08:53	1
2-Hexanone	4.4	U	10	4.4	ug/L			10/27/11 08:53	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			10/27/11 08:53	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			10/27/11 08:53	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*70 - 130*		*10/27/11 08:53*	*1*
4-Bromofluorobenzene	*97*		*70 - 130*		*10/27/11 08:53*	*1*
Dibromofluoromethane	*98*		*70 - 130*		*10/27/11 08:53*	*1*

Lab Sample ID: LCS 660-116792/3
Matrix: Water
Analysis Batch: 116792

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	40.0	52.4		ug/L		131	62 - 142
Benzene	20.0	20.2		ug/L		101	68 - 134
Bromobenzene	20.0	22.0		ug/L		110	70 - 130
Chlorobromomethane	20.0	18.5		ug/L		93	70 - 130
Dichlorobromomethane	20.0	20.5		ug/L		102	70 - 130
Bromoform	20.0	19.6		ug/L		98	65 - 130
Bromomethane	20.0	17.3		ug/L		86	22 - 150
n-Butylbenzene	20.0	22.7		ug/L		114	61 - 131
sec-Butylbenzene	20.0	21.9		ug/L		110	68 - 133
tert-Butylbenzene	20.0	22.3		ug/L		112	64 - 130
Carbon tetrachloride	20.0	20.2		ug/L		101	61 - 134
Chlorobenzene	20.0	20.9		ug/L		104	70 - 130
Chloroethane	20.0	19.7		ug/L		99	39 - 150
Chloroform	20.0	19.4		ug/L		97	68 - 130
Chloromethane	20.0	15.0		ug/L		75	35 - 150
2-Chlorotoluene	20.0	21.8		ug/L		109	70 - 130
4-Chlorotoluene	20.0	21.2		ug/L		106	70 - 130
Chlorodibromomethane	20.0	19.9		ug/L		100	70 - 130
1,2-Dibromo-3-Chloropropane	20.0	19.9		ug/L		99	63 - 130
Ethylene Dibromide	20.0	19.8		ug/L		99	66 - 130
Dibromomethane	20.0	19.9		ug/L		99	70 - 130
1,2-Dichlorobenzene	20.0	21.4		ug/L		107	70 - 130

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

Lab Sample ID: LCS 660-116792/3
Matrix: Water
Analysis Batch: 116792

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
1,3-Dichlorobenzene	20.0	21.4		ug/L		107	70 - 130
1,4-Dichlorobenzene	20.0	21.2		ug/L		106	70 - 130
Dichlorodifluoromethane	20.0	14.3		ug/L		72	16 - 149
1,1-Dichloroethane	20.0	19.6		ug/L		98	66 - 130
1,2-Dichloroethane	20.0	20.2		ug/L		101	70 - 130
1,1,1,2-Tetrachloroethane	20.0	20.5		ug/L		102	70 - 130
1,1-Dichloroethene	20.0	19.6		ug/L		98	51 - 150
cis-1,2-Dichloroethene	20.0	20.3		ug/L		102	66 - 130
trans-1,2-Dichloroethene	20.0	19.8		ug/L		99	62 - 139
1,2-Dichloropropane	20.0	20.5		ug/L		102	70 - 130
1,3-Dichloropropane	20.0	19.9		ug/L		100	70 - 130
2,2-Dichloropropane	20.0	20.3		ug/L		102	66 - 134
1,1-Dichloropropene	20.0	20.4		ug/L		102	65 - 136
cis-1,3-Dichloropropene	20.0	20.1		ug/L		100	70 - 130
trans-1,3-Dichloropropene	20.0	19.8		ug/L		99	67 - 130
Ethylbenzene	20.0	21.0		ug/L		105	70 - 130
Hexachlorobutadiene	20.0	20.7		ug/L		103	62 - 143
Isopropylbenzene	20.0	21.2		ug/L		106	62 - 130
4-Isopropyltoluene	20.0	22.9		ug/L		115	65 - 134
Methylene Chloride	20.0	16.0		ug/L		80	57 - 130
Naphthalene	20.0	21.2		ug/L		106	50 - 136
N-Propylbenzene	20.0	22.6		ug/L		113	67 - 130
Styrene	20.0	20.8		ug/L		104	68 - 131
1,1,2,2-Tetrachloroethane	20.0	21.5		ug/L		107	70 - 130
Tetrachloroethene	20.0	20.4		ug/L		102	50 - 143
Toluene	20.0	20.5		ug/L		102	70 - 131
1,2,3-Trichlorobenzene	20.0	21.0		ug/L		105	58 - 132
1,2,4-Trichlorobenzene	20.0	21.6		ug/L		108	66 - 130
1,1,1-Trichloroethane	20.0	20.5		ug/L		103	63 - 132
1,1,2-Trichloroethane	20.0	19.7		ug/L		98	70 - 130
Trichloroethene	20.0	20.1		ug/L		101	63 - 139
Trichlorofluoromethane	20.0	19.4		ug/L		97	62 - 146
1,2,3-Trichloropropane	20.0	22.1		ug/L		111	66 - 130
1,2,4-Trimethylbenzene	20.0	21.6		ug/L		108	70 - 132
1,3,5-Trimethylbenzene	20.0	21.6		ug/L		108	65 - 134
Vinyl chloride	20.0	17.7		ug/L		89	48 - 147
o-Xylene	20.0	20.7		ug/L		104	69 - 130
2-Butanone (MEK)	40.0	40.5		ug/L		101	63 - 140
4-Methyl-2-pentanone (MIBK)	40.0	39.1		ug/L		98	64 - 137
Carbon disulfide	40.0	31.6		ug/L		79	30 - 150
2-Hexanone	40.0	40.5		ug/L		101	60 - 148
Methyl tert-butyl ether	40.0	38.3		ug/L		96	67 - 130

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*99*		*70 - 130*
4-Bromofluorobenzene	*95*		*70 - 130*
Dibromofluoromethane	*98*		*70 - 130*

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

Lab Sample ID: 660-44259-1 MS
Matrix: Water
Analysis Batch: 116792

Client Sample ID: Primary GAC Effluent
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	9.9	U	40.0	46.3		ug/L		116	62 - 142
Benzene	0.50	U	20.0	18.9		ug/L		94	68 - 134
Bromobenzene	0.58	U	20.0	20.5		ug/L		103	70 - 130
Chlorobromomethane	0.58	U	20.0	19.1		ug/L		96	70 - 130
Dichlorobromomethane	0.35	U	20.0	19.2		ug/L		96	70 - 130
Bromoform	0.58	U	20.0	18.3		ug/L		91	65 - 130
Bromomethane	2.5	U	20.0	16.5		ug/L		83	22 - 150
n-Butylbenzene	0.67	U	20.0	19.6		ug/L		98	61 - 131
sec-Butylbenzene	0.63	U	20.0	18.6		ug/L		93	68 - 133
tert-Butylbenzene	0.84	U	20.0	18.6		ug/L		93	64 - 130
Carbon tetrachloride	0.42	U	20.0	15.7		ug/L		78	61 - 134
Chlorobenzene	0.63	U	20.0	20.1		ug/L		100	70 - 130
Chloroethane	2.5	U	20.0	17.8		ug/L		89	39 - 150
Chloroform	0.90	U	20.0	18.7		ug/L		93	68 - 130
Chloromethane	1.0	U	20.0	15.1		ug/L		76	35 - 150
2-Chlorotoluene	0.65	U	20.0	20.1		ug/L		100	70 - 130
4-Chlorotoluene	0.52	U	20.0	20.1		ug/L		101	70 - 130
Chlorodibromomethane	0.34	U	20.0	19.1		ug/L		96	70 - 130
1,2-Dibromo-3-Chloropropane	2.5	U	20.0	19.0		ug/L		95	63 - 130
Ethylene Dibromide	0.50	U	20.0	19.2		ug/L		96	66 - 130
Dibromomethane	0.41	U	20.0	19.1		ug/L		95	70 - 130
1,2-Dichlorobenzene	0.44	U	20.0	21.0		ug/L		105	70 - 130
1,3-Dichlorobenzene	0.64	U	20.0	20.8		ug/L		104	70 - 130
1,4-Dichlorobenzene	0.52	U	20.0	20.6		ug/L		103	70 - 130
Dichlorodifluoromethane	2.5	U	20.0	7.89		ug/L		39	16 - 149
1,1-Dichloroethane	0.52	U	20.0	19.1		ug/L		95	66 - 130
1,2-Dichloroethane	0.57	U	20.0	19.8		ug/L		99	70 - 130
1,1,1,2-Tetrachloroethane	0.63	U	20.0	19.2		ug/L		96	70 - 130
1,1-Dichloroethene	0.45	U	20.0	15.8		ug/L		79	51 - 150
cis-1,2-Dichloroethene	0.65	U	20.0	19.2		ug/L		96	66 - 130
trans-1,2-Dichloroethene	0.44	U	20.0	17.5		ug/L		88	62 - 139
1,2-Dichloropropane	0.52	U	20.0	19.8		ug/L		99	70 - 130
1,3-Dichloropropane	0.39	U	20.0	19.4		ug/L		97	70 - 130
2,2-Dichloropropane	0.36	U	20.0	17.2		ug/L		86	66 - 134
1,1-Dichloropropene	0.31	U	20.0	15.8		ug/L		79	65 - 136
cis-1,3-Dichloropropene	0.14	U	20.0	19.6		ug/L		98	70 - 130
trans-1,3-Dichloropropene	0.14	U	20.0	19.4		ug/L		97	67 - 130
Ethylbenzene	0.44	U	20.0	19.3		ug/L		96	70 - 130
Hexachlorobutadiene	0.40	U	20.0	19.3		ug/L		97	62 - 143
Isopropylbenzene	0.19	U	20.0	18.4		ug/L		92	62 - 130
4-Isopropyltoluene	0.69	U	20.0	20.0		ug/L		100	65 - 134
Methylene Chloride	4.0	U	20.0	16.5		ug/L		82	57 - 130
Naphthalene	2.5	U	20.0	20.8		ug/L		104	50 - 136
N-Propylbenzene	0.59	U	20.0	19.2		ug/L		96	67 - 130
Styrene	0.98	U	20.0	17.2		ug/L		86	68 - 131
1,1,2,2-Tetrachloroethane	0.15	U	20.0	20.4		ug/L		102	70 - 130
Tetrachloroethene	0.50	U	20.0	15.5		ug/L		78	50 - 143
Toluene	1.0	U	20.0	18.6		ug/L		93	70 - 131
1,2,3-Trichlorobenzene	0.77	U	20.0	21.0		ug/L		105	58 - 132

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

Lab Sample ID: 660-44259-1 MS
Matrix: Water
Analysis Batch: 116792

Client Sample ID: Primary GAC Effluent
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
1,2,4-Trichlorobenzene	0.58	U	20.0	21.8		ug/L		109	66 - 130
1,1,1-Trichloroethane	0.46	U	20.0	16.8		ug/L		84	63 - 132
1,1,2-Trichloroethane	0.47	U	20.0	18.5		ug/L		93	70 - 130
Trichloroethene	0.50	U	20.0	17.2		ug/L		86	63 - 139
Trichlorofluoromethane	2.5	U J3	20.0	12.3	J3	ug/L		61	62 - 146
1,2,3-Trichloropropane	0.18	U	20.0	20.3		ug/L		102	66 - 130
1,2,4-Trimethylbenzene	0.86	U	20.0	17.9		ug/L		90	70 - 132
1,3,5-Trimethylbenzene	0.54	U	20.0	18.2		ug/L		91	65 - 134
Vinyl chloride	0.50	U	20.0	13.1		ug/L		65	48 - 147
o-Xylene	0.50	U	20.0	19.5		ug/L		97	69 - 130
2-Butanone (MEK)	8.4	U	40.0	35.2		ug/L		88	63 - 140
4-Methyl-2-pentanone (MIBK)	3.8	U	40.0	40.3		ug/L		101	64 - 137
Carbon disulfide	1.0	U	40.0	24.3		ug/L		61	30 - 150
2-Hexanone	4.4	U	40.0	36.8		ug/L		92	60 - 148
Methyl tert-butyl ether	0.44	U	40.0	39.2		ug/L		98	67 - 130

Surrogate	*MS % Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*100*		*70 - 130*
4-Bromofluorobenzene	*98*		*70 - 130*
Dibromofluoromethane	*101*		*70 - 130*

Lab Sample ID: 660-44259-2 DU
Matrix: Water
Analysis Batch: 116792

Client Sample ID: Mid-Process
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Acetone	20		24.4		ug/L		20	30
Benzene	0.50	U	0.50	U	ug/L		NC	30
Bromobenzene	0.58	U	0.58	U	ug/L		NC	30
Chlorobromomethane	0.58	U	0.58	U	ug/L		NC	30
Dichlorobromomethane	0.35	U	0.35	U	ug/L		NC	30
Bromoform	0.58	U	0.58	U	ug/L		NC	30
Bromomethane	2.5	U	2.5	U	ug/L		NC	30
n-Butylbenzene	0.67	U	0.67	U	ug/L		NC	30
sec-Butylbenzene	0.63	U	0.63	U	ug/L		NC	30
tert-Butylbenzene	0.84	U	0.84	U	ug/L		NC	30
Carbon tetrachloride	0.42	U	0.42	U	ug/L		NC	30
Chlorobenzene	0.63	U	0.63	U	ug/L		NC	30
Chloroethane	2.5	U	2.5	U	ug/L		NC	30
Chloroform	0.90	U	0.90	U	ug/L		NC	30
Chloromethane	1.0	U	1.0	U	ug/L		NC	30
2-Chlorotoluene	0.65	U	0.65	U	ug/L		NC	30
4-Chlorotoluene	0.52	U	0.52	U	ug/L		NC	30
Chlorodibromomethane	0.34	U	0.34	U	ug/L		NC	30
1,2-Dibromo-3-Chloropropane	2.5	U	2.5	U	ug/L		NC	30
Ethylene Dibromide	0.50	U	0.50	U	ug/L		NC	30
Dibromomethane	0.41	U	0.41	U	ug/L		NC	30
1,2-Dichlorobenzene	0.44	U	0.44	U	ug/L		NC	30
1,3-Dichlorobenzene	0.64	U	0.64	U	ug/L		NC	30

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

Lab Sample ID: 660-44259-2 DU
Matrix: Water
Analysis Batch: 116792

Client Sample ID: Mid-Process
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
1,4-Dichlorobenzene	0.52	U		0.52	U	ug/L				NC	30
Dichlorodifluoromethane	2.5	U		2.5	U	ug/L				NC	30
1,1-Dichloroethane	16			18.2		ug/L				13	30
1,2-Dichloroethane	0.57	U		0.57	U	ug/L				NC	30
1,1,1,2-Tetrachloroethane	0.63	U		0.63	U	ug/L				NC	30
1,1-Dichloroethene	0.45	U		0.45	U	ug/L				NC	30
cis-1,2-Dichloroethene	0.65	U		0.65	U	ug/L				NC	30
trans-1,2-Dichloroethene	0.44	U		0.44	U	ug/L				NC	30
1,2-Dichloropropane	0.52	U		0.52	U	ug/L				NC	30
1,3-Dichloropropane	0.39	U		0.39	U	ug/L				NC	30
2,2-Dichloropropane	0.36	U		0.36	U	ug/L				NC	30
1,1-Dichloropropene	0.31	U		0.31	U	ug/L				NC	30
cis-1,3-Dichloropropene	0.14	U		0.14	U	ug/L				NC	30
trans-1,3-Dichloropropene	0.14	U		0.14	U	ug/L				NC	30
Ethylbenzene	0.44	U		0.44	U	ug/L				NC	30
Hexachlorobutadiene	0.40	U		0.40	U	ug/L				NC	30
Isopropylbenzene	0.19	U		0.19	U	ug/L				NC	30
4-Isopropyltoluene	0.69	U		0.69	U	ug/L				NC	30
Methylene Chloride	4.0	U		4.0	U	ug/L				NC	30
Naphthalene	2.5	U		2.5	U	ug/L				NC	30
N-Propylbenzene	0.59	U		0.59	U	ug/L				NC	30
Styrene	0.98	U		0.98	U	ug/L				NC	30
1,1,2,2-Tetrachloroethane	0.15	U		0.15	U	ug/L				NC	30
Tetrachloroethene	0.50	U		0.50	U	ug/L				NC	30
Toluene	1.0	U		1.0	U	ug/L				NC	30
1,2,3-Trichlorobenzene	0.77	U		0.77	U	ug/L				NC	30
1,2,4-Trichlorobenzene	0.58	U		0.58	U	ug/L				NC	30
1,1,1-Trichloroethane	0.46	U		0.46	U	ug/L				NC	30
1,1,2-Trichloroethane	0.47	U		0.47	U	ug/L				NC	30
Trichloroethene	0.50	U		0.50	U	ug/L				NC	30
Trichlorofluoromethane	2.5	U		2.5	U	ug/L				NC	30
1,2,3-Trichloropropane	0.18	U		0.18	U	ug/L				NC	30
1,2,4-Trimethylbenzene	0.86	U		0.86	U	ug/L				NC	30
1,3,5-Trimethylbenzene	0.54	U		0.54	U	ug/L				NC	30
Vinyl chloride	0.50	U		0.50	U	ug/L				NC	30
o-Xylene	0.50	U		0.50	U	ug/L				NC	30
2-Butanone (MEK)	8.4	U		8.4	U	ug/L				NC	30
4-Methyl-2-pentanone (MIBK)	3.8	U		3.8	U	ug/L				NC	30
Carbon disulfide	1.0	U		1.0	U	ug/L				NC	30
2-Hexanone	4.4	U		4.4	U	ug/L				NC	30
Methyl tert-butyl ether	0.44	U		0.44	U	ug/L				NC	30
m-Xylene & p-Xylene	0.60	U		0.60	U	ug/L				NC	30

Surrogate	*DU % Recovery*	*DU Qualifier*	*Limits*
Toluene-d8 (Surr)	*107*		*70 - 130*
4-Bromofluorobenzene	*98*		*70 - 130*
Dibromofluoromethane	*110*		*70 - 130*

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44259-1

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Lab Sample ID: MB 660-116748/7 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 116748

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			10/26/11 10:04	1

Lab Sample ID: LCS 660-116748/4 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 116748

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits		
1,4-Dioxane			25.0	21.1		ug/L		84	50 - 150		

Lab Sample ID: 660-44259-1 MS — **Client Sample ID: Primary GAC Effluent**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 116748

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits		
1,4-Dioxane	1.0	U	25.0	23.0		ug/L		92	50 - 150		

Lab Sample ID: 660-44259-1 MSD — **Client Sample ID: Primary GAC Effluent**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 116748

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
1,4-Dioxane	1.0	U	25.0	21.5		ug/L		86	50 - 150	7	50

QC Association Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44259-1

GC/MS VOA

Analysis Batch: 116748

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-44259-1	Primary GAC Effluent	Total/NA	Water	8260C _SIM/ID	
660-44259-1 MS	Primary GAC Effluent	Total/NA	Water	8260C _SIM/ID	
660-44259-1 MSD	Primary GAC Effluent	Total/NA	Water	8260C _SIM/ID	
660-44259-2	Mid-Process	Total/NA	Water	8260C _SIM/ID	
LCS 660-116748/4	Lab Control Sample	Total/NA	Water	8260C _SIM/ID	
MB 660-116748/7	Method Blank	Total/NA	Water	8260C _SIM/ID	

Analysis Batch: 116792

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-44259-1	Primary GAC Effluent	Total/NA	Water	8260B	
660-44259-1 MS	Primary GAC Effluent	Total/NA	Water	8260B	
660-44259-2	Mid-Process	Total/NA	Water	8260B	
660-44259-2 DU	Mid-Process	Total/NA	Water	8260B	
LCS 660-116792/3	Lab Control Sample	Total/NA	Water	8260B	
MB 660-116792/5	Method Blank	Total/NA	Water	8260B	

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44259-1

Client Sample ID: Primary GAC Effluent

Lab Sample ID: 660-44259-1

Date Collected: 10/25/11 08:30

Matrix: Water

Date Received: 10/25/11 13:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C _SIM/ID		1	116748	10/26/11 11:10	AP	TAL TAM
Total/NA	Analysis	8260B		1	116792	10/27/11 09:16	EC	TAL TAM

Client Sample ID: Mid-Process

Lab Sample ID: 660-44259-2

Date Collected: 10/25/11 08:35

Matrix: Water

Date Received: 10/25/11 13:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C _SIM/ID		1	116748	10/26/11 12:40	AP	TAL TAM
Total/NA	Analysis	8260B		1	116792	10/27/11 09:36	EC	TAL TAM

Laboratory References:

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Certification Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44259-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Tampa	Alabama	State Program	4	40610
TestAmerica Tampa	Florida	NELAC	4	E84282
TestAmerica Tampa	Georgia	State Program	4	905
TestAmerica Tampa	USDA	USDA		P330-11-00177

Accreditation may not be offered or required for all methods and analytes reported in this package . Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44259-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL TAM
8260C _SIM/ID	1,4-Dioxane by SIM/Isotopic Dilution	SW846	TAL TAM

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44259-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
660-44259-1	Primary GAC Effluent	Water	10/25/11 08:30	10/25/11 13:45
660-44259-2	Mid-Process	Water	10/25/11 08:35	10/25/11 13:45

Serial Number 018040

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

660-44259

TestAmerica Tampa
6712 Benjamin Road, Suite 100
Tampa, FL 33634
Website: www.testamericainc.com
Phone: (813) 885-7427
Fax: (813) 885-7049

Alternate Laboratory Name/Location
Phone:
Fax:

PROJECT REFERENCE: Tallevast Curbon OM	PROJECT NO.: —	PROJECT LOCATION (STATE): FL	PAGE 1 OF 1
SAMPLER'S SIGNATURE: [signature]	P.O. NUMBER: 38055.0038.00009	CONTRACT NO.: —	STANDARD REPORT DELIVERY ○
CLIENT (SITE) PM: Don Sauda	CLIENT PHONE: 8137484874	CLIENT FAX: —	DATE DUE:
CLIENT NAME: Arcadis	CLIENT E-MAIL: donald.sauda@arcadis-us.com		EXPEDITED REPORT DELIVERY (SURCHARGE) ☒ DATE DUE: 48hrs
CLIENT ADDRESS: 1600 Tallevast Rd Sarasota, FL 34243			
COMPANY CONTRACTING THIS WORK (if applicable): LMC			NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

MATRIX TYPE (COMPOSITE (C) OR GRAB (G) INDICATE): AQUEOUS (WATER), SOLID OR SEMISOLID, AIR, NONAQUEOUS LIQUID (OIL, SOLVENT...)

REQUIRED ANALYSIS: 8260 B/C Sim 1P; HCL PRESERVATIVE

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G)	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT...)	8260 B/C Sim 1P	HCL PRESERVATIVE	REMARKS
10-25-11	0830	Primary GAC effluent	G	X				4		inf flow = 21.5
10-25-11	0835	Mid-Process	G	X				4		sys flow = 24
										inf pH = 2.8
										eff pH = 6.6

NUMBER OF CONTAINERS SUBMITTED

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS			[signature]	10-25-11	1345			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
EMPTY CONTAINERS [signature]	10-24-11	0900	[signature]	10-25-11	1345			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	TAMPA LOG NO.	COOLER TEMP. UPON RECEIPT	LABORATORY REMARKS
			YES ○ NO ○			3.7°C CU07	

TAL8240-660 (0209)

10/27/2011

R625-EDC-002289-0

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 660-44259-1

Login Number: 44259
List Number: 1
Creator: Redding, Charles S

List Source: TestAmerica Tampa

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	3.7 degrees C Cu-07
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Tampa
6712 Benjamin Road
Suite 100
Tampa, FL 33634
Tel: (813)885-7427

TestAmerica Job ID: 660-44388-1
Client Project/Site: Tallevast Carbon OM

For:
ARCADIS U.S. Inc
6723 Towpath Road
PO BOX 66
Syracuse, New York 13214

Attn: Donald Sauda

Authorized for release by:
11/03/2011 08:16:13 AM

Tina Fritz
Project Manager II
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LINKS

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Results relate only to the items tested and the sample(s) as received by the laboratory. The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

R625-EDC-002289-0

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Definitions/Glossary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44388-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates that the compound was analyzed for but not detected.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44388-1

Client Sample ID: Primary GAC Effluent 1112011 — Lab Sample ID: 660-44388-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.3		1.0	0.52	ug/L	1		8260B	Total/NA

Client Sample ID: Mid Process 1112011 — Lab Sample ID: 660-44388-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	15	I	20	9.9	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	13		1.0	0.52	ug/L	1		8260B	Total/NA

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44388-1

Client Sample ID: Primary GAC Effluent 1112011

Lab Sample ID: 660-44388-1

Date Collected: 11/01/11 09:00
Matrix: Water
Date Received: 11/01/11 10:40

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			11/01/11 17:18	1
Benzene	0.50	U	1.0	0.50	ug/L			11/01/11 17:18	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			11/01/11 17:18	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			11/01/11 17:18	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			11/01/11 17:18	1
Bromoform	0.58	U	1.0	0.58	ug/L			11/01/11 17:18	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/01/11 17:18	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			11/01/11 17:18	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			11/01/11 17:18	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			11/01/11 17:18	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			11/01/11 17:18	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			11/01/11 17:18	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/01/11 17:18	1
Chloroform	0.90	U	1.0	0.90	ug/L			11/01/11 17:18	1
Chloromethane	1.0	U	4.0	1.0	ug/L			11/01/11 17:18	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			11/01/11 17:18	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			11/01/11 17:18	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			11/01/11 17:18	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			11/01/11 17:18	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			11/01/11 17:18	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			11/01/11 17:18	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			11/01/11 17:18	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			11/01/11 17:18	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			11/01/11 17:18	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			11/01/11 17:18	1
1,1-Dichloroethane	**1.3**		1.0	0.52	ug/L			11/01/11 17:18	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			11/01/11 17:18	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			11/01/11 17:18	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			11/01/11 17:18	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			11/01/11 17:18	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			11/01/11 17:18	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			11/01/11 17:18	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			11/01/11 17:18	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			11/01/11 17:18	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			11/01/11 17:18	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			11/01/11 17:18	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			11/01/11 17:18	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			11/01/11 17:18	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			11/01/11 17:18	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			11/01/11 17:18	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			11/01/11 17:18	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			11/01/11 17:18	1
Naphthalene	2.5	U	5.0	2.5	ug/L			11/01/11 17:18	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			11/01/11 17:18	1
Styrene	0.98	U	2.0	0.98	ug/L			11/01/11 17:18	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			11/01/11 17:18	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			11/01/11 17:18	1
Toluene	1.0	U	1.0	1.0	ug/L			11/01/11 17:18	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			11/01/11 17:18	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			11/01/11 17:18	1

Client Sample ID: Primary GAC Effluent 1112011

Lab Sample ID: 660-44388-1

Date Collected: 11/01/11 09:00

Matrix: Water

Date Received: 11/01/11 10:40

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			11/01/11 17:18	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			11/01/11 17:18	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			11/01/11 17:18	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			11/01/11 17:18	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			11/01/11 17:18	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			11/01/11 17:18	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			11/01/11 17:18	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/01/11 17:18	1
o-Xylene	0.50	U	1.0	0.50	ug/L			11/01/11 17:18	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			11/01/11 17:18	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			11/01/11 17:18	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/01/11 17:18	1
2-Hexanone	4.4	U	10	4.4	ug/L			11/01/11 17:18	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			11/01/11 17:18	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			11/01/11 17:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*70 - 130*		*11/01/11 17:18*	*1*
4-Bromofluorobenzene	*106*		*70 - 130*		*11/01/11 17:18*	*1*
Dibromofluoromethane	*103*		*70 - 130*		*11/01/11 17:18*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			11/01/11 17:10	1

Client Sample ID: Mid Process 1112011

Lab Sample ID: 660-44388-2

Date Collected: 11/01/11 09:10

Matrix: Water

Date Received: 11/01/11 10:40

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**15**	**I**	20	9.9	ug/L			11/01/11 17:52	1
Benzene	0.50	U	1.0	0.50	ug/L			11/01/11 17:52	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			11/01/11 17:52	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			11/01/11 17:52	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			11/01/11 17:52	1
Bromoform	0.58	U	1.0	0.58	ug/L			11/01/11 17:52	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/01/11 17:52	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			11/01/11 17:52	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			11/01/11 17:52	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			11/01/11 17:52	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			11/01/11 17:52	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			11/01/11 17:52	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/01/11 17:52	1
Chloroform	0.90	U	1.0	0.90	ug/L			11/01/11 17:52	1
Chloromethane	1.0	U	4.0	1.0	ug/L			11/01/11 17:52	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			11/01/11 17:52	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			11/01/11 17:52	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			11/01/11 17:52	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			11/01/11 17:52	1

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44388-1

Client Sample ID: Mid Process 1112011
Date Collected: 11/01/11 09:10
Date Received: 11/01/11 10:40

Lab Sample ID: 660-44388-2
Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			11/01/11 17:52	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			11/01/11 17:52	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			11/01/11 17:52	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			11/01/11 17:52	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			11/01/11 17:52	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			11/01/11 17:52	1
1,1-Dichloroethane	**13**		1.0	0.52	ug/L			11/01/11 17:52	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			11/01/11 17:52	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			11/01/11 17:52	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			11/01/11 17:52	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			11/01/11 17:52	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			11/01/11 17:52	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			11/01/11 17:52	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			11/01/11 17:52	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			11/01/11 17:52	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			11/01/11 17:52	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			11/01/11 17:52	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			11/01/11 17:52	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			11/01/11 17:52	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			11/01/11 17:52	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			11/01/11 17:52	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			11/01/11 17:52	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			11/01/11 17:52	1
Naphthalene	2.5	U	5.0	2.5	ug/L			11/01/11 17:52	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			11/01/11 17:52	1
Styrene	0.98	U	2.0	0.98	ug/L			11/01/11 17:52	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			11/01/11 17:52	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			11/01/11 17:52	1
Toluene	1.0	U	1.0	1.0	ug/L			11/01/11 17:52	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			11/01/11 17:52	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			11/01/11 17:52	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			11/01/11 17:52	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			11/01/11 17:52	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			11/01/11 17:52	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			11/01/11 17:52	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			11/01/11 17:52	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			11/01/11 17:52	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			11/01/11 17:52	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/01/11 17:52	1
o-Xylene	0.50	U	1.0	0.50	ug/L			11/01/11 17:52	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			11/01/11 17:52	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			11/01/11 17:52	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/01/11 17:52	1
2-Hexanone	4.4	U	10	4.4	ug/L			11/01/11 17:52	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			11/01/11 17:52	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			11/01/11 17:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*70 - 130*		*11/01/11 17:52*	*1*
4-Bromofluorobenzene	*110*		*70 - 130*		*11/01/11 17:52*	*1*

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44388-1

Client Sample ID: Mid Process 1112011

Date Collected: 11/01/11 09:10
Date Received: 11/01/11 10:40

Lab Sample ID: 660-44388-2

Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*108*		*70 - 130*		*11/01/11 17:52*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			11/01/11 17:32	1

Surrogate Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44388-1

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)
660-44388-1	Primary GAC Effluent 1112011	99	106	103
660-44388-1 DU	Primary GAC Effluent 1112011	91	106	93
660-44388-2	Mid Process 1112011	96	110	108
660-44388-2 MS	Mid Process 1112011	88	105	97
LCS 660-116989/4	Lab Control Sample	89	107	96
MB 660-116989/6	Method Blank	97	103	100

Surrogate Legend

TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane

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

Lab Sample ID: MB 660-116989/6
Matrix: Water
Analysis Batch: 116989

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			11/01/11 16:30	1
Benzene	0.50	U	1.0	0.50	ug/L			11/01/11 16:30	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			11/01/11 16:30	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			11/01/11 16:30	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			11/01/11 16:30	1
Bromoform	0.58	U	1.0	0.58	ug/L			11/01/11 16:30	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/01/11 16:30	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			11/01/11 16:30	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			11/01/11 16:30	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			11/01/11 16:30	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			11/01/11 16:30	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			11/01/11 16:30	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/01/11 16:30	1
Chloroform	0.90	U	1.0	0.90	ug/L			11/01/11 16:30	1
Chloromethane	1.0	U	4.0	1.0	ug/L			11/01/11 16:30	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			11/01/11 16:30	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			11/01/11 16:30	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			11/01/11 16:30	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			11/01/11 16:30	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			11/01/11 16:30	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			11/01/11 16:30	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			11/01/11 16:30	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			11/01/11 16:30	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			11/01/11 16:30	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			11/01/11 16:30	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			11/01/11 16:30	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			11/01/11 16:30	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			11/01/11 16:30	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			11/01/11 16:30	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			11/01/11 16:30	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			11/01/11 16:30	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			11/01/11 16:30	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			11/01/11 16:30	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			11/01/11 16:30	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			11/01/11 16:30	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			11/01/11 16:30	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			11/01/11 16:30	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			11/01/11 16:30	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			11/01/11 16:30	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			11/01/11 16:30	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			11/01/11 16:30	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			11/01/11 16:30	1
Naphthalene	2.5	U	5.0	2.5	ug/L			11/01/11 16:30	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			11/01/11 16:30	1
Styrene	0.98	U	2.0	0.98	ug/L			11/01/11 16:30	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			11/01/11 16:30	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			11/01/11 16:30	1
Toluene	1.0	U	1.0	1.0	ug/L			11/01/11 16:30	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			11/01/11 16:30	1

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

Lab Sample ID: MB 660-116989/6
Matrix: Water
Analysis Batch: 116989

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			11/01/11 16:30	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			11/01/11 16:30	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			11/01/11 16:30	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			11/01/11 16:30	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			11/01/11 16:30	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			11/01/11 16:30	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			11/01/11 16:30	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			11/01/11 16:30	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/01/11 16:30	1
o-Xylene	0.50	U	1.0	0.50	ug/L			11/01/11 16:30	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			11/01/11 16:30	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			11/01/11 16:30	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/01/11 16:30	1
2-Hexanone	4.4	U	10	4.4	ug/L			11/01/11 16:30	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			11/01/11 16:30	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			11/01/11 16:30	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*70 - 130*		*11/01/11 16:30*	*1*
4-Bromofluorobenzene	*103*		*70 - 130*		*11/01/11 16:30*	*1*
Dibromofluoromethane	*100*		*70 - 130*		*11/01/11 16:30*	*1*

Lab Sample ID: LCS 660-116989/4
Matrix: Water
Analysis Batch: 116989

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	% Rec. Limits
Acetone	40.0	42.4		ug/L		106	62 - 142
Benzene	20.0	21.9		ug/L		110	68 - 134
Bromobenzene	20.0	20.3		ug/L		101	70 - 130
Chlorobromomethane	20.0	19.1		ug/L		96	70 - 130
Dichlorobromomethane	20.0	19.5		ug/L		98	70 - 130
Bromoform	20.0	20.9		ug/L		104	65 - 130
Bromomethane	20.0	16.6		ug/L		83	22 - 150
n-Butylbenzene	20.0	20.5		ug/L		102	61 - 131
sec-Butylbenzene	20.0	20.4		ug/L		102	68 - 133
tert-Butylbenzene	20.0	20.5		ug/L		102	64 - 130
Carbon tetrachloride	20.0	18.4		ug/L		92	61 - 134
Chlorobenzene	20.0	21.0		ug/L		105	70 - 130
Chloroethane	20.0	20.2		ug/L		101	39 - 150
Chloroform	20.0	20.2		ug/L		101	68 - 130
Chloromethane	20.0	17.9		ug/L		90	35 - 150
2-Chlorotoluene	20.0	19.6		ug/L		98	70 - 130
4-Chlorotoluene	20.0	20.2		ug/L		101	70 - 130
Chlorodibromomethane	20.0	19.9		ug/L		100	70 - 130
1,2-Dibromo-3-Chloropropane	20.0	16.0		ug/L		80	63 - 130
Ethylene Dibromide	20.0	20.5		ug/L		103	66 - 130
Dibromomethane	20.0	18.8		ug/L		94	70 - 130
1,2-Dichlorobenzene	20.0	20.9		ug/L		105	70 - 130

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

Lab Sample ID: LCS 660-116989/4
Matrix: Water
Analysis Batch: 116989

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	% Rec. Limits
1,3-Dichlorobenzene	20.0	20.9		ug/L		105	70 - 130
1,4-Dichlorobenzene	20.0	19.0		ug/L		95	70 - 130
Dichlorodifluoromethane	20.0	14.5		ug/L		72	16 - 149
1,1-Dichloroethane	20.0	20.8		ug/L		104	66 - 130
1,2-Dichloroethane	20.0	21.0		ug/L		105	70 - 130
1,1,1,2-Tetrachloroethane	20.0	21.0		ug/L		105	70 - 130
1,1-Dichloroethene	20.0	17.2		ug/L		86	51 - 150
cis-1,2-Dichloroethene	20.0	21.4		ug/L		107	66 - 130
trans-1,2-Dichloroethene	20.0	21.2		ug/L		106	62 - 139
1,2-Dichloropropane	20.0	19.7		ug/L		99	70 - 130
1,3-Dichloropropane	20.0	19.5		ug/L		97	70 - 130
2,2-Dichloropropane	20.0	19.0		ug/L		95	66 - 134
1,1-Dichloropropene	20.0	22.0		ug/L		110	65 - 136
cis-1,3-Dichloropropene	20.0	19.7		ug/L		98	70 - 130
trans-1,3-Dichloropropene	20.0	18.8		ug/L		94	67 - 130
Ethylbenzene	20.0	22.2		ug/L		111	70 - 130
Hexachlorobutadiene	20.0	19.0		ug/L		95	62 - 143
Isopropylbenzene	20.0	21.9		ug/L		110	62 - 130
4-Isopropyltoluene	20.0	20.6		ug/L		103	65 - 134
Methylene Chloride	20.0	18.3		ug/L		91	57 - 130
Naphthalene	20.0	14.9		ug/L		75	50 - 136
N-Propylbenzene	20.0	19.9		ug/L		99	67 - 130
Styrene	20.0	19.4		ug/L		97	68 - 131
1,1,2,2-Tetrachloroethane	20.0	18.1		ug/L		91	70 - 130
Tetrachloroethene	20.0	18.7		ug/L		94	50 - 143
Toluene	20.0	19.9		ug/L		100	70 - 131
1,2,3-Trichlorobenzene	20.0	16.9		ug/L		84	58 - 132
1,2,4-Trichlorobenzene	20.0	18.2		ug/L		91	66 - 130
1,1,1-Trichloroethane	20.0	18.2		ug/L		91	63 - 132
1,1,2-Trichloroethane	20.0	18.9		ug/L		94	70 - 130
Trichloroethene	20.0	21.9		ug/L		110	63 - 139
Trichlorofluoromethane	20.0	17.1		ug/L		86	62 - 146
1,2,3-Trichloropropane	20.0	19.1		ug/L		96	66 - 130
1,2,4-Trimethylbenzene	20.0	21.2		ug/L		106	70 - 132
1,3,5-Trimethylbenzene	20.0	20.7		ug/L		103	65 - 134
Vinyl chloride	20.0	16.8		ug/L		84	48 - 147
o-Xylene	20.0	21.4		ug/L		107	69 - 130
2-Butanone (MEK)	40.0	36.6		ug/L		92	63 - 140
4-Methyl-2-pentanone (MIBK)	40.0	35.7		ug/L		89	64 - 137
Carbon disulfide	40.0	28.4		ug/L		71	30 - 150
2-Hexanone	40.0	34.2		ug/L		85	60 - 148
Methyl tert-butyl ether	40.0	38.0		ug/L		95	67 - 130

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*89*		*70 - 130*
4-Bromofluorobenzene	*107*		*70 - 130*
Dibromofluoromethane	*96*		*70 - 130*

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

Lab Sample ID: 660-44388-2 MS
Matrix: Water
Analysis Batch: 116989

Client Sample ID: Mid Process 1112011
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	% Rec. Limits
Acetone	15	I	40.0	55.0		ug/L		100	62 - 142
Benzene	0.50	U	20.0	22.3		ug/L		111	68 - 134
Bromobenzene	0.58	U	20.0	21.8		ug/L		109	70 - 130
Chlorobromomethane	0.58	U	20.0	23.3		ug/L		116	70 - 130
Dichlorobromomethane	0.35	U	20.0	20.4		ug/L		102	70 - 130
Bromoform	0.58	U	20.0	24.0		ug/L		120	65 - 130
Bromomethane	2.5	U	20.0	19.1		ug/L		95	22 - 150
n-Butylbenzene	0.67	U	20.0	20.0		ug/L		100	61 - 131
sec-Butylbenzene	0.63	U	20.0	19.9		ug/L		99	68 - 133
tert-Butylbenzene	0.84	U	20.0	19.4		ug/L		97	64 - 130
Carbon tetrachloride	0.42	U	20.0	19.0		ug/L		95	61 - 134
Chlorobenzene	0.63	U	20.0	22.2		ug/L		111	70 - 130
Chloroethane	2.5	U	20.0	17.6		ug/L		88	39 - 150
Chloroform	0.90	U	20.0	21.6		ug/L		108	68 - 130
Chloromethane	1.0	U	20.0	18.6		ug/L		93	35 - 150
2-Chlorotoluene	0.65	U	20.0	20.4		ug/L		102	70 - 130
4-Chlorotoluene	0.52	U	20.0	20.0		ug/L		100	70 - 130
Chlorodibromomethane	0.34	U	20.0	21.7		ug/L		108	70 - 130
1,2-Dibromo-3-Chloropropane	2.5	U	20.0	21.6		ug/L		108	63 - 130
Ethylene Dibromide	0.50	U	20.0	22.7		ug/L		113	66 - 130
Dibromomethane	0.41	U	20.0	23.3		ug/L		116	70 - 130
1,2-Dichlorobenzene	0.44	U	20.0	21.9		ug/L		110	70 - 130
1,3-Dichlorobenzene	0.64	U	20.0	21.3		ug/L		107	70 - 130
1,4-Dichlorobenzene	0.52	U	20.0	20.8		ug/L		104	70 - 130
Dichlorodifluoromethane	2.5	U	20.0	10.5		ug/L		52	16 - 149
1,1-Dichloroethane	13		20.0	32.2		ug/L		98	66 - 130
1,2-Dichloroethane	0.57	U	20.0	21.6		ug/L		108	70 - 130
1,1,1,2-Tetrachloroethane	0.63	U	20.0	21.9		ug/L		109	70 - 130
1,1-Dichloroethene	0.45	U	20.0	16.5		ug/L		82	51 - 150
cis-1,2-Dichloroethene	0.65	U	20.0	22.4		ug/L		112	66 - 130
trans-1,2-Dichloroethene	0.44	U	20.0	21.2		ug/L		106	62 - 139
1,2-Dichloropropane	0.52	U	20.0	23.1		ug/L		116	70 - 130
1,3-Dichloropropane	0.39	U	20.0	21.8		ug/L		109	70 - 130
2,2-Dichloropropane	0.36	U	20.0	19.7		ug/L		99	66 - 134
1,1-Dichloropropene	0.31	U	20.0	20.5		ug/L		103	65 - 136
cis-1,3-Dichloropropene	0.14	U	20.0	20.5		ug/L		103	70 - 130
trans-1,3-Dichloropropene	0.14	U	20.0	21.4		ug/L		107	67 - 130
Ethylbenzene	0.44	U	20.0	22.3		ug/L		111	70 - 130
Hexachlorobutadiene	0.40	U	20.0	16.7		ug/L		84	62 - 143
Isopropylbenzene	0.19	U	20.0	21.6		ug/L		108	62 - 130
4-Isopropyltoluene	0.69	U	20.0	20.8		ug/L		104	65 - 134
Methylene Chloride	4.0	U	20.0	21.0		ug/L		105	57 - 130
Naphthalene	2.5	U	20.0	18.2		ug/L		91	50 - 136
N-Propylbenzene	0.59	U	20.0	20.2		ug/L		101	67 - 130
Styrene	0.98	U	20.0	18.9		ug/L		95	68 - 131
1,1,2,2-Tetrachloroethane	0.15	U	20.0	21.2		ug/L		106	70 - 130
Tetrachloroethene	0.50	U	20.0	18.3		ug/L		92	50 - 143
Toluene	1.0	U	20.0	20.5		ug/L		102	70 - 131
1,2,3-Trichlorobenzene	0.77	U	20.0	19.8		ug/L		99	58 - 132

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

Lab Sample ID: 660-44388-2 MS
Matrix: Water
Analysis Batch: 116989

Client Sample ID: Mid Process 1112011
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	% Rec. Limits
1,2,4-Trichlorobenzene	0.58	U	20.0	19.4		ug/L		97	66 - 130
1,1,1-Trichloroethane	0.46	U	20.0	20.4		ug/L		102	63 - 132
1,1,2-Trichloroethane	0.47	U	20.0	21.2		ug/L		106	70 - 130
Trichloroethene	0.50	U	20.0	23.5		ug/L		118	63 - 139
Trichlorofluoromethane	2.5	U	20.0	20.5		ug/L		103	62 - 146
1,2,3-Trichloropropane	0.18	U	20.0	20.3		ug/L		101	66 - 130
1,2,4-Trimethylbenzene	0.86	U	20.0	20.9		ug/L		104	70 - 132
1,3,5-Trimethylbenzene	0.54	U	20.0	19.8		ug/L		99	65 - 134
Vinyl chloride	0.50	U	20.0	16.5		ug/L		82	48 - 147
o-Xylene	0.50	U	20.0	22.2		ug/L		111	69 - 130
2-Butanone (MEK)	8.4	U	40.0	49.8		ug/L		125	63 - 140
4-Methyl-2-pentanone (MIBK)	3.8	U	40.0	47.5		ug/L		119	64 - 137
Carbon disulfide	1.0	U	40.0	30.6		ug/L		76	30 - 150
2-Hexanone	4.4	U	40.0	39.4		ug/L		98	60 - 148
Methyl tert-butyl ether	0.44	U	40.0	39.7		ug/L		99	67 - 130

Surrogate	*MS % Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*88*		*70 - 130*
4-Bromofluorobenzene	*105*		*70 - 130*
Dibromofluoromethane	*97*		*70 - 130*

Lab Sample ID: 660-44388-1 DU
Matrix: Water
Analysis Batch: 116989

Client Sample ID: Primary GAC Effluent 1112011
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Acetone	9.9	U	9.9	U	ug/L		NC	30
Benzene	0.50	U	0.50	U	ug/L		NC	30
Bromobenzene	0.58	U	0.58	U	ug/L		NC	30
Chlorobromomethane	0.58	U	0.58	U	ug/L		NC	30
Dichlorobromomethane	0.35	U	0.35	U	ug/L		NC	30
Bromoform	0.58	U	0.58	U	ug/L		NC	30
Bromomethane	2.5	U	2.5	U	ug/L		NC	30
n-Butylbenzene	0.67	U	0.67	U	ug/L		NC	30
sec-Butylbenzene	0.63	U	0.63	U	ug/L		NC	30
tert-Butylbenzene	0.84	U	0.84	U	ug/L		NC	30
Carbon tetrachloride	0.42	U	0.42	U	ug/L		NC	30
Chlorobenzene	0.63	U	0.63	U	ug/L		NC	30
Chloroethane	2.5	U	2.5	U	ug/L		NC	30
Chloroform	0.90	U	0.90	U	ug/L		NC	30
Chloromethane	1.0	U	1.0	U	ug/L		NC	30
2-Chlorotoluene	0.65	U	0.65	U	ug/L		NC	30
4-Chlorotoluene	0.52	U	0.52	U	ug/L		NC	30
Chlorodibromomethane	0.34	U	0.34	U	ug/L		NC	30
1,2-Dibromo-3-Chloropropane	2.5	U	2.5	U	ug/L		NC	30
Ethylene Dibromide	0.50	U	0.50	U	ug/L		NC	30
Dibromomethane	0.41	U	0.41	U	ug/L		NC	30
1,2-Dichlorobenzene	0.44	U	0.44	U	ug/L		NC	30
1,3-Dichlorobenzene	0.64	U	0.64	U	ug/L		NC	30

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

Lab Sample ID: 660-44388-1 DU
Matrix: Water
Analysis Batch: 116989

Client Sample ID: Primary GAC Effluent 1112011
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
1,4-Dichlorobenzene	0.52	U		0.52	U	ug/L				NC	30
Dichlorodifluoromethane	2.5	U		2.5	U	ug/L				NC	30
1,1-Dichloroethane	1.3			1.33		ug/L				0.7	30
1,2-Dichloroethane	0.57	U		0.57	U	ug/L				NC	30
1,1,1,2-Tetrachloroethane	0.63	U		0.63	U	ug/L				NC	30
1,1-Dichloroethene	0.45	U		0.45	U	ug/L				NC	30
cis-1,2-Dichloroethene	0.65	U		0.65	U	ug/L				NC	30
trans-1,2-Dichloroethene	0.44	U		0.44	U	ug/L				NC	30
1,2-Dichloropropane	0.52	U		0.52	U	ug/L				NC	30
1,3-Dichloropropane	0.39	U		0.39	U	ug/L				NC	30
2,2-Dichloropropane	0.36	U		0.36	U	ug/L				NC	30
1,1-Dichloropropene	0.31	U		0.31	U	ug/L				NC	30
cis-1,3-Dichloropropene	0.14	U		0.14	U	ug/L				NC	30
trans-1,3-Dichloropropene	0.14	U		0.14	U	ug/L				NC	30
Ethylbenzene	0.44	U		0.44	U	ug/L				NC	30
Hexachlorobutadiene	0.40	U		0.40	U	ug/L				NC	30
Isopropylbenzene	0.19	U		0.19	U	ug/L				NC	30
4-Isopropyltoluene	0.69	U		0.69	U	ug/L				NC	30
Methylene Chloride	4.0	U		4.0	U	ug/L				NC	30
Naphthalene	2.5	U		2.5	U	ug/L				NC	30
N-Propylbenzene	0.59	U		0.59	U	ug/L				NC	30
Styrene	0.98	U		0.98	U	ug/L				NC	30
1,1,2,2-Tetrachloroethane	0.15	U		0.15	U	ug/L				NC	30
Tetrachloroethene	0.50	U		0.50	U	ug/L				NC	30
Toluene	1.0	U		1.0	U	ug/L				NC	30
1,2,3-Trichlorobenzene	0.77	U		0.77	U	ug/L				NC	30
1,2,4-Trichlorobenzene	0.58	U		0.58	U	ug/L				NC	30
1,1,1-Trichloroethane	0.46	U		0.46	U	ug/L				NC	30
1,1,2-Trichloroethane	0.47	U		0.47	U	ug/L				NC	30
Trichloroethene	0.50	U		0.50	U	ug/L				NC	30
Trichlorofluoromethane	2.5	U		2.5	U	ug/L				NC	30
1,2,3-Trichloropropane	0.18	U		0.18	U	ug/L				NC	30
1,2,4-Trimethylbenzene	0.86	U		0.86	U	ug/L				NC	30
1,3,5-Trimethylbenzene	0.54	U		0.54	U	ug/L				NC	30
Vinyl chloride	0.50	U		0.50	U	ug/L				NC	30
o-Xylene	0.50	U		0.50	U	ug/L				NC	30
2-Butanone (MEK)	8.4	U		8.4	U	ug/L				NC	30
4-Methyl-2-pentanone (MIBK)	3.8	U		3.8	U	ug/L				NC	30
Carbon disulfide	1.0	U		1.0	U	ug/L				NC	30
2-Hexanone	4.4	U		4.4	U	ug/L				NC	30
Methyl tert-butyl ether	0.44	U		0.44	U	ug/L				NC	30
m-Xylene & p-Xylene	0.60	U		0.60	U	ug/L				NC	30

Surrogate	*DU % Recovery*	*DU Qualifier*	*Limits*
Toluene-d8 (Surr)	*91*		*70 - 130*
4-Bromofluorobenzene	*106*		*70 - 130*
Dibromofluoromethane	*93*		*70 - 130*

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44388-1

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Lab Sample ID: MB 660-116951/7 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 116951

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			11/01/11 10:03	1

Lab Sample ID: LCS 660-116951/4 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 116951

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	% Rec. Limits
1,4-Dioxane	25.0	24.8		ug/L		99	50 - 150

Lab Sample ID: 660-44361-D-6 MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 116951

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	% Rec. Limits
1,4-Dioxane	1.0	U	25.0	23.2		ug/L		93	50 - 150

Lab Sample ID: 660-44361-D-6 MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 116951

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	% Rec. Limits	RPD	RPD Limit
1,4-Dioxane	1.0	U	25.0	22.5		ug/L		90	50 - 150	3	50

QC Association Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44388-1

GC/MS VOA

Analysis Batch: 116951

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-44361-D-6 MS	Matrix Spike	Total/NA	Water	8260C _SIM/ID	
660-44361-D-6 MSD	Matrix Spike Duplicate	Total/NA	Water	8260C _SIM/ID	
660-44388-1	Primary GAC Effluent 1112011	Total/NA	Water	8260C _SIM/ID	
660-44388-2	Mid Process 1112011	Total/NA	Water	8260C _SIM/ID	
LCS 660-116951/4	Lab Control Sample	Total/NA	Water	8260C _SIM/ID	
MB 660-116951/7	Method Blank	Total/NA	Water	8260C _SIM/ID	

Analysis Batch: 116989

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-44388-1	Primary GAC Effluent 1112011	Total/NA	Water	8260B	
660-44388-1 DU	Primary GAC Effluent 1112011	Total/NA	Water	8260B	
660-44388-2	Mid Process 1112011	Total/NA	Water	8260B	
660-44388-2 MS	Mid Process 1112011	Total/NA	Water	8260B	
LCS 660-116989/4	Lab Control Sample	Total/NA	Water	8260B	
MB 660-116989/6	Method Blank	Total/NA	Water	8260B	

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44388-1

Client Sample ID: Primary GAC Effluent 1112011

Lab Sample ID: 660-44388-1

Date Collected: 11/01/11 09:00

Matrix: Water

Date Received: 11/01/11 10:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C _SIM/ID		1	116951	11/01/11 17:10	AP	TAL TAM
Total/NA	Analysis	8260B		1	116989	11/01/11 17:18	RM	TAL TAM

Client Sample ID: Mid Process 1112011

Lab Sample ID: 660-44388-2

Date Collected: 11/01/11 09:10

Matrix: Water

Date Received: 11/01/11 10:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C _SIM/ID		1	116951	11/01/11 17:32	AP	TAL TAM
Total/NA	Analysis	8260B		1	116989	11/01/11 17:52	RM	TAL TAM

Laboratory References:

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Certification Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44388-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Tampa	Alabama	State Program	4	40610
TestAmerica Tampa	Florida	NELAC	4	E84282
TestAmerica Tampa	Georgia	State Program	4	905
TestAmerica Tampa	USDA	USDA		P330-11-00177

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44388-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL TAM
8260C _SIM/ID	1,4-Dioxane by SIM/Isotopic Dilution	SW846	TAL TAM

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44388-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
660-44388-1	Primary GAC Effluent 1112011	Water	11/01/11 09:00	11/01/11 10:40
660-44388-2	Mid Process 1112011	Water	11/01/11 09:10	11/01/11 10:40

Serial Number 018041

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

660-44388

TestAmerica Tampa
6712 Benjamin Road, Suite 100
Tampa, FL 33634
Website: www.testamericainc.com
Phone: (813) 885-7427
Fax: (813) 885-7049

Alternate Laboratory Name/Location
Phone:
Fax:

11/03/2011

PROJECT REFERENCE: Tallevast Carbon OM	PROJECT NO.: —	PROJECT LOCATION (STATE): FL	PAGE 1 OF 1
SAMPLER'S SIGNATURE	P.O. NUMBER: 38055.0038.00009	CONTRACT NO.: —	STANDARD REPORT DELIVERY ○
CLIENT (SITE) PM: Don Sauda	CLIENT PHONE	CLIENT FAX: —	DATE DUE
CLIENT NAME: Arcadis	CLIENT E-MAIL: donald.sauda@arcadis-us.com		EXPEDITED REPORT DELIVERY (SURCHARGE) ⊘
CLIENT ADDRESS: 1600 Tallevast Rd Sarasota, FL 34243			DATE DUE: 48 hrs
COMPANY CONTRACTING THIS WORK (if applicable): LMC			NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

REQUIRED ANALYSIS: 8260 B/C SIM 1,4D

PRESERVATIVE: HCL

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT...)	NUMBER OF CONTAINERS SUBMITTED	REMARKS
11-1-11	0900	Primary GAC effluent	G	X				4	inf flow = 21.8
11-1-11	0910	Mid Process	G	X				4	sys flow = 21
									inf pH = 2.8
									eff pH = 5.5

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS				11/1/11	935			
RECEIVED BY: (SIGNATURE) EMPTY CONTAINERS	DATE 10-25-11	TIME 0900	RECEIVED BY: (SIGNATURE)	DATE 11-1-11	TIME 1040	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	TAMPA LOG NO.	COOLER TEMP UPON RECEIPT	LABORATORY REMARKS
			YES ○ NO ○			2.8 C. Cwo 7	

TAL8240-660 (0209)

R625-EDC-002289-0

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 660-44388-1

Login Number: 44388
List Number: 1
Creator: Redding, Charles S

List Source: TestAmerica Tampa

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	2.8 degrees C Cu-07
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Tampa
6712 Benjamin Road
Suite 100
Tampa, FL 33634
Tel: (813)885-7427

TestAmerica Job ID: 660-44552-1
Client Project/Site: Tallevast Carbon OM

For:
ARCADIS U.S. Inc
6723 Towpath Road
PO BOX 66
Syracuse, New York 13214

Attn: Donald Sauda

Authorized for release by:
11/10/2011 4:15:59 PM
Nancy Robertson
Project Manager II
nancy.robertson@testamericainc.com

Designee for

Tina Fritz
Project Manager II
tina.fritz@testamericainc.com

LINKS

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates that the compound was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 660-44552-1

Laboratory: TestAmerica Tampa

Narrative

Job Narrative
660-44552-1

Comments
No additional comments.

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
No analytical or quality issues were noted.

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44552-1

Client Sample ID: Primary GAC Effluent 110811 — Lab Sample ID: 660-44552-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	3.1		1.0	0.52	ug/L	1		8260B	Total/NA

Client Sample ID: Mid Process 110811 — Lab Sample ID: 660-44552-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	11		1.0	0.52	ug/L	1		8260B	Total/NA

Client Sample ID: Primary GAC Effluent 110811
Date Collected: 11/08/11 09:00
Date Received: 11/08/11 13:00

Lab Sample ID: 660-44552-1
Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			11/09/11 17:39	1
Benzene	0.50	U	1.0	0.50	ug/L			11/09/11 17:39	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			11/09/11 17:39	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			11/09/11 17:39	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			11/09/11 17:39	1
Bromoform	0.58	U	1.0	0.58	ug/L			11/09/11 17:39	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/09/11 17:39	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			11/09/11 17:39	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			11/09/11 17:39	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			11/09/11 17:39	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			11/09/11 17:39	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			11/09/11 17:39	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/09/11 17:39	1
Chloroform	0.90	U	1.0	0.90	ug/L			11/09/11 17:39	1
Chloromethane	1.0	U	4.0	1.0	ug/L			11/09/11 17:39	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			11/09/11 17:39	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			11/09/11 17:39	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			11/09/11 17:39	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			11/09/11 17:39	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			11/09/11 17:39	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			11/09/11 17:39	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			11/09/11 17:39	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			11/09/11 17:39	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			11/09/11 17:39	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			11/09/11 17:39	1
1,1-Dichloroethane	**3.1**		1.0	0.52	ug/L			11/09/11 17:39	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			11/09/11 17:39	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			11/09/11 17:39	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			11/09/11 17:39	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			11/09/11 17:39	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			11/09/11 17:39	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			11/09/11 17:39	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			11/09/11 17:39	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			11/09/11 17:39	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			11/09/11 17:39	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			11/09/11 17:39	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			11/09/11 17:39	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			11/09/11 17:39	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			11/09/11 17:39	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			11/09/11 17:39	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			11/09/11 17:39	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			11/09/11 17:39	1
Naphthalene	2.5	U	5.0	2.5	ug/L			11/09/11 17:39	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			11/09/11 17:39	1
Styrene	0.98	U	2.0	0.98	ug/L			11/09/11 17:39	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			11/09/11 17:39	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			11/09/11 17:39	1
Toluene	1.0	U	1.0	1.0	ug/L			11/09/11 17:39	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			11/09/11 17:39	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			11/09/11 17:39	1

Client Sample ID: Primary GAC Effluent 110811

Lab Sample ID: 660-44552-1

Date Collected: 11/08/11 09:00

Matrix: Water

Date Received: 11/08/11 13:00

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			11/09/11 17:39	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			11/09/11 17:39	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			11/09/11 17:39	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			11/09/11 17:39	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			11/09/11 17:39	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			11/09/11 17:39	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			11/09/11 17:39	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/09/11 17:39	1
o-Xylene	0.50	U	1.0	0.50	ug/L			11/09/11 17:39	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			11/09/11 17:39	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			11/09/11 17:39	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/09/11 17:39	1
2-Hexanone	4.4	U	10	4.4	ug/L			11/09/11 17:39	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			11/09/11 17:39	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			11/09/11 17:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*70 - 130*		*11/09/11 17:39*	*1*
4-Bromofluorobenzene	*98*		*70 - 130*		*11/09/11 17:39*	*1*
Dibromofluoromethane	*105*		*70 - 130*		*11/09/11 17:39*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			11/09/11 10:46	1

Client Sample ID: Mid Process 110811

Lab Sample ID: 660-44552-2

Date Collected: 11/08/11 09:10

Matrix: Water

Date Received: 11/08/11 13:00

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			11/09/11 17:06	1
Benzene	0.50	U	1.0	0.50	ug/L			11/09/11 17:06	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			11/09/11 17:06	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			11/09/11 17:06	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			11/09/11 17:06	1
Bromoform	0.58	U	1.0	0.58	ug/L			11/09/11 17:06	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/09/11 17:06	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			11/09/11 17:06	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			11/09/11 17:06	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			11/09/11 17:06	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			11/09/11 17:06	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			11/09/11 17:06	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/09/11 17:06	1
Chloroform	0.90	U	1.0	0.90	ug/L			11/09/11 17:06	1
Chloromethane	1.0	U	4.0	1.0	ug/L			11/09/11 17:06	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			11/09/11 17:06	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			11/09/11 17:06	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			11/09/11 17:06	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			11/09/11 17:06	1

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44552-1

Client Sample ID: Mid Process 110811
Date Collected: 11/08/11 09:10
Date Received: 11/08/11 13:00

Lab Sample ID: 660-44552-2
Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			11/09/11 17:06	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			11/09/11 17:06	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			11/09/11 17:06	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			11/09/11 17:06	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			11/09/11 17:06	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			11/09/11 17:06	1
1,1-Dichloroethane	**11**		1.0	0.52	ug/L			11/09/11 17:06	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			11/09/11 17:06	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			11/09/11 17:06	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			11/09/11 17:06	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			11/09/11 17:06	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			11/09/11 17:06	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			11/09/11 17:06	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			11/09/11 17:06	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			11/09/11 17:06	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			11/09/11 17:06	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			11/09/11 17:06	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			11/09/11 17:06	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			11/09/11 17:06	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			11/09/11 17:06	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			11/09/11 17:06	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			11/09/11 17:06	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			11/09/11 17:06	1
Naphthalene	2.5	U	5.0	2.5	ug/L			11/09/11 17:06	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			11/09/11 17:06	1
Styrene	0.98	U	2.0	0.98	ug/L			11/09/11 17:06	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			11/09/11 17:06	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			11/09/11 17:06	1
Toluene	1.0	U	1.0	1.0	ug/L			11/09/11 17:06	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			11/09/11 17:06	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			11/09/11 17:06	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			11/09/11 17:06	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			11/09/11 17:06	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			11/09/11 17:06	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			11/09/11 17:06	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			11/09/11 17:06	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			11/09/11 17:06	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			11/09/11 17:06	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/09/11 17:06	1
o-Xylene	0.50	U	1.0	0.50	ug/L			11/09/11 17:06	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			11/09/11 17:06	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			11/09/11 17:06	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/09/11 17:06	1
2-Hexanone	4.4	U	10	4.4	ug/L			11/09/11 17:06	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			11/09/11 17:06	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			11/09/11 17:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*70 - 130*		*11/09/11 17:06*	*1*
4-Bromofluorobenzene	*102*		*70 - 130*		*11/09/11 17:06*	*1*

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44552-1

Client Sample ID: Mid Process 110811
Date Collected: 11/08/11 09:10
Date Received: 11/08/11 13:00

Lab Sample ID: 660-44552-2
Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*104*		*70 - 130*		*11/09/11 17:06*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			11/09/11 11:08	1

Surrogate Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44552-1

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)
660-44552-1	Primary GAC Effluent 110811	95	98	105
660-44552-1 MS	Primary GAC Effluent 110811	97	102	100
660-44552-2	Mid Process 110811	92	102	104
660-44552-2 DU	Mid Process 110811	97	97	105
LCS 660-117315/5	Lab Control Sample	97	100	98
MB 660-117315/7	Method Blank	97	100	103

Surrogate Legend

TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane

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

Lab Sample ID: MB 660-117315/7
Matrix: Water
Analysis Batch: 117315

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			11/09/11 16:32	1
Benzene	0.50	U	1.0	0.50	ug/L			11/09/11 16:32	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			11/09/11 16:32	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			11/09/11 16:32	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			11/09/11 16:32	1
Bromoform	0.58	U	1.0	0.58	ug/L			11/09/11 16:32	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/09/11 16:32	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			11/09/11 16:32	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			11/09/11 16:32	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			11/09/11 16:32	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			11/09/11 16:32	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			11/09/11 16:32	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/09/11 16:32	1
Chloroform	0.90	U	1.0	0.90	ug/L			11/09/11 16:32	1
Chloromethane	1.0	U	4.0	1.0	ug/L			11/09/11 16:32	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			11/09/11 16:32	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			11/09/11 16:32	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			11/09/11 16:32	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			11/09/11 16:32	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			11/09/11 16:32	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			11/09/11 16:32	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			11/09/11 16:32	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			11/09/11 16:32	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			11/09/11 16:32	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			11/09/11 16:32	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			11/09/11 16:32	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			11/09/11 16:32	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			11/09/11 16:32	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			11/09/11 16:32	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			11/09/11 16:32	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			11/09/11 16:32	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			11/09/11 16:32	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			11/09/11 16:32	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			11/09/11 16:32	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			11/09/11 16:32	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			11/09/11 16:32	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			11/09/11 16:32	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			11/09/11 16:32	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			11/09/11 16:32	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			11/09/11 16:32	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			11/09/11 16:32	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			11/09/11 16:32	1
Naphthalene	2.5	U	5.0	2.5	ug/L			11/09/11 16:32	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			11/09/11 16:32	1
Styrene	0.98	U	2.0	0.98	ug/L			11/09/11 16:32	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			11/09/11 16:32	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			11/09/11 16:32	1
Toluene	1.0	U	1.0	1.0	ug/L			11/09/11 16:32	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			11/09/11 16:32	1

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

Lab Sample ID: MB 660-117315/7
Matrix: Water
Analysis Batch: 117315

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			11/09/11 16:32	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			11/09/11 16:32	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			11/09/11 16:32	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			11/09/11 16:32	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			11/09/11 16:32	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			11/09/11 16:32	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			11/09/11 16:32	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			11/09/11 16:32	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/09/11 16:32	1
o-Xylene	0.50	U	1.0	0.50	ug/L			11/09/11 16:32	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			11/09/11 16:32	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			11/09/11 16:32	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/09/11 16:32	1
2-Hexanone	4.4	U	10	4.4	ug/L			11/09/11 16:32	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			11/09/11 16:32	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			11/09/11 16:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*70 - 130*		*11/09/11 16:32*	*1*
4-Bromofluorobenzene	*100*		*70 - 130*		*11/09/11 16:32*	*1*
Dibromofluoromethane	*103*		*70 - 130*		*11/09/11 16:32*	*1*

Lab Sample ID: LCS 660-117315/5
Matrix: Water
Analysis Batch: 117315

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	40.0	45.1		ug/L		113	62 - 142
Benzene	20.0	21.0		ug/L		105	68 - 134
Bromobenzene	20.0	21.9		ug/L		110	70 - 130
Chlorobromomethane	20.0	20.1		ug/L		100	70 - 130
Dichlorobromomethane	20.0	20.2		ug/L		101	70 - 130
Bromoform	20.0	20.2		ug/L		101	65 - 130
Bromomethane	20.0	25.5		ug/L		128	22 - 150
n-Butylbenzene	20.0	21.7		ug/L		109	61 - 131
sec-Butylbenzene	20.0	21.0		ug/L		105	68 - 133
tert-Butylbenzene	20.0	21.2		ug/L		106	64 - 130
Carbon tetrachloride	20.0	18.9		ug/L		94	61 - 134
Chlorobenzene	20.0	21.7		ug/L		108	70 - 130
Chloroethane	20.0	22.9		ug/L		115	39 - 150
Chloroform	20.0	20.5		ug/L		102	68 - 130
Chloromethane	20.0	18.2		ug/L		91	35 - 150
2-Chlorotoluene	20.0	20.9		ug/L		105	70 - 130
4-Chlorotoluene	20.0	21.8		ug/L		109	70 - 130
Chlorodibromomethane	20.0	19.3		ug/L		96	70 - 130
1,2-Dibromo-3-Chloropropane	20.0	18.6		ug/L		93	63 - 130
Ethylene Dibromide	20.0	20.4		ug/L		102	66 - 130
Dibromomethane	20.0	19.0		ug/L		95	70 - 130
1,2-Dichlorobenzene	20.0	20.8		ug/L		104	70 - 130

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

Lab Sample ID: LCS 660-117315/5
Matrix: Water
Analysis Batch: 117315

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3-Dichlorobenzene	20.0	21.6		ug/L		108	70 - 130
1,4-Dichlorobenzene	20.0	19.7		ug/L		98	70 - 130
Dichlorodifluoromethane	20.0	12.8		ug/L		64	16 - 149
1,1-Dichloroethane	20.0	20.5		ug/L		103	66 - 130
1,2-Dichloroethane	20.0	19.3		ug/L		96	70 - 130
1,1,1,2-Tetrachloroethane	20.0	20.4		ug/L		102	70 - 130
1,1-Dichloroethene	20.0	15.5		ug/L		77	51 - 150
cis-1,2-Dichloroethene	20.0	20.4		ug/L		102	66 - 130
trans-1,2-Dichloroethene	20.0	19.5		ug/L		97	62 - 139
1,2-Dichloropropane	20.0	20.7		ug/L		103	70 - 130
1,3-Dichloropropane	20.0	19.1		ug/L		96	70 - 130
2,2-Dichloropropane	20.0	17.9		ug/L		90	66 - 134
1,1-Dichloropropene	20.0	21.0		ug/L		105	65 - 136
cis-1,3-Dichloropropene	20.0	20.1		ug/L		100	70 - 130
trans-1,3-Dichloropropene	20.0	20.1		ug/L		101	67 - 130
Ethylbenzene	20.0	21.9		ug/L		110	70 - 130
Hexachlorobutadiene	20.0	19.8		ug/L		99	62 - 143
Isopropylbenzene	20.0	21.4		ug/L		107	62 - 130
4-Isopropyltoluene	20.0	22.3		ug/L		111	65 - 134
Methylene Chloride	20.0	14.8		ug/L		74	57 - 130
Naphthalene	20.0	16.8		ug/L		84	50 - 136
N-Propylbenzene	20.0	21.0		ug/L		105	67 - 130
Styrene	20.0	19.4		ug/L		97	68 - 131
1,1,2,2-Tetrachloroethane	20.0	18.9		ug/L		94	70 - 130
Tetrachloroethene	20.0	19.0		ug/L		95	50 - 143
Toluene	20.0	20.7		ug/L		103	70 - 131
1,2,3-Trichlorobenzene	20.0	20.3		ug/L		102	58 - 132
1,2,4-Trichlorobenzene	20.0	20.4		ug/L		102	66 - 130
1,1,1-Trichloroethane	20.0	19.8		ug/L		99	63 - 132
1,1,2-Trichloroethane	20.0	19.1		ug/L		96	70 - 130
Trichloroethene	20.0	21.7		ug/L		108	63 - 139
Trichlorofluoromethane	20.0	23.3		ug/L		117	62 - 146
1,2,3-Trichloropropane	20.0	20.5		ug/L		102	66 - 130
1,2,4-Trimethylbenzene	20.0	22.8		ug/L		114	70 - 132
1,3,5-Trimethylbenzene	20.0	21.4		ug/L		107	65 - 134
Vinyl chloride	20.0	19.2		ug/L		96	48 - 147
o-Xylene	20.0	21.6		ug/L		108	69 - 130
2-Butanone (MEK)	40.0	36.9		ug/L		92	63 - 140
4-Methyl-2-pentanone (MIBK)	40.0	37.2		ug/L		93	64 - 137
Carbon disulfide	40.0	31.8		ug/L		80	30 - 150
2-Hexanone	40.0	36.1		ug/L		90	60 - 148
Methyl tert-butyl ether	40.0	39.1		ug/L		98	67 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*97*		*70 - 130*
4-Bromofluorobenzene	*100*		*70 - 130*
Dibromofluoromethane	*98*		*70 - 130*

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

Lab Sample ID: 660-44552-1 MS
Matrix: Water
Analysis Batch: 117315

Client Sample ID: Primary GAC Effluent 110811
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	9.9	U	40.0	35.6		ug/L		89	62 - 142
Benzene	0.50	U	20.0	21.8		ug/L		109	68 - 134
Bromobenzene	0.58	U	20.0	22.2		ug/L		111	70 - 130
Chlorobromomethane	0.58	U	20.0	23.9		ug/L		119	70 - 130
Dichlorobromomethane	0.35	U	20.0	21.5		ug/L		107	70 - 130
Bromoform	0.58	U	20.0	21.9		ug/L		110	65 - 130
Bromomethane	2.5	U	20.0	21.5		ug/L		108	22 - 150
n-Butylbenzene	0.67	U	20.0	21.3		ug/L		106	61 - 131
sec-Butylbenzene	0.63	U	20.0	21.0		ug/L		105	68 - 133
tert-Butylbenzene	0.84	U	20.0	21.9		ug/L		109	64 - 130
Carbon tetrachloride	0.42	U	20.0	18.8		ug/L		94	61 - 134
Chlorobenzene	0.63	U	20.0	22.3		ug/L		111	70 - 130
Chloroethane	2.5	U	20.0	16.0		ug/L		80	39 - 150
Chloroform	0.90	U	20.0	21.3		ug/L		107	68 - 130
Chloromethane	1.0	U	20.0	20.2		ug/L		101	35 - 150
2-Chlorotoluene	0.65	U	20.0	22.5		ug/L		113	70 - 130
4-Chlorotoluene	0.52	U	20.0	22.2		ug/L		111	70 - 130
Chlorodibromomethane	0.34	U	20.0	22.0		ug/L		110	70 - 130
1,2-Dibromo-3-Chloropropane	2.5	U	20.0	25.5		ug/L		128	63 - 130
Ethylene Dibromide	0.50	U	20.0	23.7		ug/L		118	66 - 130
Dibromomethane	0.41	U	20.0	22.2		ug/L		111	70 - 130
1,2-Dichlorobenzene	0.44	U	20.0	22.8		ug/L		114	70 - 130
1,3-Dichlorobenzene	0.64	U	20.0	22.5		ug/L		112	70 - 130
1,4-Dichlorobenzene	0.52	U	20.0	22.1		ug/L		111	70 - 130
Dichlorodifluoromethane	2.5	U	20.0	11.8		ug/L		59	16 - 149
1,1-Dichloroethane	3.1		20.0	24.2		ug/L		106	66 - 130
1,2-Dichloroethane	0.57	U	20.0	21.6		ug/L		108	70 - 130
1,1,1,2-Tetrachloroethane	0.63	U	20.0	22.1		ug/L		110	70 - 130
1,1-Dichloroethene	0.45	U	20.0	17.2		ug/L		86	51 - 150
cis-1,2-Dichloroethene	0.65	U	20.0	22.4		ug/L		112	66 - 130
trans-1,2-Dichloroethene	0.44	U	20.0	21.3		ug/L		106	62 - 139
1,2-Dichloropropane	0.52	U	20.0	21.9		ug/L		109	70 - 130
1,3-Dichloropropane	0.39	U	20.0	22.4		ug/L		112	70 - 130
2,2-Dichloropropane	0.36	U	20.0	18.4		ug/L		92	66 - 134
1,1-Dichloropropene	0.31	U	20.0	19.7		ug/L		99	65 - 136
cis-1,3-Dichloropropene	0.14	U	20.0	22.3		ug/L		112	70 - 130
trans-1,3-Dichloropropene	0.14	U	20.0	20.9		ug/L		105	67 - 130
Ethylbenzene	0.44	U	20.0	22.6		ug/L		113	70 - 130
Hexachlorobutadiene	0.40	U	20.0	19.7		ug/L		99	62 - 143
Isopropylbenzene	0.19	U	20.0	21.8		ug/L		109	62 - 130
4-Isopropyltoluene	0.69	U	20.0	22.3		ug/L		112	65 - 134
Methylene Chloride	4.0	U	20.0	15.8		ug/L		79	57 - 130
Naphthalene	2.5	U	20.0	18.2		ug/L		91	50 - 136
N-Propylbenzene	0.59	U	20.0	21.0		ug/L		105	67 - 130
Styrene	0.98	U	20.0	19.8		ug/L		99	68 - 131
1,1,2,2-Tetrachloroethane	0.15	U	20.0	21.2		ug/L		106	70 - 130
Tetrachloroethene	0.50	U	20.0	19.8		ug/L		99	50 - 143
Toluene	1.0	U	20.0	21.5		ug/L		108	70 - 131
1,2,3-Trichlorobenzene	0.77	U	20.0	23.0		ug/L		115	58 - 132

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

Lab Sample ID: 660-44552-1 MS
Matrix: Water
Analysis Batch: 117315

Client Sample ID: Primary GAC Effluent 110811
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	0.58	U	20.0	21.1		ug/L		106	66 - 130
1,1,1-Trichloroethane	0.46	U	20.0	19.6		ug/L		98	63 - 132
1,1,2-Trichloroethane	0.47	U	20.0	21.6		ug/L		108	70 - 130
Trichloroethene	0.50	U	20.0	22.4		ug/L		112	63 - 139
Trichlorofluoromethane	2.5	U	20.0	23.6		ug/L		118	62 - 146
1,2,3-Trichloropropane	0.18	U	20.0	22.2		ug/L		111	66 - 130
1,2,4-Trimethylbenzene	0.86	U	20.0	22.7		ug/L		114	70 - 132
1,3,5-Trimethylbenzene	0.54	U	20.0	22.2		ug/L		111	65 - 134
Vinyl chloride	0.50	U	20.0	17.9		ug/L		89	48 - 147
o-Xylene	0.50	U	20.0	22.3		ug/L		112	69 - 130
2-Butanone (MEK)	8.4	U	40.0	40.6		ug/L		101	63 - 140
4-Methyl-2-pentanone (MIBK)	3.8	U	40.0	46.4		ug/L		116	64 - 137
Carbon disulfide	1.0	U	40.0	29.9		ug/L		75	30 - 150
2-Hexanone	4.4	U	40.0	39.4		ug/L		98	60 - 148
Methyl tert-butyl ether	0.44	U	40.0	39.0		ug/L		98	67 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*97*		*70 - 130*
4-Bromofluorobenzene	*102*		*70 - 130*
Dibromofluoromethane	*100*		*70 - 130*

Lab Sample ID: 660-44552-2 DU
Matrix: Water
Analysis Batch: 117315

Client Sample ID: Mid Process 110811
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Acetone	9.9	U	9.9	U	ug/L		NC	30
Benzene	0.50	U	0.50	U	ug/L		NC	30
Bromobenzene	0.58	U	0.58	U	ug/L		NC	30
Chlorobromomethane	0.58	U	0.58	U	ug/L		NC	30
Dichlorobromomethane	0.35	U	0.35	U	ug/L		NC	30
Bromoform	0.58	U	0.58	U	ug/L		NC	30
Bromomethane	2.5	U	2.5	U	ug/L		NC	30
n-Butylbenzene	0.67	U	0.67	U	ug/L		NC	30
sec-Butylbenzene	0.63	U	0.63	U	ug/L		NC	30
tert-Butylbenzene	0.84	U	0.84	U	ug/L		NC	30
Carbon tetrachloride	0.42	U	0.42	U	ug/L		NC	30
Chlorobenzene	0.63	U	0.63	U	ug/L		NC	30
Chloroethane	2.5	U	2.5	U	ug/L		NC	30
Chloroform	0.90	U	0.90	U	ug/L		NC	30
Chloromethane	1.0	U	1.0	U	ug/L		NC	30
2-Chlorotoluene	0.65	U	0.65	U	ug/L		NC	30
4-Chlorotoluene	0.52	U	0.52	U	ug/L		NC	30
Chlorodibromomethane	0.34	U	0.34	U	ug/L		NC	30
1,2-Dibromo-3-Chloropropane	2.5	U	2.5	U	ug/L		NC	30
Ethylene Dibromide	0.50	U	0.50	U	ug/L		NC	30
Dibromomethane	0.41	U	0.41	U	ug/L		NC	30
1,2-Dichlorobenzene	0.44	U	0.44	U	ug/L		NC	30
1,3-Dichlorobenzene	0.64	U	0.64	U	ug/L		NC	30

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

Lab Sample ID: 660-44552-2 DU
Matrix: Water
Analysis Batch: 117315

Client Sample ID: Mid Process 110811
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
1,4-Dichlorobenzene	0.52	U		0.52	U	ug/L				NC	30
Dichlorodifluoromethane	2.5	U		2.5	U	ug/L				NC	30
1,1-Dichloroethane	11			11.1		ug/L				2	30
1,2-Dichloroethane	0.57	U		0.57	U	ug/L				NC	30
1,1,1,2-Tetrachloroethane	0.63	U		0.63	U	ug/L				NC	30
1,1-Dichloroethene	0.45	U		0.45	U	ug/L				NC	30
cis-1,2-Dichloroethene	0.65	U		0.65	U	ug/L				NC	30
trans-1,2-Dichloroethene	0.44	U		0.44	U	ug/L				NC	30
1,2-Dichloropropane	0.52	U		0.52	U	ug/L				NC	30
1,3-Dichloropropane	0.39	U		0.39	U	ug/L				NC	30
2,2-Dichloropropane	0.36	U		0.36	U	ug/L				NC	30
1,1-Dichloropropene	0.31	U		0.31	U	ug/L				NC	30
cis-1,3-Dichloropropene	0.14	U		0.14	U	ug/L				NC	30
trans-1,3-Dichloropropene	0.14	U		0.14	U	ug/L				NC	30
Ethylbenzene	0.44	U		0.44	U	ug/L				NC	30
Hexachlorobutadiene	0.40	U		0.40	U	ug/L				NC	30
Isopropylbenzene	0.19	U		0.19	U	ug/L				NC	30
4-Isopropyltoluene	0.69	U		0.69	U	ug/L				NC	30
Methylene Chloride	4.0	U		4.0	U	ug/L				NC	30
Naphthalene	2.5	U		2.5	U	ug/L				NC	30
N-Propylbenzene	0.59	U		0.59	U	ug/L				NC	30
Styrene	0.98	U		0.98	U	ug/L				NC	30
1,1,2,2-Tetrachloroethane	0.15	U		0.15	U	ug/L				NC	30
Tetrachloroethene	0.50	U		0.50	U	ug/L				NC	30
Toluene	1.0	U		1.0	U	ug/L				NC	30
1,2,3-Trichlorobenzene	0.77	U		0.77	U	ug/L				NC	30
1,2,4-Trichlorobenzene	0.58	U		0.58	U	ug/L				NC	30
1,1,1-Trichloroethane	0.46	U		0.46	U	ug/L				NC	30
1,1,2-Trichloroethane	0.47	U		0.47	U	ug/L				NC	30
Trichloroethene	0.50	U		0.50	U	ug/L				NC	30
Trichlorofluoromethane	2.5	U		2.5	U	ug/L				NC	30
1,2,3-Trichloropropane	0.18	U		0.18	U	ug/L				NC	30
1,2,4-Trimethylbenzene	0.86	U		0.86	U	ug/L				NC	30
1,3,5-Trimethylbenzene	0.54	U		0.54	U	ug/L				NC	30
Vinyl chloride	0.50	U		0.50	U	ug/L				NC	30
o-Xylene	0.50	U		0.50	U	ug/L				NC	30
2-Butanone (MEK)	8.4	U		8.4	U	ug/L				NC	30
4-Methyl-2-pentanone (MIBK)	3.8	U		3.8	U	ug/L				NC	30
Carbon disulfide	1.0	U		1.0	U	ug/L				NC	30
2-Hexanone	4.4	U		4.4	U	ug/L				NC	30
Methyl tert-butyl ether	0.44	U		0.44	U	ug/L				NC	30
m-Xylene & p-Xylene	0.60	U		0.60	U	ug/L				NC	30

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
Toluene-d8 (Surr)	*97*		*70 - 130*
4-Bromofluorobenzene	*97*		*70 - 130*
Dibromofluoromethane	*105*		*70 - 130*

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44552-1

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Lab Sample ID: MB 660-117275/7 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 117275

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			11/09/11 09:55	1

Lab Sample ID: LCS 660-117275/4 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 117275

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dioxane	25.0	21.2		ug/L		85	50 - 150

Lab Sample ID: 660-44552-2 MS — **Client Sample ID: Mid Process 110811**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 117275

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dioxane	1.0	U	25.0	19.9		ug/L		80	50 - 150

Lab Sample ID: 660-44552-2 MSD — **Client Sample ID: Mid Process 110811**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 117275

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dioxane	1.0	U	25.0	19.9		ug/L		79	50 - 150	0	50

QC Association Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44552-1

GC/MS VOA

Analysis Batch: 117275

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-44552-1	Primary GAC Effluent 110811	Total/NA	Water	8260C _SIM/ID	
660-44552-2	Mid Process 110811	Total/NA	Water	8260C _SIM/ID	
660-44552-2 MS	Mid Process 110811	Total/NA	Water	8260C _SIM/ID	
660-44552-2 MSD	Mid Process 110811	Total/NA	Water	8260C _SIM/ID	
LCS 660-117275/4	Lab Control Sample	Total/NA	Water	8260C _SIM/ID	
MB 660-117275/7	Method Blank	Total/NA	Water	8260C _SIM/ID	

Analysis Batch: 117315

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-44552-1	Primary GAC Effluent 110811	Total/NA	Water	8260B	
660-44552-1 MS	Primary GAC Effluent 110811	Total/NA	Water	8260B	
660-44552-2	Mid Process 110811	Total/NA	Water	8260B	
660-44552-2 DU	Mid Process 110811	Total/NA	Water	8260B	
LCS 660-117315/5	Lab Control Sample	Total/NA	Water	8260B	
MB 660-117315/7	Method Blank	Total/NA	Water	8260B	

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44552-1

Client Sample ID: Primary GAC Effluent 110811

Lab Sample ID: 660-44552-1

Date Collected: 11/08/11 09:00

Matrix: Water

Date Received: 11/08/11 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C _SIM/ID		1	117275	11/09/11 10:46	AP	TAL TAM
Total/NA	Analysis	8260B		1	117315	11/09/11 17:39	RM	TAL TAM

Client Sample ID: Mid Process 110811

Lab Sample ID: 660-44552-2

Date Collected: 11/08/11 09:10

Matrix: Water

Date Received: 11/08/11 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C _SIM/ID		1	117275	11/09/11 11:08	AP	TAL TAM
Total/NA	Analysis	8260B		1	117315	11/09/11 17:06	RM	TAL TAM

Laboratory References:

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Certification Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44552-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Tampa	Alabama	State Program	4	40610
TestAmerica Tampa	Florida	NELAC	4	E84282
TestAmerica Tampa	Georgia	State Program	4	905
TestAmerica Tampa	USDA	USDA		P330-11-00177

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44552-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL TAM
8260C _SIM/ID	1,4-Dioxane by SIM/Isotopic Dilution	SW846	TAL TAM

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44552-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
660-44552-1	Primary GAC Effluent 110811	Water	11/08/11 09:00	11/08/11 13:00
660-44552-2	Mid Process 110811	Water	11/08/11 09:10	11/08/11 13:00

Serial Number 018042

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

660-44552

TestAmerica Tampa
6712 Benjamin Road, Suite 100
Tampa, FL 33634
Website: www.testamericainc.com
Phone: (813) 885-7427
Fax: (813) 885-7049

Alternate Laboratory Name/Location
Phone:
Fax:

PROJECT REFERENCE: Tallevast Carbon OM	PROJECT NO.: —	PROJECT LOCATION (STATE): FL	PAGE 1 OF 1
SAMPLER'S SIGNATURE	P.O. NUMBER: 38055.0038.00009	CONTRACT NO.: —	STANDARD REPORT DELIVERY ○
CLIENT (SITE) PM: Don Sauda	CLIENT PHONE: 8137484874	CLIENT FAX: —	DATE DUE:
CLIENT NAME: Arcadis	CLIENT E-MAIL: donald.sauda@arcadis-us.com		EXPEDITED REPORT DELIVERY (SURCHARGE) ○ DATE DUE: 48hrs
CLIENT ADDRESS: 1600 Tallevast Rd Sarasota, FL 34243			
COMPANY CONTRACTING THIS WORK (if applicable)			NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

REQUIRED ANALYSIS: 8260 B/C Sim 1D

PRESERVATIVE: HCL

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT...)	NUMBER OF CONTAINERS SUBMITTED	REMARKS
11-8-11	0900	Primary GAC effluent	G	X				4	inf flow - 21.3
11-8-11	0910	Mid Process	G	X				4	sys flow = 21
									inf pH = 2.76
									eff pH = 6.0

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS				11/8/11	9:15			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
EMPTY CONTAINERS	10-25-11	0906		11-8-11	1150			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	TAMPA LOG NO.	COOLER TEMP. UPON RECEIPT	LABORATORY REMARKS
Carol McMulty	11/8/11	1300	YES ○ NO ○			3.9°C cu07	

TAL8240-660 (0209)

11/10/2011

R625-EDC-002289-0

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 660-44552-1

Login Number: 44552
List Number: 1
Creator: McNulty, Carol

List Source: TestAmerica Tampa

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	3.9 degrees C Cu-07
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Tampa
6712 Benjamin Road
Suite 100
Tampa, FL 33634
Tel: (813)885-7427

TestAmerica Job ID: 660-44690-1
Client Project/Site: Tallevast Carbon OM
Revision: 1

For:
ARCADIS U.S. Inc
6723 Towpath Road
PO BOX 66
Syracuse, New York 13214

Attn: Donald Sauda

Authorized for release by:
12/27/2011 4:44:21 PM

Tina Fritz
Project Manager II
tina.fritz@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates that the compound was analyzed for but not detected.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 660-44690-1

Laboratory: TestAmerica Tampa

Narrative

Job Narrative
660-44690-1

Comment
Report revised 12/27/11 to correct error in date analyzed for the Mid Process sample for 8260C. Due to a computer software error and the change in time for Daylight Savings, this sample appears to be analyzed at 0003 on 11/15/11. It was injected at 0003 on 11/16/11.

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
Method 8260B: A full list spike was utilized for this method. The LCS associated with batch 117644 had 2 analytes outside control limits. The laboratory's SOP allows for 5 analytes to recover outside criteria for this method when a full list spike is utilized. These results have been reported and qualified.

Method 8260B: The matrix duplicate %RPD associated with batch 117644 was outside the control limits.

No other analytical or quality issues were noted.

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44690-1

Client Sample ID: Primary GAC Effluent 111511 — Lab Sample ID: 660-44690-1

No Detections

Client Sample ID: Mid-Process 111511 — Lab Sample ID: 660-44690-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	11	I	20	9.9	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	9.5		1.0	0.52	ug/L	1		8260B	Total/NA

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44690-1

Client Sample ID: Primary GAC Effluent 111511

Lab Sample ID: 660-44690-1

Date Collected: 11/15/11 09:00
Date Received: 11/15/11 14:00

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			11/15/11 23:45	1
Benzene	0.50	U	1.0	0.50	ug/L			11/15/11 23:45	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			11/15/11 23:45	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			11/15/11 23:45	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			11/15/11 23:45	1
Bromoform	0.58	U	1.0	0.58	ug/L			11/15/11 23:45	1
Bromomethane	2.5	U J3	5.0	2.5	ug/L			11/15/11 23:45	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			11/15/11 23:45	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			11/15/11 23:45	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			11/15/11 23:45	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			11/15/11 23:45	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			11/15/11 23:45	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/15/11 23:45	1
Chloroform	0.90	U	1.0	0.90	ug/L			11/15/11 23:45	1
Chloromethane	1.0	U	4.0	1.0	ug/L			11/15/11 23:45	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			11/15/11 23:45	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			11/15/11 23:45	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			11/15/11 23:45	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			11/15/11 23:45	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			11/15/11 23:45	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			11/15/11 23:45	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			11/15/11 23:45	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			11/15/11 23:45	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			11/15/11 23:45	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			11/15/11 23:45	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			11/15/11 23:45	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			11/15/11 23:45	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			11/15/11 23:45	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			11/15/11 23:45	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			11/15/11 23:45	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			11/15/11 23:45	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			11/15/11 23:45	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			11/15/11 23:45	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			11/15/11 23:45	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			11/15/11 23:45	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			11/15/11 23:45	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			11/15/11 23:45	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			11/15/11 23:45	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			11/15/11 23:45	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			11/15/11 23:45	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			11/15/11 23:45	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			11/15/11 23:45	1
Naphthalene	2.5	U	5.0	2.5	ug/L			11/15/11 23:45	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			11/15/11 23:45	1
Styrene	0.98	U	2.0	0.98	ug/L			11/15/11 23:45	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			11/15/11 23:45	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			11/15/11 23:45	1
Toluene	1.0	U	1.0	1.0	ug/L			11/15/11 23:45	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			11/15/11 23:45	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			11/15/11 23:45	1

Client Sample ID: Primary GAC Effluent 111511

Lab Sample ID: 660-44690-1

Date Collected: 11/15/11 09:00

Matrix: Water

Date Received: 11/15/11 14:00

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			11/15/11 23:45	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			11/15/11 23:45	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			11/15/11 23:45	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			11/15/11 23:45	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			11/15/11 23:45	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			11/15/11 23:45	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			11/15/11 23:45	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/15/11 23:45	1
o-Xylene	0.50	U	1.0	0.50	ug/L			11/15/11 23:45	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			11/15/11 23:45	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			11/15/11 23:45	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/15/11 23:45	1
2-Hexanone	4.4	U	10	4.4	ug/L			11/15/11 23:45	1
Methyl tert-butyl ether	0.44	U J3	1.0	0.44	ug/L			11/15/11 23:45	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			11/15/11 23:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*70 - 130*		*11/15/11 23:45*	*1*
4-Bromofluorobenzene	*91*		*70 - 130*		*11/15/11 23:45*	*1*
Dibromofluoromethane	*99*		*70 - 130*		*11/15/11 23:45*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			11/15/11 23:42	1

Client Sample ID: Mid-Process 111511

Lab Sample ID: 660-44690-2

Date Collected: 11/15/11 09:10

Matrix: Water

Date Received: 11/15/11 14:00

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**11**	**I**	20	9.9	ug/L			11/15/11 00:03	1
Benzene	0.50	U	1.0	0.50	ug/L			11/15/11 00:03	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			11/15/11 00:03	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			11/15/11 00:03	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			11/15/11 00:03	1
Bromoform	0.58	U	1.0	0.58	ug/L			11/15/11 00:03	1
Bromomethane	2.5	U J3	5.0	2.5	ug/L			11/15/11 00:03	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			11/15/11 00:03	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			11/15/11 00:03	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			11/15/11 00:03	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			11/15/11 00:03	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			11/15/11 00:03	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/15/11 00:03	1
Chloroform	0.90	U	1.0	0.90	ug/L			11/15/11 00:03	1
Chloromethane	1.0	U	4.0	1.0	ug/L			11/15/11 00:03	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			11/15/11 00:03	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			11/15/11 00:03	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			11/15/11 00:03	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			11/15/11 00:03	1

Client Sample ID: Mid-Process 111511
Date Collected: 11/15/11 09:10
Date Received: 11/15/11 14:00

Lab Sample ID: 660-44690-2
Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			11/15/11 00:03	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			11/15/11 00:03	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			11/15/11 00:03	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			11/15/11 00:03	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			11/15/11 00:03	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			11/15/11 00:03	1
1,1-Dichloroethane	**9.5**		1.0	0.52	ug/L			11/15/11 00:03	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			11/15/11 00:03	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			11/15/11 00:03	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			11/15/11 00:03	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			11/15/11 00:03	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			11/15/11 00:03	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			11/15/11 00:03	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			11/15/11 00:03	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			11/15/11 00:03	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			11/15/11 00:03	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			11/15/11 00:03	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			11/15/11 00:03	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			11/15/11 00:03	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			11/15/11 00:03	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			11/15/11 00:03	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			11/15/11 00:03	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			11/15/11 00:03	1
Naphthalene	2.5	U	5.0	2.5	ug/L			11/15/11 00:03	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			11/15/11 00:03	1
Styrene	0.98	U	2.0	0.98	ug/L			11/15/11 00:03	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			11/15/11 00:03	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			11/15/11 00:03	1
Toluene	1.0	U	1.0	1.0	ug/L			11/15/11 00:03	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			11/15/11 00:03	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			11/15/11 00:03	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			11/15/11 00:03	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			11/15/11 00:03	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			11/15/11 00:03	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			11/15/11 00:03	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			11/15/11 00:03	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			11/15/11 00:03	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			11/15/11 00:03	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/15/11 00:03	1
o-Xylene	0.50	U	1.0	0.50	ug/L			11/15/11 00:03	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			11/15/11 00:03	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			11/15/11 00:03	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/15/11 00:03	1
2-Hexanone	4.4	U	10	4.4	ug/L			11/15/11 00:03	1
Methyl tert-butyl ether	0.44	U J3	1.0	0.44	ug/L			11/15/11 00:03	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			11/15/11 00:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*70 - 130*		*11/15/11 00:03*	*1*
4-Bromofluorobenzene	*93*		*70 - 130*		*11/15/11 00:03*	*1*

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44690-1

Client Sample ID: Mid-Process 111511
Date Collected: 11/15/11 09:10
Date Received: 11/15/11 14:00

Lab Sample ID: 660-44690-2
Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*98*		*70 - 130*		*11/15/11 00:03*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			11/16/11 00:26	1

Surrogate Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44690-1

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)
660-44644-A-1 DU	Duplicate	95	95	95
660-44644-A-2 MS	Matrix Spike	98	92	96
660-44690-1	Primary GAC Effluent 111511	96	91	99
660-44690-2	Mid-Process 111511	94	93	98
LCS 660-117644/4	Lab Control Sample	99	87	98
MB 660-117644/6	Method Blank	95	92	104

Surrogate Legend

TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane

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

Lab Sample ID: MB 660-117644/6
Matrix: Water
Analysis Batch: 117644

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			11/15/11 21:56	1
Benzene	0.50	U	1.0	0.50	ug/L			11/15/11 21:56	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			11/15/11 21:56	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			11/15/11 21:56	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			11/15/11 21:56	1
Bromoform	0.58	U	1.0	0.58	ug/L			11/15/11 21:56	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/15/11 21:56	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			11/15/11 21:56	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			11/15/11 21:56	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			11/15/11 21:56	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			11/15/11 21:56	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			11/15/11 21:56	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/15/11 21:56	1
Chloroform	0.90	U	1.0	0.90	ug/L			11/15/11 21:56	1
Chloromethane	1.0	U	4.0	1.0	ug/L			11/15/11 21:56	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			11/15/11 21:56	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			11/15/11 21:56	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			11/15/11 21:56	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			11/15/11 21:56	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			11/15/11 21:56	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			11/15/11 21:56	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			11/15/11 21:56	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			11/15/11 21:56	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			11/15/11 21:56	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			11/15/11 21:56	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			11/15/11 21:56	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			11/15/11 21:56	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			11/15/11 21:56	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			11/15/11 21:56	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			11/15/11 21:56	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			11/15/11 21:56	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			11/15/11 21:56	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			11/15/11 21:56	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			11/15/11 21:56	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			11/15/11 21:56	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			11/15/11 21:56	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			11/15/11 21:56	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			11/15/11 21:56	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			11/15/11 21:56	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			11/15/11 21:56	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			11/15/11 21:56	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			11/15/11 21:56	1
Naphthalene	2.5	U	5.0	2.5	ug/L			11/15/11 21:56	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			11/15/11 21:56	1
Styrene	0.98	U	2.0	0.98	ug/L			11/15/11 21:56	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			11/15/11 21:56	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			11/15/11 21:56	1
Toluene	1.0	U	1.0	1.0	ug/L			11/15/11 21:56	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			11/15/11 21:56	1

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

Lab Sample ID: MB 660-117644/6
Matrix: Water
Analysis Batch: 117644

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			11/15/11 21:56	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			11/15/11 21:56	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			11/15/11 21:56	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			11/15/11 21:56	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			11/15/11 21:56	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			11/15/11 21:56	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			11/15/11 21:56	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			11/15/11 21:56	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/15/11 21:56	1
o-Xylene	0.50	U	1.0	0.50	ug/L			11/15/11 21:56	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			11/15/11 21:56	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			11/15/11 21:56	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/15/11 21:56	1
2-Hexanone	4.4	U	10	4.4	ug/L			11/15/11 21:56	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			11/15/11 21:56	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			11/15/11 21:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*70 - 130*		*11/15/11 21:56*	*1*
4-Bromofluorobenzene	*92*		*70 - 130*		*11/15/11 21:56*	*1*
Dibromofluoromethane	*104*		*70 - 130*		*11/15/11 21:56*	*1*

Lab Sample ID: LCS 660-117644/4
Matrix: Water
Analysis Batch: 117644

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	40.0	34.7		ug/L		87	62 - 142
Benzene	20.0	17.8		ug/L		89	68 - 134
Bromobenzene	20.0	19.0		ug/L		95	70 - 130
Chlorobromomethane	20.0	17.3		ug/L		86	70 - 130
Dichlorobromomethane	20.0	18.0		ug/L		90	70 - 130
Bromoform	20.0	19.0		ug/L		95	65 - 130
Bromomethane	20.0	31.3	J3	ug/L		156	22 - 150
n-Butylbenzene	20.0	17.0		ug/L		85	61 - 131
sec-Butylbenzene	20.0	17.2		ug/L		86	68 - 133
tert-Butylbenzene	20.0	15.8		ug/L		79	64 - 130
Carbon tetrachloride	20.0	17.1		ug/L		86	61 - 134
Chlorobenzene	20.0	20.2		ug/L		101	70 - 130
Chloroethane	20.0	16.7		ug/L		83	39 - 150
Chloroform	20.0	16.5		ug/L		82	68 - 130
Chloromethane	20.0	18.4		ug/L		92	35 - 150
2-Chlorotoluene	20.0	18.5		ug/L		93	70 - 130
4-Chlorotoluene	20.0	19.1		ug/L		95	70 - 130
Chlorodibromomethane	20.0	16.5		ug/L		83	70 - 130
1,2-Dibromo-3-Chloropropane	20.0	14.7		ug/L		74	63 - 130
Ethylene Dibromide	20.0	16.3		ug/L		81	66 - 130
Dibromomethane	20.0	16.5		ug/L		82	70 - 130
1,2-Dichlorobenzene	20.0	19.2		ug/L		96	70 - 130

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

Lab Sample ID: LCS 660-117644/4
Matrix: Water
Analysis Batch: 117644

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3-Dichlorobenzene	20.0	20.2		ug/L		101	70 - 130
1,4-Dichlorobenzene	20.0	19.6		ug/L		98	70 - 130
Dichlorodifluoromethane	20.0	10.6		ug/L		53	16 - 149
1,1-Dichloroethane	20.0	17.0		ug/L		85	66 - 130
1,2-Dichloroethane	20.0	17.1		ug/L		85	70 - 130
1,1,1,2-Tetrachloroethane	20.0	19.0		ug/L		95	70 - 130
1,1-Dichloroethene	20.0	16.7		ug/L		84	51 - 150
cis-1,2-Dichloroethene	20.0	16.7		ug/L		83	66 - 130
trans-1,2-Dichloroethene	20.0	17.5		ug/L		87	62 - 139
1,2-Dichloropropane	20.0	17.9		ug/L		90	70 - 130
1,3-Dichloropropane	20.0	16.4		ug/L		82	70 - 130
2,2-Dichloropropane	20.0	15.2		ug/L		76	66 - 134
1,1-Dichloropropene	20.0	16.8		ug/L		84	65 - 136
cis-1,3-Dichloropropene	20.0	16.6		ug/L		83	70 - 130
trans-1,3-Dichloropropene	20.0	16.5		ug/L		82	67 - 130
Ethylbenzene	20.0	20.2		ug/L		101	70 - 130
Hexachlorobutadiene	20.0	17.8		ug/L		89	62 - 143
Isopropylbenzene	20.0	18.5		ug/L		93	62 - 130
4-Isopropyltoluene	20.0	17.7		ug/L		89	65 - 134
Methylene Chloride	20.0	18.0		ug/L		90	57 - 130
Naphthalene	20.0	13.2		ug/L		66	50 - 136
N-Propylbenzene	20.0	19.7		ug/L		99	67 - 130
Styrene	20.0	18.3		ug/L		91	68 - 131
1,1,2,2-Tetrachloroethane	20.0	17.6		ug/L		88	70 - 130
Tetrachloroethene	20.0	16.3		ug/L		82	50 - 143
Toluene	20.0	18.0		ug/L		90	70 - 131
1,2,3-Trichlorobenzene	20.0	17.9		ug/L		90	58 - 132
1,2,4-Trichlorobenzene	20.0	17.3		ug/L		87	66 - 130
1,1,1-Trichloroethane	20.0	16.4		ug/L		82	63 - 132
1,1,2-Trichloroethane	20.0	16.8		ug/L		84	70 - 130
Trichloroethene	20.0	17.2		ug/L		86	63 - 139
Trichlorofluoromethane	20.0	20.9		ug/L		105	62 - 146
1,2,3-Trichloropropane	20.0	18.3		ug/L		92	66 - 130
1,2,4-Trimethylbenzene	20.0	17.4		ug/L		87	70 - 132
1,3,5-Trimethylbenzene	20.0	19.6		ug/L		98	65 - 134
Vinyl chloride	20.0	17.1		ug/L		86	48 - 147
o-Xylene	20.0	20.3		ug/L		101	69 - 130
2-Butanone (MEK)	40.0	35.7		ug/L		89	63 - 140
4-Methyl-2-pentanone (MIBK)	40.0	41.8		ug/L		105	64 - 137
Carbon disulfide	40.0	33.3		ug/L		83	30 - 150
2-Hexanone	40.0	30.5		ug/L		76	60 - 148
Methyl tert-butyl ether	40.0	25.7	J3	ug/L		64	67 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*99*		*70 - 130*
4-Bromofluorobenzene	*87*		*70 - 130*
Dibromofluoromethane	*98*		*70 - 130*

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

Lab Sample ID: 660-44644-A-2 MS
Matrix: Water
Analysis Batch: 117644

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	9.9	U	40.0	38.1		ug/L		95	62 - 142
Benzene	0.50	U	20.0	18.5		ug/L		93	68 - 134
Bromobenzene	0.58	U	20.0	20.5		ug/L		103	70 - 130
Chlorobromomethane	0.58	U	20.0	17.9		ug/L		90	70 - 130
Dichlorobromomethane	0.35	U	20.0	18.9		ug/L		94	70 - 130
Bromoform	0.58	U	20.0	19.1		ug/L		95	65 - 130
Bromomethane	2.5	U J3	20.0	26.2		ug/L		131	22 - 150
n-Butylbenzene	0.67	U	20.0	18.7		ug/L		93	61 - 131
sec-Butylbenzene	0.63	U	20.0	19.0		ug/L		95	68 - 133
tert-Butylbenzene	0.84	U	20.0	17.9		ug/L		90	64 - 130
Carbon tetrachloride	0.42	U	20.0	17.4		ug/L		87	61 - 134
Chlorobenzene	0.63	U	20.0	21.8		ug/L		109	70 - 130
Chloroethane	2.5	U	20.0	16.5		ug/L		83	39 - 150
Chloroform	0.90	U	20.0	16.7		ug/L		83	68 - 130
Chloromethane	1.0	U	20.0	17.6		ug/L		88	35 - 150
2-Chlorotoluene	0.65	U	20.0	20.0		ug/L		100	70 - 130
4-Chlorotoluene	0.52	U	20.0	20.9		ug/L		104	70 - 130
Chlorodibromomethane	0.34	U	20.0	17.9		ug/L		90	70 - 130
1,2-Dibromo-3-Chloropropane	2.5	U	20.0	19.1		ug/L		96	63 - 130
Ethylene Dibromide	0.50	U	20.0	17.5		ug/L		87	66 - 130
Dibromomethane	0.41	U	20.0	17.8		ug/L		89	70 - 130
1,2-Dichlorobenzene	0.44	U	20.0	20.4		ug/L		102	70 - 130
1,3-Dichlorobenzene	0.64	U	20.0	21.2		ug/L		106	70 - 130
1,4-Dichlorobenzene	0.52	U	20.0	21.2		ug/L		106	70 - 130
Dichlorodifluoromethane	2.5	U	20.0	9.91		ug/L		50	16 - 149
1,1-Dichloroethane	0.52	U	20.0	17.9		ug/L		89	66 - 130
1,2-Dichloroethane	0.57	U	20.0	18.5		ug/L		92	70 - 130
1,1,1,2-Tetrachloroethane	0.63	U	20.0	20.7		ug/L		104	70 - 130
1,1-Dichloroethene	0.45	U	20.0	17.2		ug/L		86	51 - 150
cis-1,2-Dichloroethene	3.9		20.0	21.3		ug/L		87	66 - 130
trans-1,2-Dichloroethene	0.44	U	20.0	18.1		ug/L		91	62 - 139
1,2-Dichloropropane	0.52	U	20.0	19.0		ug/L		95	70 - 130
1,3-Dichloropropane	0.39	U	20.0	18.5		ug/L		93	70 - 130
2,2-Dichloropropane	0.36	U	20.0	16.6		ug/L		83	66 - 134
1,1-Dichloropropene	0.31	U	20.0	18.0		ug/L		90	65 - 136
cis-1,3-Dichloropropene	0.14	U	20.0	17.4		ug/L		87	70 - 130
trans-1,3-Dichloropropene	0.14	U	20.0	17.4		ug/L		87	67 - 130
Ethylbenzene	0.44	U	20.0	21.1		ug/L		105	70 - 130
Hexachlorobutadiene	0.40	U	20.0	19.3		ug/L		96	62 - 143
Isopropylbenzene	0.19	U	20.0	20.2		ug/L		101	62 - 130
4-Isopropyltoluene	0.69	U	20.0	19.0		ug/L		95	65 - 134
Methylene Chloride	4.0	U	20.0	17.1		ug/L		86	57 - 130
Naphthalene	2.5	U	20.0	15.2		ug/L		76	50 - 136
N-Propylbenzene	0.59	U	20.0	21.0		ug/L		105	67 - 130
Styrene	0.98	U	20.0	19.0		ug/L		95	68 - 131
1,1,2,2-Tetrachloroethane	0.15	U	20.0	18.6		ug/L		93	70 - 130
Tetrachloroethene	0.50	U	20.0	16.8		ug/L		84	50 - 143
Toluene	1.0	U	20.0	18.5		ug/L		92	70 - 131
1,2,3-Trichlorobenzene	0.77	U	20.0	21.2		ug/L		106	58 - 132

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

Lab Sample ID: 660-44644-A-2 MS
Matrix: Water
Analysis Batch: 117644

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	0.58	U	20.0	20.2		ug/L		101	66 - 130
1,1,1-Trichloroethane	0.46	U	20.0	17.0		ug/L		85	63 - 132
1,1,2-Trichloroethane	0.47	U	20.0	17.8		ug/L		89	70 - 130
Trichloroethene	0.71	I	20.0	18.3		ug/L		88	63 - 139
Trichlorofluoromethane	2.5	U	20.0	20.9		ug/L		105	62 - 146
1,2,3-Trichloropropane	0.18	U	20.0	18.4		ug/L		92	66 - 130
1,2,4-Trimethylbenzene	0.86	U	20.0	18.9		ug/L		95	70 - 132
1,3,5-Trimethylbenzene	0.54	U	20.0	20.5		ug/L		102	65 - 134
Vinyl chloride	0.50	U	20.0	17.2		ug/L		86	48 - 147
o-Xylene	0.50	U	20.0	21.1		ug/L		105	69 - 130
2-Butanone (MEK)	8.4	U	40.0	36.4		ug/L		91	63 - 140
4-Methyl-2-pentanone (MIBK)	3.8	U	40.0	31.9		ug/L		80	64 - 137
Carbon disulfide	1.0	U	40.0	31.4		ug/L		78	30 - 150
2-Hexanone	4.4	U	40.0	31.5		ug/L		79	60 - 148
Methyl tert-butyl ether	0.44	U J3	40.0	28.2		ug/L		71	67 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*98*		*70 - 130*
4-Bromofluorobenzene	*92*		*70 - 130*
Dibromofluoromethane	*96*		*70 - 130*

Lab Sample ID: 660-44644-A-1 DU
Matrix: Water
Analysis Batch: 117644

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Acetone	9.9	U	9.9	U	ug/L		NC	30
Benzene	0.59	I	0.588	I	ug/L		0.3	30
Bromobenzene	0.58	U	0.58	U	ug/L		NC	30
Chlorobromomethane	0.58	U	0.58	U	ug/L		NC	30
Dichlorobromomethane	0.35	U	0.35	U	ug/L		NC	30
Bromoform	0.58	U	0.58	U	ug/L		NC	30
Bromomethane	2.5	U J3	2.5	U J3	ug/L		NC	30
n-Butylbenzene	0.67	U	0.866	I	ug/L		NC	30
sec-Butylbenzene	1.4		1.95	J3	ug/L		32	30
tert-Butylbenzene	0.84	U	0.84	U	ug/L		NC	30
Carbon tetrachloride	0.42	U	0.42	U	ug/L		NC	30
Chlorobenzene	0.63	U	0.63	U	ug/L		NC	30
Chloroethane	2.5	U	2.5	U	ug/L		NC	30
Chloroform	0.90	U	0.90	U	ug/L		NC	30
Chloromethane	1.0	U	1.0	U	ug/L		NC	30
2-Chlorotoluene	0.65	U	0.65	U	ug/L		NC	30
4-Chlorotoluene	0.52	U	0.52	U	ug/L		NC	30
Chlorodibromomethane	0.34	U	0.34	U	ug/L		NC	30
1,2-Dibromo-3-Chloropropane	2.5	U	2.5	U	ug/L		NC	30
Ethylene Dibromide	0.50	U	0.50	U	ug/L		NC	30
Dibromomethane	0.41	U	0.41	U	ug/L		NC	30
1,2-Dichlorobenzene	0.44	U	0.44	U	ug/L		NC	30
1,3-Dichlorobenzene	0.64	U	0.64	U	ug/L		NC	30

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

Lab Sample ID: 660-44644-A-1 DU
Matrix: Water
Analysis Batch: 117644

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
1,4-Dichlorobenzene	0.52	U		0.52	U	ug/L				NC	30
Dichlorodifluoromethane	2.5	U		2.5	U	ug/L				NC	30
1,1-Dichloroethane	0.52	U		0.52	U	ug/L				NC	30
1,2-Dichloroethane	0.57	U		0.57	U	ug/L				NC	30
1,1,1,2-Tetrachloroethane	0.63	U		0.63	U	ug/L				NC	30
1,1-Dichloroethene	0.45	U		0.45	U	ug/L				NC	30
cis-1,2-Dichloroethene	0.65	U		0.65	U	ug/L				NC	30
trans-1,2-Dichloroethene	0.44	U		0.44	U	ug/L				NC	30
1,2-Dichloropropane	0.52	U		0.52	U	ug/L				NC	30
1,3-Dichloropropane	0.39	U		0.39	U	ug/L				NC	30
2,2-Dichloropropane	0.36	U		0.36	U	ug/L				NC	30
1,1-Dichloropropene	0.31	U		0.31	U	ug/L				NC	30
cis-1,3-Dichloropropene	0.14	U		0.14	U	ug/L				NC	30
trans-1,3-Dichloropropene	0.14	U		0.14	U	ug/L				NC	30
Ethylbenzene	0.44	U		0.44	U	ug/L				NC	30
Hexachlorobutadiene	0.40	U		0.40	U	ug/L				NC	30
Isopropylbenzene	2.2			3.09	J3	ug/L				32	30
4-Isopropyltoluene	0.69	U		0.69	U	ug/L				NC	30
Methylene Chloride	4.0	U		4.0	U	ug/L				NC	30
Naphthalene	2.5	U		2.5	U	ug/L				NC	30
N-Propylbenzene	2.8			3.88	J3	ug/L				32	30
Styrene	0.98	U		0.98	U	ug/L				NC	30
1,1,2,2-Tetrachloroethane	0.15	U		0.15	U	ug/L				NC	30
Tetrachloroethene	0.50	U		0.50	U	ug/L				NC	30
Toluene	1.0	U		1.0	U	ug/L				NC	30
1,2,3-Trichlorobenzene	0.77	U		0.77	U	ug/L				NC	30
1,2,4-Trichlorobenzene	0.58	U		0.58	U	ug/L				NC	30
1,1,1-Trichloroethane	0.46	U		0.46	U	ug/L				NC	30
1,1,2-Trichloroethane	0.47	U		0.47	U	ug/L				NC	30
Trichloroethene	0.50	U		0.50	U	ug/L				NC	30
Trichlorofluoromethane	2.5	U		2.5	U	ug/L				NC	30
1,2,3-Trichloropropane	0.18	U		0.18	U	ug/L				NC	30
1,2,4-Trimethylbenzene	0.86	U		0.86	U	ug/L				NC	30
1,3,5-Trimethylbenzene	0.54	U		0.54	U	ug/L				NC	30
Vinyl chloride	0.50	U		0.50	U	ug/L				NC	30
o-Xylene	0.50	U		0.50	U	ug/L				NC	30
2-Butanone (MEK)	8.4	U		8.4	U	ug/L				NC	30
4-Methyl-2-pentanone (MIBK)	3.8	U		3.8	U	ug/L				NC	30
Carbon disulfide	1.0	U		1.0	U	ug/L				NC	30
2-Hexanone	4.4	U		4.4	U	ug/L				NC	30
Methyl tert-butyl ether	0.44	U J3		0.44	U J3	ug/L				NC	30
m-Xylene & p-Xylene	0.60	U		0.60	U	ug/L				NC	30

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
Toluene-d8 (Surr)	*95*		*70 - 130*
4-Bromofluorobenzene	*95*		*70 - 130*
Dibromofluoromethane	*95*		*70 - 130*

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44690-1

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Lab Sample ID: MB 660-117595/5 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 117595

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			11/15/11 23:20	1

Lab Sample ID: LCS 660-117595/3 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 117595

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,4-Dioxane			25.0	21.6		ug/L		87	50 - 150		

Lab Sample ID: 660-44690-2 MS — **Client Sample ID: Mid-Process 111511**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 117595

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,4-Dioxane	1.0	U	25.0	20.4		ug/L		82	50 - 150		

Lab Sample ID: 660-44690-1 DU — **Client Sample ID: Primary GAC Effluent 111511**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 117595

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
1,4-Dioxane	1.0	U		1.0	U	ug/L				NC	50

QC Association Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44690-1

GC/MS VOA

Analysis Batch: 117595

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-44690-1	Primary GAC Effluent 111511	Total/NA	Water	8260C _SIM/ID	
660-44690-1 DU	Primary GAC Effluent 111511	Total/NA	Water	8260C _SIM/ID	
660-44690-2	Mid-Process 111511	Total/NA	Water	8260C _SIM/ID	
660-44690-2 MS	Mid-Process 111511	Total/NA	Water	8260C _SIM/ID	
LCS 660-117595/3	Lab Control Sample	Total/NA	Water	8260C _SIM/ID	
MB 660-117595/5	Method Blank	Total/NA	Water	8260C _SIM/ID	

Analysis Batch: 117644

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-44644-A-1 DU	Duplicate	Total/NA	Water	8260B	
660-44644-A-2 MS	Matrix Spike	Total/NA	Water	8260B	
660-44690-1	Primary GAC Effluent 111511	Total/NA	Water	8260B	
660-44690-2	Mid-Process 111511	Total/NA	Water	8260B	
LCS 660-117644/4	Lab Control Sample	Total/NA	Water	8260B	
MB 660-117644/6	Method Blank	Total/NA	Water	8260B	

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44690-1

Client Sample ID: Primary GAC Effluent 111511

Lab Sample ID: 660-44690-1

Date Collected: 11/15/11 09:00

Matrix: Water

Date Received: 11/15/11 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C _SIM/ID		1	117595	11/15/11 23:42	RM	TAL TAM
Total/NA	Analysis	8260B		1	117644	11/15/11 23:45	RM	TAL TAM

Client Sample ID: Mid-Process 111511

Lab Sample ID: 660-44690-2

Date Collected: 11/15/11 09:10

Matrix: Water

Date Received: 11/15/11 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C _SIM/ID		1	117595	11/16/11 00:26	RM	TAL TAM
Total/NA	Analysis	8260B		1	117644	11/15/11 00:03	RM	TAL TAM

Laboratory References:

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Certification Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44690-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Tampa	Alabama	State Program	4	40610
TestAmerica Tampa	Florida	NELAC	4	E84282
TestAmerica Tampa	Georgia	State Program	4	905
TestAmerica Tampa	USDA	USDA		P330-11-00177

Accreditation may not be offered or required for all methods and analytes reported in this package . Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44690-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL TAM
8260C _SIM/ID	1,4-Dioxane by SIM/Isotopic Dilution	SW846	TAL TAM

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44690-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
660-44690-1	Primary GAC Effluent 111511	Water	11/15/11 09:00	11/15/11 14:00
660-44690-2	Mid-Process 111511	Water	11/15/11 09:10	11/15/11 14:00

Serial Number 018043

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

660-44690

TestAmerica Tampa
6712 Benjamin Road, Suite 100
Tampa, FL 33634
Website: www.testamericainc.com
Phone: (813) 885-7427
Fax: (813) 885-7049

Alternate Laboratory Name/Location
Phone:
Fax:

PROJECT REFERENCE: Tallevast Carbon OM	PROJECT NO.: —	PROJECT LOCATION (STATE): FL	PAGE 1 OF 1
SAMPLER'S SIGNATURE: Dave Johnson	P.O. NUMBER: 38055.0038.00009	CONTRACT NO.: —	STANDARD REPORT DELIVERY ○
CLIENT (SITE) PM: Don Sauda	CLIENT PHONE: 8137484874	CLIENT FAX: —	DATE DUE:
CLIENT NAME: Arcadis	CLIENT E-MAIL: donald.sauda@arcadis-us.com		EXPEDITED REPORT DELIVERY (SURCHARGE) ⊗
CLIENT ADDRESS: 1600 Tallevast Rd Sarasota, FL 34243			DATE DUE: 48 hrs
COMPANY CONTRACTING THIS WORK (if applicable): LMC			NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

MATRIX TYPE — COMPOSITE (C) OR GRAB (G) INDICATE

REQUIRED ANALYSIS: 8260 B/C Sim 1P; HCL PRESERVATIVE

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G)	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT...)	NUMBER OF CONTAINERS SUBMITTED	REMARKS
11-15-11	0900	Primary GAC Effluent	G	X				4	inf flow = 21 gpm
11-15-11	0910	Mid-Process	G	X				4	sys flow = 23 gpm
									inf pH = 2.8
									eff pH = 5.7

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS			Dave Johnson	11-15-11	1235			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS Dave Johnson	11-14-11	0800	[signature]	11-15-11	1235			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	TAMPA LOG NO.	COOLER TEMP. UPON RECEIPT	LABORATORY REMARKS
[signature]	11/15/11	1400	YES ○ NO ○			2.4°C CWO 7	

TAL8240-660 (0209)

12/27/2011

R625-EDC-002289-0

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 660-44690-1

Login Number: 44690
List Number: 1
Creator: Snead, Joshua

List Source: TestAmerica Tampa

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	2.4 degrees C Cu-07
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Tampa
6712 Benjamin Road
Suite 100
Tampa, FL 33634
Tel: (813)885-7427

TestAmerica Job ID: 660-44802-1
Client Project/Site: Tallevast Carbon OM

For:
ARCADIS U.S. Inc
6723 Towpath Road
PO BOX 66
Syracuse, New York 13214

Attn: Donald Sauda

Authorized for release by:
11/23/2011 9:28:48 AM
Nancy Robertson
Project Manager II
nancy.robertson@testamericainc.com

Designee for

Tina Fritz
Project Manager II
tina.fritz@testamericainc.com

LINKS

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44802-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates that the compound was analyzed for but not detected.
J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 660-44802-1

Laboratory: TestAmerica Tampa

Narrative

Job Narrative
660-44802-1

Comments
No additional comments.

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
Method 8260B: A full list spike was utilized for this method and due to the large number of spiked analytes, there is a high probability that one or more analytes will recover outside acceptance limits. The laboratory's SOP allows for 5 analytes to recover outside criteria. The LCS and matrix spike associated with batch 117862 had Bromomethane outside control limits; therefore, re-analysis was not performed. These results have been reported and qualified with J3.

No other analytical or quality issues were noted.

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44802-1

Client Sample ID: Primary GAC Effluent — Lab Sample ID: 660-44802-1

No Detections

Client Sample ID: Mid Process — Lab Sample ID: 660-44802-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	11	I	20	9.9	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	9.8		1.0	0.52	ug/L	1		8260B	Total/NA

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44802-1

Client Sample ID: Primary GAC Effluent

Date Collected: 11/21/11 08:10
Date Received: 11/21/11 14:45

Lab Sample ID: 660-44802-1
Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			11/21/11 22:06	1
Benzene	0.50	U	1.0	0.50	ug/L			11/21/11 22:06	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			11/21/11 22:06	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			11/21/11 22:06	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			11/21/11 22:06	1
Bromoform	0.58	U	1.0	0.58	ug/L			11/21/11 22:06	1
Bromomethane	2.5	U J3	5.0	2.5	ug/L			11/21/11 22:06	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			11/21/11 22:06	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			11/21/11 22:06	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			11/21/11 22:06	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			11/21/11 22:06	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			11/21/11 22:06	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/21/11 22:06	1
Chloroform	0.90	U	1.0	0.90	ug/L			11/21/11 22:06	1
Chloromethane	1.0	U	4.0	1.0	ug/L			11/21/11 22:06	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			11/21/11 22:06	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			11/21/11 22:06	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			11/21/11 22:06	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			11/21/11 22:06	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			11/21/11 22:06	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			11/21/11 22:06	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			11/21/11 22:06	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			11/21/11 22:06	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			11/21/11 22:06	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			11/21/11 22:06	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			11/21/11 22:06	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			11/21/11 22:06	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			11/21/11 22:06	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			11/21/11 22:06	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			11/21/11 22:06	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			11/21/11 22:06	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			11/21/11 22:06	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			11/21/11 22:06	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			11/21/11 22:06	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			11/21/11 22:06	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			11/21/11 22:06	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			11/21/11 22:06	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			11/21/11 22:06	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			11/21/11 22:06	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			11/21/11 22:06	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			11/21/11 22:06	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			11/21/11 22:06	1
Naphthalene	2.5	U	5.0	2.5	ug/L			11/21/11 22:06	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			11/21/11 22:06	1
Styrene	0.98	U	2.0	0.98	ug/L			11/21/11 22:06	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			11/21/11 22:06	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			11/21/11 22:06	1
Toluene	1.0	U	1.0	1.0	ug/L			11/21/11 22:06	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			11/21/11 22:06	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			11/21/11 22:06	1

Client Sample ID: Primary GAC Effluent

Lab Sample ID: 660-44802-1

Date Collected: 11/21/11 08:10

Matrix: Water

Date Received: 11/21/11 14:45

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			11/21/11 22:06	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			11/21/11 22:06	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			11/21/11 22:06	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			11/21/11 22:06	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			11/21/11 22:06	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			11/21/11 22:06	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			11/21/11 22:06	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/21/11 22:06	1
o-Xylene	0.50	U	1.0	0.50	ug/L			11/21/11 22:06	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			11/21/11 22:06	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			11/21/11 22:06	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/21/11 22:06	1
2-Hexanone	4.4	U	10	4.4	ug/L			11/21/11 22:06	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			11/21/11 22:06	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			11/21/11 22:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*107*		*70 - 130*		*11/21/11 22:06*	*1*
4-Bromofluorobenzene	*101*		*70 - 130*		*11/21/11 22:06*	*1*
Dibromofluoromethane	*97*		*70 - 130*		*11/21/11 22:06*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			11/21/11 21:43	1

Client Sample ID: Mid Process

Lab Sample ID: 660-44802-2

Date Collected: 11/21/11 08:20

Matrix: Water

Date Received: 11/21/11 14:45

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**11**	**I**	20	9.9	ug/L			11/21/11 22:42	1
Benzene	0.50	U	1.0	0.50	ug/L			11/21/11 22:42	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			11/21/11 22:42	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			11/21/11 22:42	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			11/21/11 22:42	1
Bromoform	0.58	U	1.0	0.58	ug/L			11/21/11 22:42	1
Bromomethane	2.5	U J3	5.0	2.5	ug/L			11/21/11 22:42	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			11/21/11 22:42	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			11/21/11 22:42	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			11/21/11 22:42	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			11/21/11 22:42	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			11/21/11 22:42	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/21/11 22:42	1
Chloroform	0.90	U	1.0	0.90	ug/L			11/21/11 22:42	1
Chloromethane	1.0	U	4.0	1.0	ug/L			11/21/11 22:42	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			11/21/11 22:42	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			11/21/11 22:42	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			11/21/11 22:42	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			11/21/11 22:42	1

Client Sample ID: Mid Process

Date Collected: 11/21/11 08:20
Date Received: 11/21/11 14:45

Lab Sample ID: 660-44802-2

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			11/21/11 22:42	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			11/21/11 22:42	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			11/21/11 22:42	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			11/21/11 22:42	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			11/21/11 22:42	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			11/21/11 22:42	1
1,1-Dichloroethane	**9.8**		1.0	0.52	ug/L			11/21/11 22:42	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			11/21/11 22:42	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			11/21/11 22:42	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			11/21/11 22:42	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			11/21/11 22:42	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			11/21/11 22:42	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			11/21/11 22:42	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			11/21/11 22:42	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			11/21/11 22:42	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			11/21/11 22:42	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			11/21/11 22:42	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			11/21/11 22:42	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			11/21/11 22:42	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			11/21/11 22:42	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			11/21/11 22:42	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			11/21/11 22:42	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			11/21/11 22:42	1
Naphthalene	2.5	U	5.0	2.5	ug/L			11/21/11 22:42	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			11/21/11 22:42	1
Styrene	0.98	U	2.0	0.98	ug/L			11/21/11 22:42	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			11/21/11 22:42	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			11/21/11 22:42	1
Toluene	1.0	U	1.0	1.0	ug/L			11/21/11 22:42	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			11/21/11 22:42	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			11/21/11 22:42	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			11/21/11 22:42	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			11/21/11 22:42	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			11/21/11 22:42	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			11/21/11 22:42	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			11/21/11 22:42	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			11/21/11 22:42	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			11/21/11 22:42	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/21/11 22:42	1
o-Xylene	0.50	U	1.0	0.50	ug/L			11/21/11 22:42	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			11/21/11 22:42	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			11/21/11 22:42	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/21/11 22:42	1
2-Hexanone	4.4	U	10	4.4	ug/L			11/21/11 22:42	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			11/21/11 22:42	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			11/21/11 22:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*106*		*70 - 130*		*11/21/11 22:42*	*1*
4-Bromofluorobenzene	*101*		*70 - 130*		*11/21/11 22:42*	*1*

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44802-1

Client Sample ID: Mid Process

Date Collected: 11/21/11 08:20
Date Received: 11/21/11 14:45

Lab Sample ID: 660-44802-2

Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*96*		*70 - 130*		*11/21/11 22:42*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			11/21/11 22:05	1

Surrogate Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44802-1

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)
660-44802-1	Primary GAC Effluent	107	101	97
660-44802-1 DU	Primary GAC Effluent	105	103	96
660-44802-2	Mid Process	106	101	96
660-44802-2 MS	Mid Process	106	96	99
LCS 660-117862/3	Lab Control Sample	107	95	105
MB 660-117862/5	Method Blank	108	102	104

Surrogate Legend

TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane

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

Lab Sample ID: MB 660-117862/5
Matrix: Water
Analysis Batch: 117862

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			11/21/11 21:48	1
Benzene	0.50	U	1.0	0.50	ug/L			11/21/11 21:48	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			11/21/11 21:48	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			11/21/11 21:48	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			11/21/11 21:48	1
Bromoform	0.58	U	1.0	0.58	ug/L			11/21/11 21:48	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/21/11 21:48	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			11/21/11 21:48	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			11/21/11 21:48	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			11/21/11 21:48	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			11/21/11 21:48	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			11/21/11 21:48	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/21/11 21:48	1
Chloroform	0.90	U	1.0	0.90	ug/L			11/21/11 21:48	1
Chloromethane	1.0	U	4.0	1.0	ug/L			11/21/11 21:48	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			11/21/11 21:48	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			11/21/11 21:48	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			11/21/11 21:48	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			11/21/11 21:48	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			11/21/11 21:48	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			11/21/11 21:48	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			11/21/11 21:48	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			11/21/11 21:48	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			11/21/11 21:48	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			11/21/11 21:48	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			11/21/11 21:48	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			11/21/11 21:48	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			11/21/11 21:48	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			11/21/11 21:48	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			11/21/11 21:48	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			11/21/11 21:48	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			11/21/11 21:48	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			11/21/11 21:48	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			11/21/11 21:48	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			11/21/11 21:48	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			11/21/11 21:48	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			11/21/11 21:48	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			11/21/11 21:48	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			11/21/11 21:48	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			11/21/11 21:48	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			11/21/11 21:48	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			11/21/11 21:48	1
Naphthalene	2.5	U	5.0	2.5	ug/L			11/21/11 21:48	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			11/21/11 21:48	1
Styrene	0.98	U	2.0	0.98	ug/L			11/21/11 21:48	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			11/21/11 21:48	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			11/21/11 21:48	1
Toluene	1.0	U	1.0	1.0	ug/L			11/21/11 21:48	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			11/21/11 21:48	1

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

Lab Sample ID: MB 660-117862/5
Matrix: Water
Analysis Batch: 117862

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			11/21/11 21:48	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			11/21/11 21:48	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			11/21/11 21:48	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			11/21/11 21:48	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			11/21/11 21:48	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			11/21/11 21:48	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			11/21/11 21:48	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			11/21/11 21:48	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/21/11 21:48	1
o-Xylene	0.50	U	1.0	0.50	ug/L			11/21/11 21:48	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			11/21/11 21:48	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			11/21/11 21:48	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/21/11 21:48	1
2-Hexanone	4.4	U	10	4.4	ug/L			11/21/11 21:48	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			11/21/11 21:48	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			11/21/11 21:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*108*		*70 - 130*		*11/21/11 21:48*	*1*
4-Bromofluorobenzene	*102*		*70 - 130*		*11/21/11 21:48*	*1*
Dibromofluoromethane	*104*		*70 - 130*		*11/21/11 21:48*	*1*

Lab Sample ID: LCS 660-117862/3
Matrix: Water
Analysis Batch: 117862

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	40.0	46.3		ug/L		116	62 - 142
Benzene	20.0	23.1		ug/L		115	68 - 134
Bromobenzene	20.0	17.3		ug/L		86	70 - 130
Chlorobromomethane	20.0	20.3		ug/L		102	70 - 130
Dichlorobromomethane	20.0	19.9		ug/L		100	70 - 130
Bromoform	20.0	14.6		ug/L		73	65 - 130
Bromomethane	20.0	30.8	J3	ug/L		154	22 - 150
n-Butylbenzene	20.0	19.3		ug/L		96	61 - 131
sec-Butylbenzene	20.0	18.9		ug/L		94	68 - 133
tert-Butylbenzene	20.0	17.5		ug/L		87	64 - 130
Carbon tetrachloride	20.0	19.9		ug/L		99	61 - 134
Chlorobenzene	20.0	18.8		ug/L		94	70 - 130
Chloroethane	20.0	27.1		ug/L		135	39 - 150
Chloroform	20.0	21.4		ug/L		107	68 - 130
Chloromethane	20.0	21.7		ug/L		109	35 - 150
2-Chlorotoluene	20.0	18.7		ug/L		93	70 - 130
4-Chlorotoluene	20.0	18.6		ug/L		93	70 - 130
Chlorodibromomethane	20.0	17.6		ug/L		88	70 - 130
1,2-Dibromo-3-Chloropropane	20.0	13.8		ug/L		69	63 - 130
Ethylene Dibromide	20.0	19.7		ug/L		99	66 - 130
Dibromomethane	20.0	20.7		ug/L		103	70 - 130
1,2-Dichlorobenzene	20.0	17.7		ug/L		89	70 - 130

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

Lab Sample ID: LCS 660-117862/3
Matrix: Water
Analysis Batch: 117862

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3-Dichlorobenzene	20.0	18.3		ug/L		92	70 - 130
1,4-Dichlorobenzene	20.0	17.9		ug/L		90	70 - 130
Dichlorodifluoromethane	20.0	21.1		ug/L		105	16 - 149
1,1-Dichloroethane	20.0	22.8		ug/L		114	66 - 130
1,2-Dichloroethane	20.0	21.1		ug/L		105	70 - 130
1,1,1,2-Tetrachloroethane	20.0	16.7		ug/L		83	70 - 130
1,1-Dichloroethene	20.0	21.0		ug/L		105	51 - 150
cis-1,2-Dichloroethene	20.0	21.6		ug/L		108	66 - 130
trans-1,2-Dichloroethene	20.0	21.2		ug/L		106	62 - 139
1,2-Dichloropropane	20.0	21.8		ug/L		109	70 - 130
1,3-Dichloropropane	20.0	20.1		ug/L		100	70 - 130
2,2-Dichloropropane	20.0	19.7		ug/L		98	66 - 134
1,1-Dichloropropene	20.0	22.0		ug/L		110	65 - 136
cis-1,3-Dichloropropene	20.0	19.5		ug/L		97	70 - 130
trans-1,3-Dichloropropene	20.0	18.8		ug/L		94	67 - 130
Ethylbenzene	20.0	19.0		ug/L		95	70 - 130
Hexachlorobutadiene	20.0	17.1		ug/L		85	62 - 143
Isopropylbenzene	20.0	18.4		ug/L		92	62 - 130
4-Isopropyltoluene	20.0	18.9		ug/L		95	65 - 134
Methylene Chloride	20.0	22.6		ug/L		113	57 - 130
Naphthalene	20.0	14.5		ug/L		73	50 - 136
N-Propylbenzene	20.0	19.6		ug/L		98	67 - 130
Styrene	20.0	18.8		ug/L		94	68 - 131
1,1,2,2-Tetrachloroethane	20.0	18.0		ug/L		90	70 - 130
Tetrachloroethene	20.0	19.1		ug/L		95	50 - 143
Toluene	20.0	21.2		ug/L		106	70 - 131
1,2,3-Trichlorobenzene	20.0	16.2		ug/L		81	58 - 132
1,2,4-Trichlorobenzene	20.0	16.0		ug/L		80	66 - 130
1,1,1-Trichloroethane	20.0	21.1		ug/L		106	63 - 132
1,1,2-Trichloroethane	20.0	19.5		ug/L		97	70 - 130
Trichloroethene	20.0	19.8		ug/L		99	63 - 139
Trichlorofluoromethane	20.0	28.7		ug/L		144	62 - 146
1,2,3-Trichloropropane	20.0	16.8		ug/L		84	66 - 130
1,2,4-Trimethylbenzene	20.0	18.6		ug/L		93	70 - 132
1,3,5-Trimethylbenzene	20.0	18.5		ug/L		93	65 - 134
Vinyl chloride	20.0	25.2		ug/L		126	48 - 147
o-Xylene	20.0	18.8		ug/L		94	69 - 130
2-Butanone (MEK)	40.0	43.5		ug/L		109	63 - 140
4-Methyl-2-pentanone (MIBK)	40.0	27.5		ug/L		69	64 - 137
Carbon disulfide	40.0	57.7		ug/L		144	30 - 150
2-Hexanone	40.0	39.3		ug/L		98	60 - 148
Methyl tert-butyl ether	40.0	38.9		ug/L		97	67 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*107*		*70 - 130*
4-Bromofluorobenzene	*95*		*70 - 130*
Dibromofluoromethane	*105*		*70 - 130*

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

Lab Sample ID: 660-44802-2 MS
Matrix: Water
Analysis Batch: 117862

Client Sample ID: Mid Process
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	11	I	40.0	54.4		ug/L		108	62 - 142
Benzene	0.50	U	20.0	23.6		ug/L		118	68 - 134
Bromobenzene	0.58	U	20.0	18.5		ug/L		93	70 - 130
Chlorobromomethane	0.58	U	20.0	22.0		ug/L		110	70 - 130
Dichlorobromomethane	0.35	U	20.0	22.0		ug/L		110	70 - 130
Bromoform	0.58	U	20.0	17.3		ug/L		87	65 - 130
Bromomethane	2.5	U J3	20.0	28.8		ug/L		144	22 - 150
n-Butylbenzene	0.67	U	20.0	19.2		ug/L		96	61 - 131
sec-Butylbenzene	0.63	U	20.0	18.7		ug/L		93	68 - 133
tert-Butylbenzene	0.84	U	20.0	18.1		ug/L		90	64 - 130
Carbon tetrachloride	0.42	U	20.0	19.4		ug/L		97	61 - 134
Chlorobenzene	0.63	U	20.0	19.5		ug/L		98	70 - 130
Chloroethane	2.5	U	20.0	27.0		ug/L		135	39 - 150
Chloroform	0.90	U	20.0	21.6		ug/L		108	68 - 130
Chloromethane	1.0	U	20.0	22.2		ug/L		111	35 - 150
2-Chlorotoluene	0.65	U	20.0	19.2		ug/L		96	70 - 130
4-Chlorotoluene	0.52	U	20.0	19.5		ug/L		98	70 - 130
Chlorodibromomethane	0.34	U	20.0	19.9		ug/L		99	70 - 130
1,2-Dibromo-3-Chloropropane	2.5	U	20.0	19.4		ug/L		97	63 - 130
Ethylene Dibromide	0.50	U	20.0	21.8		ug/L		109	66 - 130
Dibromomethane	0.41	U	20.0	23.1		ug/L		116	70 - 130
1,2-Dichlorobenzene	0.44	U	20.0	19.0		ug/L		95	70 - 130
1,3-Dichlorobenzene	0.64	U	20.0	18.7		ug/L		94	70 - 130
1,4-Dichlorobenzene	0.52	U	20.0	18.8		ug/L		94	70 - 130
Dichlorodifluoromethane	2.5	U	20.0	17.2		ug/L		86	16 - 149
1,1-Dichloroethane	9.8		20.0	32.5		ug/L		113	66 - 130
1,2-Dichloroethane	0.57	U	20.0	22.4		ug/L		112	70 - 130
1,1,1,2-Tetrachloroethane	0.63	U	20.0	18.2		ug/L		91	70 - 130
1,1-Dichloroethene	0.45	U	20.0	20.0		ug/L		100	51 - 150
cis-1,2-Dichloroethene	0.65	U	20.0	21.7		ug/L		108	66 - 130
trans-1,2-Dichloroethene	0.44	U	20.0	20.9		ug/L		104	62 - 139
1,2-Dichloropropane	0.52	U	20.0	23.8		ug/L		119	70 - 130
1,3-Dichloropropane	0.39	U	20.0	23.6		ug/L		118	70 - 130
2,2-Dichloropropane	0.36	U	20.0	18.0		ug/L		90	66 - 134
1,1-Dichloropropene	0.31	U	20.0	21.7		ug/L		108	65 - 136
cis-1,3-Dichloropropene	0.14	U	20.0	20.7		ug/L		104	70 - 130
trans-1,3-Dichloropropene	0.14	U	20.0	20.6		ug/L		103	67 - 130
Ethylbenzene	0.44	U	20.0	19.7		ug/L		98	70 - 130
Hexachlorobutadiene	0.40	U	20.0	17.0		ug/L		85	62 - 143
Isopropylbenzene	0.19	U	20.0	18.3		ug/L		92	62 - 130
4-Isopropyltoluene	0.69	U	20.0	18.3		ug/L		91	65 - 134
Methylene Chloride	4.0	U	20.0	22.2		ug/L		111	57 - 130
Naphthalene	2.5	U	20.0	17.5		ug/L		88	50 - 136
N-Propylbenzene	0.59	U	20.0	20.2		ug/L		101	67 - 130
Styrene	0.98	U	20.0	15.7		ug/L		79	68 - 131
1,1,2,2-Tetrachloroethane	0.15	U	20.0	21.6		ug/L		108	70 - 130
Tetrachloroethene	0.50	U	20.0	19.1		ug/L		95	50 - 143
Toluene	1.0	U	20.0	22.3		ug/L		112	70 - 131
1,2,3-Trichlorobenzene	0.77	U	20.0	18.7		ug/L		94	58 - 132

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

Lab Sample ID: 660-44802-2 MS
Matrix: Water
Analysis Batch: 117862

Client Sample ID: Mid Process
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	0.58	U	20.0	17.9		ug/L		89	66 - 130
1,1,1-Trichloroethane	0.46	U	20.0	20.0		ug/L		100	63 - 132
1,1,2-Trichloroethane	0.47	U	20.0	23.0		ug/L		115	70 - 130
Trichloroethene	0.50	U	20.0	19.5		ug/L		98	63 - 139
Trichlorofluoromethane	2.5	U	20.0	26.0		ug/L		130	62 - 146
1,2,3-Trichloropropane	0.18	U	20.0	21.1		ug/L		106	66 - 130
1,2,4-Trimethylbenzene	0.86	U	20.0	16.6		ug/L		83	70 - 132
1,3,5-Trimethylbenzene	0.54	U	20.0	17.1		ug/L		86	65 - 134
Vinyl chloride	0.50	U	20.0	23.2		ug/L		116	48 - 147
o-Xylene	0.50	U	20.0	19.7		ug/L		98	69 - 130
2-Butanone (MEK)	8.4	U	40.0	47.4		ug/L		119	63 - 140
4-Methyl-2-pentanone (MIBK)	3.8	U	40.0	48.8		ug/L		122	64 - 137
Carbon disulfide	1.0	U	40.0	51.0		ug/L		127	30 - 150
2-Hexanone	4.4	U	40.0	49.4		ug/L		123	60 - 148
Methyl tert-butyl ether	0.44	U	40.0	43.2		ug/L		108	67 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*106*		*70 - 130*
4-Bromofluorobenzene	*96*		*70 - 130*
Dibromofluoromethane	*99*		*70 - 130*

Lab Sample ID: 660-44802-1 DU
Matrix: Water
Analysis Batch: 117862

Client Sample ID: Primary GAC Effluent
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Acetone	9.9	U	9.9	U	ug/L		NC	30
Benzene	0.50	U	0.50	U	ug/L		NC	30
Bromobenzene	0.58	U	0.58	U	ug/L		NC	30
Chlorobromomethane	0.58	U	0.58	U	ug/L		NC	30
Dichlorobromomethane	0.35	U	0.35	U	ug/L		NC	30
Bromoform	0.58	U	0.58	U	ug/L		NC	30
Bromomethane	2.5	U J3	2.5	U J3	ug/L		NC	30
n-Butylbenzene	0.67	U	0.67	U	ug/L		NC	30
sec-Butylbenzene	0.63	U	0.63	U	ug/L		NC	30
tert-Butylbenzene	0.84	U	0.84	U	ug/L		NC	30
Carbon tetrachloride	0.42	U	0.42	U	ug/L		NC	30
Chlorobenzene	0.63	U	0.63	U	ug/L		NC	30
Chloroethane	2.5	U	2.5	U	ug/L		NC	30
Chloroform	0.90	U	0.90	U	ug/L		NC	30
Chloromethane	1.0	U	1.0	U	ug/L		NC	30
2-Chlorotoluene	0.65	U	0.65	U	ug/L		NC	30
4-Chlorotoluene	0.52	U	0.52	U	ug/L		NC	30
Chlorodibromomethane	0.34	U	0.34	U	ug/L		NC	30
1,2-Dibromo-3-Chloropropane	2.5	U	2.5	U	ug/L		NC	30
Ethylene Dibromide	0.50	U	0.50	U	ug/L		NC	30
Dibromomethane	0.41	U	0.41	U	ug/L		NC	30
1,2-Dichlorobenzene	0.44	U	0.44	U	ug/L		NC	30
1,3-Dichlorobenzene	0.64	U	0.64	U	ug/L		NC	30

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

Lab Sample ID: 660-44802-1 DU
Matrix: Water
Analysis Batch: 117862

Client Sample ID: Primary GAC Effluent
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
1,4-Dichlorobenzene	0.52	U		0.52	U	ug/L				NC	30
Dichlorodifluoromethane	2.5	U		2.5	U	ug/L				NC	30
1,1-Dichloroethane	0.52	U		0.52	U	ug/L				NC	30
1,2-Dichloroethane	0.57	U		0.57	U	ug/L				NC	30
1,1,1,2-Tetrachloroethane	0.63	U		0.63	U	ug/L				NC	30
1,1-Dichloroethene	0.45	U		0.45	U	ug/L				NC	30
cis-1,2-Dichloroethene	0.65	U		0.65	U	ug/L				NC	30
trans-1,2-Dichloroethene	0.44	U		0.44	U	ug/L				NC	30
1,2-Dichloropropane	0.52	U		0.52	U	ug/L				NC	30
1,3-Dichloropropane	0.39	U		0.39	U	ug/L				NC	30
2,2-Dichloropropane	0.36	U		0.36	U	ug/L				NC	30
1,1-Dichloropropene	0.31	U		0.31	U	ug/L				NC	30
cis-1,3-Dichloropropene	0.14	U		0.14	U	ug/L				NC	30
trans-1,3-Dichloropropene	0.14	U		0.14	U	ug/L				NC	30
Ethylbenzene	0.44	U		0.44	U	ug/L				NC	30
Hexachlorobutadiene	0.40	U		0.40	U	ug/L				NC	30
Isopropylbenzene	0.19	U		0.19	U	ug/L				NC	30
4-Isopropyltoluene	0.69	U		0.69	U	ug/L				NC	30
Methylene Chloride	4.0	U		4.0	U	ug/L				NC	30
Naphthalene	2.5	U		2.5	U	ug/L				NC	30
N-Propylbenzene	0.59	U		0.59	U	ug/L				NC	30
Styrene	0.98	U		0.98	U	ug/L				NC	30
1,1,2,2-Tetrachloroethane	0.15	U		0.15	U	ug/L				NC	30
Tetrachloroethene	0.50	U		0.50	U	ug/L				NC	30
Toluene	1.0	U		1.0	U	ug/L				NC	30
1,2,3-Trichlorobenzene	0.77	U		0.77	U	ug/L				NC	30
1,2,4-Trichlorobenzene	0.58	U		0.58	U	ug/L				NC	30
1,1,1-Trichloroethane	0.46	U		0.46	U	ug/L				NC	30
1,1,2-Trichloroethane	0.47	U		0.47	U	ug/L				NC	30
Trichloroethene	0.50	U		0.50	U	ug/L				NC	30
Trichlorofluoromethane	2.5	U		2.5	U	ug/L				NC	30
1,2,3-Trichloropropane	0.18	U		0.18	U	ug/L				NC	30
1,2,4-Trimethylbenzene	0.86	U		0.86	U	ug/L				NC	30
1,3,5-Trimethylbenzene	0.54	U		0.54	U	ug/L				NC	30
Vinyl chloride	0.50	U		0.50	U	ug/L				NC	30
o-Xylene	0.50	U		0.50	U	ug/L				NC	30
2-Butanone (MEK)	8.4	U		8.4	U	ug/L				NC	30
4-Methyl-2-pentanone (MIBK)	3.8	U		3.8	U	ug/L				NC	30
Carbon disulfide	1.0	U		1.0	U	ug/L				NC	30
2-Hexanone	4.4	U		4.4	U	ug/L				NC	30
Methyl tert-butyl ether	0.44	U		0.44	U	ug/L				NC	30
m-Xylene & p-Xylene	0.60	U		0.60	U	ug/L				NC	30

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
Toluene-d8 (Surr)	*105*		*70 - 130*
4-Bromofluorobenzene	*103*		*70 - 130*
Dibromofluoromethane	*96*		*70 - 130*

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44802-1

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Lab Sample ID: MB 660-117855/5 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 117855

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			11/21/11 19:38	1

Lab Sample ID: LCS 660-117855/3 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 117855

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,4-Dioxane			25.0	20.7		ug/L		83	50 - 150		

Lab Sample ID: 660-44793-A-1 MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 117855

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,4-Dioxane	1.0	U	25.0	17.6		ug/L		71	50 - 150		

Lab Sample ID: 660-44793-A-1 DU — **Client Sample ID: Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 117855

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
1,4-Dioxane	1.0	U		1.0	U	ug/L				NC	50

QC Association Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44802-1

GC/MS VOA

Analysis Batch: 117855

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-44793-A-1 DU	Duplicate	Total/NA	Water	8260C _SIM/ID	
660-44793-A-1 MS	Matrix Spike	Total/NA	Water	8260C _SIM/ID	
660-44802-1	Primary GAC Effluent	Total/NA	Water	8260C _SIM/ID	
660-44802-2	Mid Process	Total/NA	Water	8260C _SIM/ID	
LCS 660-117855/3	Lab Control Sample	Total/NA	Water	8260C _SIM/ID	
MB 660-117855/5	Method Blank	Total/NA	Water	8260C _SIM/ID	

Analysis Batch: 117862

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-44802-1	Primary GAC Effluent	Total/NA	Water	8260B	
660-44802-1 DU	Primary GAC Effluent	Total/NA	Water	8260B	
660-44802-2	Mid Process	Total/NA	Water	8260B	
660-44802-2 MS	Mid Process	Total/NA	Water	8260B	
LCS 660-117862/3	Lab Control Sample	Total/NA	Water	8260B	
MB 660-117862/5	Method Blank	Total/NA	Water	8260B	

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44802-1

Client Sample ID: Primary GAC Effluent

Lab Sample ID: 660-44802-1

Date Collected: 11/21/11 08:10

Matrix: Water

Date Received: 11/21/11 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C _SIM/ID		1	117855	11/21/11 21:43	RM	TAL TAM
Total/NA	Analysis	8260B		1	117862	11/21/11 22:06	RM	TAL TAM

Client Sample ID: Mid Process

Lab Sample ID: 660-44802-2

Date Collected: 11/21/11 08:20

Matrix: Water

Date Received: 11/21/11 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C _SIM/ID		1	117855	11/21/11 22:05	RM	TAL TAM
Total/NA	Analysis	8260B		1	117862	11/21/11 22:42	RM	TAL TAM

Laboratory References:

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Certification Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44802-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Tampa	Alabama	State Program	4	40610
TestAmerica Tampa	Florida	NELAC	4	E84282
TestAmerica Tampa	Georgia	State Program	4	905
TestAmerica Tampa	USDA	USDA		P330-11-00177

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44802-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL TAM
8260C _SIM/ID	1,4-Dioxane by SIM/Isotopic Dilution	SW846	TAL TAM

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44802-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
660-44802-1	Primary GAC Effluent	Water	11/21/11 08:10	11/21/11 14:45
660-44802-2	Mid Process	Water	11/21/11 08:20	11/21/11 14:45

Serial Number 018054

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

660-44802

TestAmerica Tampa
6712 Benjamin Road, Suite 100
Tampa, FL 33634
Website: www.testamericainc.com
Phone: (813) 885-7427
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Alternate Laboratory Name/Location
Phone:
Fax:

11/23/2011

PROJECT REFERENCE: Tallevast Carbon OM	PROJECT NO.: —	PROJECT LOCATION (STATE): FL	PAGE 1 OF 1
SAMPLER'S SIGNATURE: Dan Sauda	P.O. NUMBER: 35055.0038.00009	CONTRACT NO.: —	STANDARD REPORT DELIVERY ○
CLIENT (SITE) PM: Don Sauda	CLIENT PHONE: 813 748 4874	CLIENT FAX: —	DATE DUE:
CLIENT NAME: Arcadis	CLIENT E-MAIL: donald.sauda@arcadis-us.com		EXPEDITED REPORT DELIVERY (SURCHARGE) ○ DATE DUE: 48hrs
CLIENT ADDRESS: 1600 Tallevast Rd Sarasota, FL 34243			
COMPANY CONTRACTING THIS WORK (if applicable): CMC			NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT...)	8260 B/C SIM 1P	HCL PRESERVATIVE	REMARKS
11-21-11	0810	Primary GAC effluent	G	X				4		inf flow - 20.2
11-21-11	0820	Mid Process	G	X				4		sys flow - 21
										inf pH - 2.8
										eff pH - 6.4

NUMBER OF CONTAINERS SUBMITTED

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS			Dan Sauda	11-21-11	1335			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
EMPTY CONTAINERS Dan Sauda	11-18-11	0500	[illegible]	11-21-11	1335			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	TAMPA LOG NO.	COOLER TEMP. UPON RECEIPT	LABORATORY REMARKS
[illegible]	11/21/11	1445	YES ○ NO ○			1.0°C CG-07	

TAL8240-660 (0209)

R625-EDC-002289-0

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 660-44802-1

Login Number: 44802
List Number: 1
Creator: Snead, Joshua

List Source: TestAmerica Tampa

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	1.2 degrees C Cu-07
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Tampa
6712 Benjamin Road
Suite 100
Tampa, FL 33634
Tel: (813)885-7427

TestAmerica Job ID: 660-44893-1
Client Project/Site: Tallevast Carbon OM

For:
ARCADIS U.S. Inc
6723 Towpath Road
PO BOX 66
Syracuse, New York 13214

Attn: Donald Sauda

Authorized for release by:
11/30/2011 1:41:19 PM

Tina Fritz
Project Manager II
tina.fritz@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
U	Indicates that the compound was analyzed for but not detected.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 660-44893-1

Laboratory: TestAmerica Tampa

Narrative

Job Narrative
660-44893-1

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
Method(s) 8260B: The matrix spike (MS) recoveries for batch 118091 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44893-1

Client Sample ID: Primary GAC Effluent 112911 — Lab Sample ID: 660-44893-1

No Detections

Client Sample ID: Mid Process 112911 — Lab Sample ID: 660-44893-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	13		1.0	0.52	ug/L	1		8260B	Total/NA

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44893-1

Client Sample ID: Primary GAC Effluent 112911

Lab Sample ID: 660-44893-1

Date Collected: 11/29/11 09:00
Date Received: 11/29/11 14:40

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			11/30/11 09:46	1
Benzene	0.50	U	1.0	0.50	ug/L			11/30/11 09:46	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			11/30/11 09:46	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			11/30/11 09:46	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			11/30/11 09:46	1
Bromoform	0.58	U	1.0	0.58	ug/L			11/30/11 09:46	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/30/11 09:46	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			11/30/11 09:46	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			11/30/11 09:46	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			11/30/11 09:46	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			11/30/11 09:46	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			11/30/11 09:46	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/30/11 09:46	1
Chloroform	0.90	U	1.0	0.90	ug/L			11/30/11 09:46	1
Chloromethane	1.0	U	4.0	1.0	ug/L			11/30/11 09:46	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			11/30/11 09:46	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			11/30/11 09:46	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			11/30/11 09:46	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			11/30/11 09:46	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			11/30/11 09:46	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			11/30/11 09:46	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			11/30/11 09:46	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			11/30/11 09:46	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			11/30/11 09:46	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			11/30/11 09:46	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			11/30/11 09:46	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			11/30/11 09:46	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			11/30/11 09:46	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			11/30/11 09:46	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			11/30/11 09:46	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			11/30/11 09:46	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			11/30/11 09:46	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			11/30/11 09:46	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			11/30/11 09:46	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			11/30/11 09:46	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			11/30/11 09:46	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			11/30/11 09:46	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			11/30/11 09:46	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			11/30/11 09:46	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			11/30/11 09:46	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			11/30/11 09:46	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			11/30/11 09:46	1
Naphthalene	2.5	U	5.0	2.5	ug/L			11/30/11 09:46	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			11/30/11 09:46	1
Styrene	0.98	U	2.0	0.98	ug/L			11/30/11 09:46	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			11/30/11 09:46	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			11/30/11 09:46	1
Toluene	1.0	U	1.0	1.0	ug/L			11/30/11 09:46	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			11/30/11 09:46	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			11/30/11 09:46	1

Client Sample ID: Primary GAC Effluent 112911

Lab Sample ID: 660-44893-1

Date Collected: 11/29/11 09:00

Matrix: Water

Date Received: 11/29/11 14:40

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			11/30/11 09:46	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			11/30/11 09:46	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			11/30/11 09:46	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			11/30/11 09:46	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			11/30/11 09:46	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			11/30/11 09:46	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			11/30/11 09:46	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/30/11 09:46	1
o-Xylene	0.50	U	1.0	0.50	ug/L			11/30/11 09:46	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			11/30/11 09:46	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			11/30/11 09:46	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/30/11 09:46	1
2-Hexanone	4.4	U	10	4.4	ug/L			11/30/11 09:46	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			11/30/11 09:46	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			11/30/11 09:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*70 - 130*		*11/30/11 09:46*	*1*
4-Bromofluorobenzene	*98*		*70 - 130*		*11/30/11 09:46*	*1*
Dibromofluoromethane	*103*		*70 - 130*		*11/30/11 09:46*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			11/29/11 16:27	1

Client Sample ID: Mid Process 112911

Lab Sample ID: 660-44893-2

Date Collected: 11/29/11 09:10

Matrix: Water

Date Received: 11/29/11 14:40

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			11/30/11 10:05	1
Benzene	0.50	U	1.0	0.50	ug/L			11/30/11 10:05	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			11/30/11 10:05	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			11/30/11 10:05	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			11/30/11 10:05	1
Bromoform	0.58	U	1.0	0.58	ug/L			11/30/11 10:05	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/30/11 10:05	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			11/30/11 10:05	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			11/30/11 10:05	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			11/30/11 10:05	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			11/30/11 10:05	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			11/30/11 10:05	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/30/11 10:05	1
Chloroform	0.90	U	1.0	0.90	ug/L			11/30/11 10:05	1
Chloromethane	1.0	U	4.0	1.0	ug/L			11/30/11 10:05	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			11/30/11 10:05	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			11/30/11 10:05	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			11/30/11 10:05	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			11/30/11 10:05	1

Client Sample ID: Mid Process 112911
Date Collected: 11/29/11 09:10
Date Received: 11/29/11 14:40

Lab Sample ID: 660-44893-2
Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			11/30/11 10:05	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			11/30/11 10:05	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			11/30/11 10:05	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			11/30/11 10:05	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			11/30/11 10:05	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			11/30/11 10:05	1
1,1-Dichloroethane	**13**		1.0	0.52	ug/L			11/30/11 10:05	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			11/30/11 10:05	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			11/30/11 10:05	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			11/30/11 10:05	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			11/30/11 10:05	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			11/30/11 10:05	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			11/30/11 10:05	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			11/30/11 10:05	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			11/30/11 10:05	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			11/30/11 10:05	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			11/30/11 10:05	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			11/30/11 10:05	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			11/30/11 10:05	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			11/30/11 10:05	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			11/30/11 10:05	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			11/30/11 10:05	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			11/30/11 10:05	1
Naphthalene	2.5	U	5.0	2.5	ug/L			11/30/11 10:05	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			11/30/11 10:05	1
Styrene	0.98	U	2.0	0.98	ug/L			11/30/11 10:05	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			11/30/11 10:05	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			11/30/11 10:05	1
Toluene	1.0	U	1.0	1.0	ug/L			11/30/11 10:05	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			11/30/11 10:05	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			11/30/11 10:05	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			11/30/11 10:05	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			11/30/11 10:05	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			11/30/11 10:05	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			11/30/11 10:05	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			11/30/11 10:05	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			11/30/11 10:05	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			11/30/11 10:05	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/30/11 10:05	1
o-Xylene	0.50	U	1.0	0.50	ug/L			11/30/11 10:05	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			11/30/11 10:05	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			11/30/11 10:05	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/30/11 10:05	1
2-Hexanone	4.4	U	10	4.4	ug/L			11/30/11 10:05	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			11/30/11 10:05	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			11/30/11 10:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*70 - 130*		*11/30/11 10:05*	*1*
4-Bromofluorobenzene	*97*		*70 - 130*		*11/30/11 10:05*	*1*

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44893-1

Client Sample ID: Mid Process 112911
Date Collected: 11/29/11 09:10
Date Received: 11/29/11 14:40

Lab Sample ID: 660-44893-2
Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*102*		*70 - 130*		*11/30/11 10:05*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			11/29/11 16:48	1

Surrogate Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44893-1

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)
660-44763-D-65 MS	Matrix Spike	97	99	93
660-44763-D-66 DU	Duplicate	98	97	100
660-44893-1	Primary GAC Effluent 112911	101	98	103
660-44893-2	Mid Process 112911	97	97	102
LCS 660-118091/3	Lab Control Sample	98	98	92
MB 660-118091/5	Method Blank	102	100	102

Surrogate Legend

TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane

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

Lab Sample ID: MB 660-118091/5
Matrix: Water
Analysis Batch: 118091

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			11/30/11 08:33	1
Benzene	0.50	U	1.0	0.50	ug/L			11/30/11 08:33	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			11/30/11 08:33	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			11/30/11 08:33	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			11/30/11 08:33	1
Bromoform	0.58	U	1.0	0.58	ug/L			11/30/11 08:33	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/30/11 08:33	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			11/30/11 08:33	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			11/30/11 08:33	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			11/30/11 08:33	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			11/30/11 08:33	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			11/30/11 08:33	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/30/11 08:33	1
Chloroform	0.90	U	1.0	0.90	ug/L			11/30/11 08:33	1
Chloromethane	1.0	U	4.0	1.0	ug/L			11/30/11 08:33	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			11/30/11 08:33	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			11/30/11 08:33	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			11/30/11 08:33	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			11/30/11 08:33	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			11/30/11 08:33	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			11/30/11 08:33	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			11/30/11 08:33	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			11/30/11 08:33	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			11/30/11 08:33	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			11/30/11 08:33	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			11/30/11 08:33	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			11/30/11 08:33	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			11/30/11 08:33	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			11/30/11 08:33	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			11/30/11 08:33	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			11/30/11 08:33	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			11/30/11 08:33	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			11/30/11 08:33	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			11/30/11 08:33	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			11/30/11 08:33	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			11/30/11 08:33	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			11/30/11 08:33	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			11/30/11 08:33	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			11/30/11 08:33	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			11/30/11 08:33	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			11/30/11 08:33	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			11/30/11 08:33	1
Naphthalene	2.5	U	5.0	2.5	ug/L			11/30/11 08:33	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			11/30/11 08:33	1
Styrene	0.98	U	2.0	0.98	ug/L			11/30/11 08:33	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			11/30/11 08:33	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			11/30/11 08:33	1
Toluene	1.0	U	1.0	1.0	ug/L			11/30/11 08:33	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			11/30/11 08:33	1

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

Lab Sample ID: MB 660-118091/5
Matrix: Water
Analysis Batch: 118091

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			11/30/11 08:33	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			11/30/11 08:33	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			11/30/11 08:33	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			11/30/11 08:33	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			11/30/11 08:33	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			11/30/11 08:33	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			11/30/11 08:33	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			11/30/11 08:33	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/30/11 08:33	1
o-Xylene	0.50	U	1.0	0.50	ug/L			11/30/11 08:33	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			11/30/11 08:33	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			11/30/11 08:33	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/30/11 08:33	1
2-Hexanone	4.4	U	10	4.4	ug/L			11/30/11 08:33	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			11/30/11 08:33	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			11/30/11 08:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*70 - 130*		*11/30/11 08:33*	*1*
4-Bromofluorobenzene	*100*		*70 - 130*		*11/30/11 08:33*	*1*
Dibromofluoromethane	*102*		*70 - 130*		*11/30/11 08:33*	*1*

Lab Sample ID: LCS 660-118091/3
Matrix: Water
Analysis Batch: 118091

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	40.0	56.5		ug/L		141	62 - 142
Benzene	20.0	19.7		ug/L		99	68 - 134
Bromobenzene	20.0	21.2		ug/L		106	70 - 130
Chlorobromomethane	20.0	17.2		ug/L		86	70 - 130
Dichlorobromomethane	20.0	20.3		ug/L		101	70 - 130
Bromoform	20.0	21.0		ug/L		105	65 - 130
Bromomethane	20.0	12.9		ug/L		65	22 - 150
n-Butylbenzene	20.0	22.6		ug/L		113	61 - 131
sec-Butylbenzene	20.0	22.1		ug/L		111	68 - 133
tert-Butylbenzene	20.0	21.6		ug/L		108	64 - 130
Carbon tetrachloride	20.0	19.1		ug/L		95	61 - 134
Chlorobenzene	20.0	21.0		ug/L		105	70 - 130
Chloroethane	20.0	19.3		ug/L		97	39 - 150
Chloroform	20.0	18.0		ug/L		90	68 - 130
Chloromethane	20.0	12.1		ug/L		60	35 - 150
2-Chlorotoluene	20.0	21.6		ug/L		108	70 - 130
4-Chlorotoluene	20.0	21.7		ug/L		108	70 - 130
Chlorodibromomethane	20.0	20.7		ug/L		104	70 - 130
1,2-Dibromo-3-Chloropropane	20.0	22.0		ug/L		110	63 - 130
Ethylene Dibromide	20.0	21.9		ug/L		109	66 - 130
Dibromomethane	20.0	19.1		ug/L		96	70 - 130
1,2-Dichlorobenzene	20.0	21.7		ug/L		109	70 - 130

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

Lab Sample ID: LCS 660-118091/3
Matrix: Water
Analysis Batch: 118091

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3-Dichlorobenzene	20.0	21.4		ug/L		107	70 - 130
1,4-Dichlorobenzene	20.0	21.8		ug/L		109	70 - 130
Dichlorodifluoromethane	20.0	12.9		ug/L		64	16 - 149
1,1-Dichloroethane	20.0	18.5		ug/L		93	66 - 130
1,2-Dichloroethane	20.0	19.9		ug/L		100	70 - 130
1,1,1,2-Tetrachloroethane	20.0	21.7		ug/L		109	70 - 130
1,1-Dichloroethene	20.0	17.4		ug/L		87	51 - 150
cis-1,2-Dichloroethene	20.0	19.2		ug/L		96	66 - 130
trans-1,2-Dichloroethene	20.0	17.5		ug/L		88	62 - 139
1,2-Dichloropropane	20.0	22.2		ug/L		111	70 - 130
1,3-Dichloropropane	20.0	22.2		ug/L		111	70 - 130
2,2-Dichloropropane	20.0	19.4		ug/L		97	66 - 134
1,1-Dichloropropene	20.0	19.7		ug/L		98	65 - 136
cis-1,3-Dichloropropene	20.0	22.3		ug/L		112	70 - 130
trans-1,3-Dichloropropene	20.0	21.9		ug/L		109	67 - 130
Ethylbenzene	20.0	20.8		ug/L		104	70 - 130
Hexachlorobutadiene	20.0	19.0		ug/L		95	62 - 143
Isopropylbenzene	20.0	20.9		ug/L		104	62 - 130
4-Isopropyltoluene	20.0	22.5		ug/L		113	65 - 134
Methylene Chloride	20.0	15.1		ug/L		75	57 - 130
Naphthalene	20.0	21.1		ug/L		106	50 - 136
N-Propylbenzene	20.0	22.2		ug/L		111	67 - 130
Styrene	20.0	21.2		ug/L		106	68 - 131
1,1,2,2-Tetrachloroethane	20.0	23.8		ug/L		119	70 - 130
Tetrachloroethene	20.0	17.9		ug/L		89	50 - 143
Toluene	20.0	20.4		ug/L		102	70 - 131
1,2,3-Trichlorobenzene	20.0	21.0		ug/L		105	58 - 132
1,2,4-Trichlorobenzene	20.0	21.5		ug/L		108	66 - 130
1,1,1-Trichloroethane	20.0	19.2		ug/L		96	63 - 132
1,1,2-Trichloroethane	20.0	21.6		ug/L		108	70 - 130
Trichloroethene	20.0	19.6		ug/L		98	63 - 139
Trichlorofluoromethane	20.0	17.7		ug/L		89	62 - 146
1,2,3-Trichloropropane	20.0	23.1		ug/L		115	66 - 130
1,2,4-Trimethylbenzene	20.0	21.6		ug/L		108	70 - 132
1,3,5-Trimethylbenzene	20.0	22.0		ug/L		110	65 - 134
Vinyl chloride	20.0	16.4		ug/L		82	48 - 147
o-Xylene	20.0	21.0		ug/L		105	69 - 130
2-Butanone (MEK)	40.0	52.7		ug/L		132	63 - 140
4-Methyl-2-pentanone (MIBK)	40.0	54.4		ug/L		136	64 - 137
Carbon disulfide	40.0	30.7		ug/L		77	30 - 150
2-Hexanone	40.0	54.3		ug/L		136	60 - 148
Methyl tert-butyl ether	40.0	45.1		ug/L		113	67 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*98*		*70 - 130*
4-Bromofluorobenzene	*98*		*70 - 130*
Dibromofluoromethane	*92*		*70 - 130*

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

Lab Sample ID: 660-44763-D-65 MS
Matrix: Water
Analysis Batch: 118091

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	9.9	U	40.0	41.7		ug/L		104	62 - 142
Benzene	0.50	U	20.0	20.3		ug/L		102	68 - 134
Bromobenzene	0.58	U	20.0	22.1		ug/L		111	70 - 130
Chlorobromomethane	0.58	U	20.0	18.6		ug/L		93	70 - 130
Dichlorobromomethane	0.35	U	20.0	19.9		ug/L		99	70 - 130
Bromoform	0.58	U	20.0	20.0		ug/L		100	65 - 130
Bromomethane	2.5	U	20.0	9.68		ug/L		48	22 - 150
n-Butylbenzene	0.67	U	20.0	22.1		ug/L		111	61 - 131
sec-Butylbenzene	0.63	U	20.0	21.8		ug/L		109	68 - 133
tert-Butylbenzene	0.84	U	20.0	21.4		ug/L		107	64 - 130
Carbon tetrachloride	0.42	U	20.0	18.2		ug/L		91	61 - 134
Chlorobenzene	0.63	U	20.0	21.4		ug/L		107	70 - 130
Chloroethane	2.5	U	20.0	18.2		ug/L		91	39 - 150
Chloroform	0.90	U	20.0	18.6		ug/L		93	68 - 130
Chloromethane	1.0	U	20.0	12.1		ug/L		60	35 - 150
2-Chlorotoluene	0.65	U	20.0	21.9		ug/L		109	70 - 130
4-Chlorotoluene	0.52	U	20.0	21.8		ug/L		109	70 - 130
Chlorodibromomethane	0.34	U	20.0	19.9		ug/L		100	70 - 130
1,2-Dibromo-3-Chloropropane	2.5	U	20.0	22.3		ug/L		111	63 - 130
Ethylene Dibromide	0.50	U	20.0	21.4		ug/L		107	66 - 130
Dibromomethane	0.41	U	20.0	20.0		ug/L		100	70 - 130
1,2-Dichlorobenzene	0.44	U	20.0	22.1		ug/L		110	70 - 130
1,3-Dichlorobenzene	0.64	U	20.0	22.0		ug/L		110	70 - 130
1,4-Dichlorobenzene	0.52	U	20.0	22.2		ug/L		111	70 - 130
Dichlorodifluoromethane	2.5	U	20.0	10.3		ug/L		51	16 - 149
1,1-Dichloroethane	0.52	U	20.0	19.0		ug/L		95	66 - 130
1,2-Dichloroethane	0.57	U	20.0	20.3		ug/L		102	70 - 130
1,1,1,2-Tetrachloroethane	0.63	U	20.0	21.8		ug/L		109	70 - 130
1,1-Dichloroethene	0.45	U	20.0	17.1		ug/L		85	51 - 150
cis-1,2-Dichloroethene	0.65	U	20.0	19.3		ug/L		96	66 - 130
trans-1,2-Dichloroethene	0.44	U	20.0	17.9		ug/L		89	62 - 139
1,2-Dichloropropane	0.52	U	20.0	21.3		ug/L		107	70 - 130
1,3-Dichloropropane	0.39	U	20.0	21.3		ug/L		106	70 - 130
2,2-Dichloropropane	0.36	U	20.0	18.3		ug/L		91	66 - 134
1,1-Dichloropropene	0.31	U	20.0	17.7		ug/L		89	65 - 136
cis-1,3-Dichloropropene	0.14	U	20.0	20.9		ug/L		105	70 - 130
trans-1,3-Dichloropropene	0.14	U	20.0	20.4		ug/L		102	67 - 130
Ethylbenzene	0.44	U	20.0	20.9		ug/L		105	70 - 130
Hexachlorobutadiene	0.40	U	20.0	18.3		ug/L		91	62 - 143
Isopropylbenzene	0.19	U	20.0	21.1		ug/L		106	62 - 130
4-Isopropyltoluene	0.69	U	20.0	22.1		ug/L		110	65 - 134
Methylene Chloride	4.0	U	20.0	15.3		ug/L		77	57 - 130
Naphthalene	2.5	U	20.0	21.2		ug/L		106	50 - 136
N-Propylbenzene	0.59	U	20.0	22.4		ug/L		112	67 - 130
Styrene	0.98	U	20.0	11.4	J3	ug/L		57	68 - 131
1,1,2,2-Tetrachloroethane	0.15	U	20.0	25.0		ug/L		125	70 - 130
Tetrachloroethene	0.50	U	20.0	18.0		ug/L		90	50 - 143
Toluene	1.0	U	20.0	20.0		ug/L		100	70 - 131
1,2,3-Trichlorobenzene	0.77	U	20.0	21.0		ug/L		105	58 - 132

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

Lab Sample ID: 660-44763-D-65 MS
Matrix: Water
Analysis Batch: 118091

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	0.58	U	20.0	21.3		ug/L		107	66 - 130
1,1,1-Trichloroethane	0.46	U	20.0	18.4		ug/L		92	63 - 132
1,1,2-Trichloroethane	0.47	U	20.0	21.3		ug/L		107	70 - 130
Trichloroethene	0.50	U	20.0	19.1		ug/L		95	63 - 139
Trichlorofluoromethane	2.5	U	20.0	15.8		ug/L		79	62 - 146
1,2,3-Trichloropropane	0.18	U	20.0	24.9		ug/L		125	66 - 130
1,2,4-Trimethylbenzene	0.86	U	20.0	19.6		ug/L		98	70 - 132
1,3,5-Trimethylbenzene	0.54	U	20.0	21.7		ug/L		109	65 - 134
Vinyl chloride	0.50	U	20.0	14.3		ug/L		71	48 - 147
o-Xylene	0.50	U	20.0	21.5		ug/L		108	69 - 130
2-Butanone (MEK)	8.4	U	40.0	44.0		ug/L		110	63 - 140
4-Methyl-2-pentanone (MIBK)	3.8	U	40.0	54.1		ug/L		135	64 - 137
Carbon disulfide	1.0	U	40.0	28.2		ug/L		70	30 - 150
2-Hexanone	4.4	U	40.0	49.9		ug/L		125	60 - 148
Methyl tert-butyl ether	0.44	U	40.0	45.8		ug/L		115	67 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*97*		*70 - 130*
4-Bromofluorobenzene	*99*		*70 - 130*
Dibromofluoromethane	*93*		*70 - 130*

Lab Sample ID: 660-44763-D-66 DU
Matrix: Water
Analysis Batch: 118091

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Acetone	9.9		9.9	U	ug/L		NC	30
Benzene	0.50		0.50	U	ug/L		NC	30
Bromobenzene	0.58		0.58	U	ug/L		NC	30
Chlorobromomethane	0.58		0.58	U	ug/L		NC	30
Dichlorobromomethane	0.35		0.35	U	ug/L		NC	30
Bromoform	0.58		0.58	U	ug/L		NC	30
Bromomethane	2.5		2.5	U	ug/L		NC	30
n-Butylbenzene	0.67		0.67	U	ug/L		NC	30
sec-Butylbenzene	0.63		0.63	U	ug/L		NC	30
tert-Butylbenzene	0.84		0.84	U	ug/L		NC	30
Carbon tetrachloride	0.42		0.42	U	ug/L		NC	30
Chlorobenzene	0.63		0.63	U	ug/L		NC	30
Chloroethane	2.5		2.5	U	ug/L		NC	30
Chloroform	0.90		0.90	U	ug/L		NC	30
Chloromethane	1.0		1.0	U	ug/L		NC	30
2-Chlorotoluene	0.65		0.65	U	ug/L		NC	30
4-Chlorotoluene	0.52		0.52	U	ug/L		NC	30
Chlorodibromomethane	0.34		0.34	U	ug/L		NC	30
1,2-Dibromo-3-Chloropropane	2.5		2.5	U	ug/L		NC	30
Ethylene Dibromide	0.50		0.50	U	ug/L		NC	30
Dibromomethane	0.41		0.41	U	ug/L		NC	30
1,2-Dichlorobenzene	0.44		0.44	U	ug/L		NC	30
1,3-Dichlorobenzene	0.64		0.64	U	ug/L		NC	30

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

Lab Sample ID: 660-44763-D-66 DU
Matrix: Water
Analysis Batch: 118091

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
1,4-Dichlorobenzene	0.52			0.52	U	ug/L				NC	30
Dichlorodifluoromethane	2.5			2.5	U	ug/L				NC	30
1,1-Dichloroethane	0.52			0.52	U	ug/L				NC	30
1,2-Dichloroethane	0.57			0.57	U	ug/L				NC	30
1,1,1,2-Tetrachloroethane	0.63			0.63	U	ug/L				NC	30
1,1-Dichloroethene	0.61			0.607	I	ug/L				0	30
cis-1,2-Dichloroethene	0.65			0.65	U	ug/L				NC	30
trans-1,2-Dichloroethene	0.44			0.44	U	ug/L				NC	30
1,2-Dichloropropane	0.52			0.52	U	ug/L				NC	30
1,3-Dichloropropane	0.39			0.39	U	ug/L				NC	30
2,2-Dichloropropane	0.36			0.36	U	ug/L				NC	30
1,1-Dichloropropene	0.31			0.31	U	ug/L				NC	30
cis-1,3-Dichloropropene	0.14			0.14	U	ug/L				NC	30
trans-1,3-Dichloropropene	0.14			0.14	U	ug/L				NC	30
Ethylbenzene	0.44			0.44	U	ug/L				NC	30
Hexachlorobutadiene	0.40			0.40	U	ug/L				NC	30
Isopropylbenzene	0.19			0.19	U	ug/L				NC	30
4-Isopropyltoluene	0.69			0.69	U	ug/L				NC	30
Methylene Chloride	4.0			4.0	U	ug/L				NC	30
Naphthalene	2.5			2.5	U	ug/L				NC	30
N-Propylbenzene	0.59			0.59	U	ug/L				NC	30
Styrene	0.98			0.98	U	ug/L				NC	30
1,1,2,2-Tetrachloroethane	0.15			0.15	U	ug/L				NC	30
Tetrachloroethene	0.50			0.50	U	ug/L				NC	30
Toluene	1.0			1.0	U	ug/L				NC	30
1,2,3-Trichlorobenzene	0.77			0.77	U	ug/L				NC	30
1,2,4-Trichlorobenzene	0.58			0.58	U	ug/L				NC	30
1,1,1-Trichloroethane	0.46			0.46	U	ug/L				NC	30
1,1,2-Trichloroethane	0.47			0.47	U	ug/L				NC	30
Trichloroethene	3.5			3.45		ug/L				0	30
Trichlorofluoromethane	2.5			2.5	U	ug/L				NC	30
1,2,3-Trichloropropane	0.18			0.18	U	ug/L				NC	30
1,2,4-Trimethylbenzene	0.86			0.86	U	ug/L				NC	30
1,3,5-Trimethylbenzene	0.54			0.54	U	ug/L				NC	30
Vinyl chloride	0.50			0.50	U	ug/L				NC	30
o-Xylene	0.50			0.50	U	ug/L				NC	30
2-Butanone (MEK)	8.4			8.4	U	ug/L				NC	30
4-Methyl-2-pentanone (MIBK)	3.8			3.8	U	ug/L				NC	30
Carbon disulfide	1.0			1.0	U	ug/L				NC	30
2-Hexanone	4.4			4.4	U	ug/L				NC	30
Methyl tert-butyl ether	0.44			0.44	U	ug/L				NC	30
m-Xylene & p-Xylene	0.60			0.60	U	ug/L				NC	30

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
Toluene-d8 (Surr)	*98*		*70 - 130*
4-Bromofluorobenzene	*97*		*70 - 130*
Dibromofluoromethane	*100*		*70 - 130*

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44893-1

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Lab Sample ID: MB 660-118033/7 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 118033

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			11/29/11 09:41	1

Lab Sample ID: LCS 660-118033/4 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 118033

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,4-Dioxane			25.0	23.6		ug/L		94	50 - 150		

Lab Sample ID: 660-44866-B-1 MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 118033

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,4-Dioxane	150		125	322		ug/L		135	50 - 150		

Lab Sample ID: 660-44866-B-1 MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 118033

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dioxane	150		125	278		ug/L		99	50 - 150	15	50

QC Association Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44893-1

GC/MS VOA

Analysis Batch: 118033

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-44866-B-1 MS	Matrix Spike	Total/NA	Water	8260C _SIM/ID	
660-44866-B-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8260C _SIM/ID	
660-44893-1	Primary GAC Effluent 112911	Total/NA	Water	8260C _SIM/ID	
660-44893-2	Mid Process 112911	Total/NA	Water	8260C _SIM/ID	
LCS 660-118033/4	Lab Control Sample	Total/NA	Water	8260C _SIM/ID	
MB 660-118033/7	Method Blank	Total/NA	Water	8260C _SIM/ID	

Analysis Batch: 118091

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-44763-D-65 MS	Matrix Spike	Total/NA	Water	8260B	
660-44763-D-66 DU	Duplicate	Total/NA	Water	8260B	
660-44893-1	Primary GAC Effluent 112911	Total/NA	Water	8260B	
660-44893-2	Mid Process 112911	Total/NA	Water	8260B	
LCS 660-118091/3	Lab Control Sample	Total/NA	Water	8260B	
MB 660-118091/5	Method Blank	Total/NA	Water	8260B	

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44893-1

Client Sample ID: Primary GAC Effluent 112911

Lab Sample ID: 660-44893-1

Date Collected: 11/29/11 09:00

Matrix: Water

Date Received: 11/29/11 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C _SIM/ID		1	118033	11/29/11 16:27	AP	TAL TAM
Total/NA	Analysis	8260B		1	118091	11/30/11 09:46	EC	TAL TAM

Client Sample ID: Mid Process 112911

Lab Sample ID: 660-44893-2

Date Collected: 11/29/11 09:10

Matrix: Water

Date Received: 11/29/11 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C _SIM/ID		1	118033	11/29/11 16:48	AP	TAL TAM
Total/NA	Analysis	8260B		1	118091	11/30/11 10:05	EC	TAL TAM

Laboratory References:

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Certification Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44893-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Tampa	Alabama	State Program	4	40610
TestAmerica Tampa	Florida	NELAC	4	E84282
TestAmerica Tampa	Georgia	State Program	4	905
TestAmerica Tampa	USDA	USDA		P330-11-00177

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44893-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL TAM
8260C _SIM/ID	1,4-Dioxane by SIM/Isotopic Dilution	SW846	TAL TAM

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-44893-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
660-44893-1	Primary GAC Effluent 112911	Water	11/29/11 09:00	11/29/11 14:40
660-44893-2	Mid Process 112911	Water	11/29/11 09:10	11/29/11 14:40

Serial Number 018059

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

660-44893

TestAmerica Tampa
6712 Benjamin Road, Suite 100
Tampa, FL 33634
Website: www.testamericainc.com
Phone: (813) 885-7427
Fax: (813) 885-7049

Alternate Laboratory Name/Location
Phone:
Fax:

PROJECT REFERENCE: Tallevast Carbon OM	PROJECT NO.: —	PROJECT LOCATION (STATE): FL	PAGE 1 OF 1
SAMPLER'S SIGNATURE: Dan Fluor	P.O. NUMBER: 38055.0038.00009	CONTRACT NO.: —	STANDARD REPORT DELIVERY ○
CLIENT (SITE) PM: Don Sauda	CLIENT PHONE: 8137484874	CLIENT FAX:	DATE DUE:
CLIENT NAME: Arcadis	CLIENT E-MAIL: donald.sauda@arcadis-us.com		EXPEDITED REPORT DELIVERY (SURCHARGE) ● DATE DUE: 48 hrs
CLIENT ADDRESS: 1600 Tallevast Rd Sarasota, FL 34243			
COMPANY CONTRACTING THIS WORK (if applicable)			NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

REQUIRED ANALYSIS: 8260B/C SIM 1,4 D

PRESERVATIVE: AcC

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT...)	NUMBER OF CONTAINERS SUBMITTED	REMARKS
11-29-11	0900	Primary GAC Effluent	G	X				4	inf flow - 20.9
11-29-11	0910	Mid Process	G	X				4	sys flow - 20
									inf pH - 2.8
									eff pH - 6.6

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS			Dan Fluor	11-29-11	1330			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
EMPTY CONTAINERS Dan Fluor	11-28-11	0800	[illegible]	11-29-11	1330			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	TAMPA LOG NO.	COOLER TEMP. UPON RECEIPT	LABORATORY REMARKS
Carol McNulty	11/29/11	1440	YES ○ NO ○			3.7°C	4407

TAL8240-660 (0209)

11/30/2011

R625-EDC-002289-0

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 660-44893-1

Login Number: 44893
List Number: 1
Creator: McNulty, Carol

List Source: TestAmerica Tampa

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	3.7 degrees C Cu-07
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Tampa
6712 Benjamin Road
Suite 100
Tampa, FL 33634
Tel: (813)885-7427

TestAmerica Job ID: 660-45012-1
Client Project/Site: Tallevast Carbon OM

For:
ARCADIS U.S. Inc
6723 Towpath Road
PO BOX 66
Syracuse, New York 13214

Attn: Donald Sauda

Authorized for release by:
12/9/2011 12:01:58 PM

Tina Fritz
Project Manager II
tina.fritz@testamericainc.com

LINKS

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45012-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates that the compound was analyzed for but not detected.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 660-45012-1

Laboratory: TestAmerica Tampa

Narrative

Job Narrative
660-45012-1

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
No analytical or quality issues were noted.

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45012-1

Client Sample ID: Primary GAC Effluent 120611 — Lab Sample ID: 660-45012-1

No Detections

Client Sample ID: Mid Process 120611 — Lab Sample ID: 660-45012-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	16	I	20	9.9	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	11		1.0	0.52	ug/L	1		8260B	Total/NA

Client Sample ID: Primary GAC Effluent 120611
Date Collected: 12/06/11 07:40
Date Received: 12/06/11 12:10

Lab Sample ID: 660-45012-1
Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			12/06/11 18:03	1
Benzene	0.50	U	1.0	0.50	ug/L			12/06/11 18:03	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			12/06/11 18:03	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			12/06/11 18:03	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			12/06/11 18:03	1
Bromoform	0.58	U	1.0	0.58	ug/L			12/06/11 18:03	1
Bromomethane	2.5	U	5.0	2.5	ug/L			12/06/11 18:03	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			12/06/11 18:03	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			12/06/11 18:03	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			12/06/11 18:03	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			12/06/11 18:03	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			12/06/11 18:03	1
Chloroethane	2.5	U	5.0	2.5	ug/L			12/06/11 18:03	1
Chloroform	0.90	U	1.0	0.90	ug/L			12/06/11 18:03	1
Chloromethane	1.0	U	4.0	1.0	ug/L			12/06/11 18:03	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			12/06/11 18:03	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			12/06/11 18:03	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			12/06/11 18:03	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			12/06/11 18:03	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			12/06/11 18:03	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			12/06/11 18:03	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			12/06/11 18:03	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			12/06/11 18:03	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			12/06/11 18:03	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			12/06/11 18:03	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			12/06/11 18:03	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			12/06/11 18:03	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			12/06/11 18:03	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			12/06/11 18:03	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			12/06/11 18:03	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			12/06/11 18:03	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			12/06/11 18:03	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			12/06/11 18:03	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/06/11 18:03	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			12/06/11 18:03	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/06/11 18:03	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/06/11 18:03	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			12/06/11 18:03	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			12/06/11 18:03	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			12/06/11 18:03	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			12/06/11 18:03	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			12/06/11 18:03	1
Naphthalene	2.5	U	5.0	2.5	ug/L			12/06/11 18:03	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			12/06/11 18:03	1
Styrene	0.98	U	2.0	0.98	ug/L			12/06/11 18:03	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			12/06/11 18:03	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			12/06/11 18:03	1
Toluene	1.0	U	1.0	1.0	ug/L			12/06/11 18:03	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			12/06/11 18:03	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			12/06/11 18:03	1

Client Sample ID: Primary GAC Effluent 120611

Lab Sample ID: 660-45012-1

Date Collected: 12/06/11 07:40

Matrix: Water

Date Received: 12/06/11 12:10

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			12/06/11 18:03	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			12/06/11 18:03	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			12/06/11 18:03	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			12/06/11 18:03	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			12/06/11 18:03	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			12/06/11 18:03	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			12/06/11 18:03	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/06/11 18:03	1
o-Xylene	0.50	U	1.0	0.50	ug/L			12/06/11 18:03	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			12/06/11 18:03	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			12/06/11 18:03	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			12/06/11 18:03	1
2-Hexanone	4.4	U	10	4.4	ug/L			12/06/11 18:03	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			12/06/11 18:03	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			12/06/11 18:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*70 - 130*		*12/06/11 18:03*	*1*
4-Bromofluorobenzene	*101*		*70 - 130*		*12/06/11 18:03*	*1*
Dibromofluoromethane	*104*		*70 - 130*		*12/06/11 18:03*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			12/07/11 14:13	1

Client Sample ID: Mid Process 120611

Lab Sample ID: 660-45012-2

Date Collected: 12/06/11 07:50

Matrix: Water

Date Received: 12/06/11 12:10

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**16**	**I**	20	9.9	ug/L			12/06/11 18:37	1
Benzene	0.50	U	1.0	0.50	ug/L			12/06/11 18:37	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			12/06/11 18:37	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			12/06/11 18:37	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			12/06/11 18:37	1
Bromoform	0.58	U	1.0	0.58	ug/L			12/06/11 18:37	1
Bromomethane	2.5	U	5.0	2.5	ug/L			12/06/11 18:37	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			12/06/11 18:37	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			12/06/11 18:37	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			12/06/11 18:37	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			12/06/11 18:37	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			12/06/11 18:37	1
Chloroethane	2.5	U	5.0	2.5	ug/L			12/06/11 18:37	1
Chloroform	0.90	U	1.0	0.90	ug/L			12/06/11 18:37	1
Chloromethane	1.0	U	4.0	1.0	ug/L			12/06/11 18:37	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			12/06/11 18:37	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			12/06/11 18:37	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			12/06/11 18:37	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			12/06/11 18:37	1

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45012-1

Client Sample ID: Mid Process 120611
Date Collected: 12/06/11 07:50
Date Received: 12/06/11 12:10

Lab Sample ID: 660-45012-2
Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			12/06/11 18:37	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			12/06/11 18:37	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			12/06/11 18:37	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			12/06/11 18:37	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			12/06/11 18:37	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			12/06/11 18:37	1
1,1-Dichloroethane	**11**		1.0	0.52	ug/L			12/06/11 18:37	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			12/06/11 18:37	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			12/06/11 18:37	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			12/06/11 18:37	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			12/06/11 18:37	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			12/06/11 18:37	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			12/06/11 18:37	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			12/06/11 18:37	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/06/11 18:37	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			12/06/11 18:37	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/06/11 18:37	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/06/11 18:37	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			12/06/11 18:37	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			12/06/11 18:37	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			12/06/11 18:37	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			12/06/11 18:37	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			12/06/11 18:37	1
Naphthalene	2.5	U	5.0	2.5	ug/L			12/06/11 18:37	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			12/06/11 18:37	1
Styrene	0.98	U	2.0	0.98	ug/L			12/06/11 18:37	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			12/06/11 18:37	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			12/06/11 18:37	1
Toluene	1.0	U	1.0	1.0	ug/L			12/06/11 18:37	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			12/06/11 18:37	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			12/06/11 18:37	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			12/06/11 18:37	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			12/06/11 18:37	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			12/06/11 18:37	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			12/06/11 18:37	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			12/06/11 18:37	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			12/06/11 18:37	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			12/06/11 18:37	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/06/11 18:37	1
o-Xylene	0.50	U	1.0	0.50	ug/L			12/06/11 18:37	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			12/06/11 18:37	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			12/06/11 18:37	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			12/06/11 18:37	1
2-Hexanone	4.4	U	10	4.4	ug/L			12/06/11 18:37	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			12/06/11 18:37	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			12/06/11 18:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*70 - 130*		*12/06/11 18:37*	*1*
4-Bromofluorobenzene	*100*		*70 - 130*		*12/06/11 18:37*	*1*

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45012-1

Client Sample ID: Mid Process 120611
Date Collected: 12/06/11 07:50
Date Received: 12/06/11 12:10

Lab Sample ID: 660-45012-2
Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*100*		*70 - 130*		*12/06/11 18:37*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			12/07/11 14:35	1

Surrogate Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45012-1

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)
660-45012-1	Primary GAC Effluent 120611	102	101	104
660-45012-1 DU	Primary GAC Effluent 120611	103	99	99
660-45012-2	Mid Process 120611	101	100	100
660-45012-2 MS	Mid Process 120611	101	101	97
LCS 660-118358/5	Lab Control Sample	101	99	98
MB 660-118358/7	Method Blank	101	98	106

Surrogate Legend

TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane

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

Lab Sample ID: MB 660-118358/7
Matrix: Water
Analysis Batch: 118358

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			12/06/11 16:59	1
Benzene	0.50	U	1.0	0.50	ug/L			12/06/11 16:59	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			12/06/11 16:59	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			12/06/11 16:59	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			12/06/11 16:59	1
Bromoform	0.58	U	1.0	0.58	ug/L			12/06/11 16:59	1
Bromomethane	2.5	U	5.0	2.5	ug/L			12/06/11 16:59	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			12/06/11 16:59	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			12/06/11 16:59	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			12/06/11 16:59	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			12/06/11 16:59	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			12/06/11 16:59	1
Chloroethane	2.5	U	5.0	2.5	ug/L			12/06/11 16:59	1
Chloroform	0.90	U	1.0	0.90	ug/L			12/06/11 16:59	1
Chloromethane	1.0	U	4.0	1.0	ug/L			12/06/11 16:59	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			12/06/11 16:59	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			12/06/11 16:59	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			12/06/11 16:59	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			12/06/11 16:59	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			12/06/11 16:59	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			12/06/11 16:59	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			12/06/11 16:59	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			12/06/11 16:59	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			12/06/11 16:59	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			12/06/11 16:59	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			12/06/11 16:59	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			12/06/11 16:59	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			12/06/11 16:59	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			12/06/11 16:59	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			12/06/11 16:59	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			12/06/11 16:59	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			12/06/11 16:59	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			12/06/11 16:59	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/06/11 16:59	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			12/06/11 16:59	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/06/11 16:59	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/06/11 16:59	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			12/06/11 16:59	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			12/06/11 16:59	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			12/06/11 16:59	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			12/06/11 16:59	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			12/06/11 16:59	1
Naphthalene	2.5	U	5.0	2.5	ug/L			12/06/11 16:59	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			12/06/11 16:59	1
Styrene	0.98	U	2.0	0.98	ug/L			12/06/11 16:59	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			12/06/11 16:59	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			12/06/11 16:59	1
Toluene	1.0	U	1.0	1.0	ug/L			12/06/11 16:59	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			12/06/11 16:59	1

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

Lab Sample ID: MB 660-118358/7
Matrix: Water
Analysis Batch: 118358

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			12/06/11 16:59	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			12/06/11 16:59	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			12/06/11 16:59	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			12/06/11 16:59	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			12/06/11 16:59	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			12/06/11 16:59	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			12/06/11 16:59	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			12/06/11 16:59	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/06/11 16:59	1
o-Xylene	0.50	U	1.0	0.50	ug/L			12/06/11 16:59	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			12/06/11 16:59	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			12/06/11 16:59	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			12/06/11 16:59	1
2-Hexanone	4.4	U	10	4.4	ug/L			12/06/11 16:59	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			12/06/11 16:59	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			12/06/11 16:59	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*70 - 130*		*12/06/11 16:59*	*1*
4-Bromofluorobenzene	*98*		*70 - 130*		*12/06/11 16:59*	*1*
Dibromofluoromethane	*106*		*70 - 130*		*12/06/11 16:59*	*1*

Lab Sample ID: LCS 660-118358/5
Matrix: Water
Analysis Batch: 118358

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	40.0	40.9		ug/L		102	62 - 142
Benzene	20.0	19.6		ug/L		98	68 - 134
Bromobenzene	20.0	18.7		ug/L		94	70 - 130
Chlorobromomethane	20.0	18.9		ug/L		94	70 - 130
Dichlorobromomethane	20.0	19.7		ug/L		99	70 - 130
Bromoform	20.0	18.6		ug/L		93	65 - 130
Bromomethane	20.0	21.5		ug/L		108	22 - 150
n-Butylbenzene	20.0	19.9		ug/L		100	61 - 131
sec-Butylbenzene	20.0	19.9		ug/L		100	68 - 133
tert-Butylbenzene	20.0	20.2		ug/L		101	64 - 130
Carbon tetrachloride	20.0	19.0		ug/L		95	61 - 134
Chlorobenzene	20.0	19.4		ug/L		97	70 - 130
Chloroethane	20.0	20.1		ug/L		100	39 - 150
Chloroform	20.0	18.9		ug/L		95	68 - 130
Chloromethane	20.0	14.3		ug/L		72	35 - 150
2-Chlorotoluene	20.0	18.7		ug/L		93	70 - 130
4-Chlorotoluene	20.0	20.1		ug/L		100	70 - 130
Chlorodibromomethane	20.0	18.2		ug/L		91	70 - 130
1,2-Dibromo-3-Chloropropane	20.0	15.1		ug/L		75	63 - 130
Ethylene Dibromide	20.0	18.2		ug/L		91	66 - 130
Dibromomethane	20.0	18.7		ug/L		93	70 - 130
1,2-Dichlorobenzene	20.0	19.1		ug/L		95	70 - 130

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

Lab Sample ID: LCS 660-118358/5
Matrix: Water
Analysis Batch: 118358

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3-Dichlorobenzene	20.0	19.3		ug/L		96	70 - 130
1,4-Dichlorobenzene	20.0	19.2		ug/L		96	70 - 130
Dichlorodifluoromethane	20.0	11.2		ug/L		56	16 - 149
1,1-Dichloroethane	20.0	19.3		ug/L		96	66 - 130
1,2-Dichloroethane	20.0	19.2		ug/L		96	70 - 130
1,1,1,2-Tetrachloroethane	20.0	18.4		ug/L		92	70 - 130
1,1-Dichloroethene	20.0	14.1		ug/L		70	51 - 150
cis-1,2-Dichloroethene	20.0	19.5		ug/L		97	66 - 130
trans-1,2-Dichloroethene	20.0	18.0		ug/L		90	62 - 139
1,2-Dichloropropane	20.0	19.4		ug/L		97	70 - 130
1,3-Dichloropropane	20.0	18.7		ug/L		93	70 - 130
2,2-Dichloropropane	20.0	18.6		ug/L		93	66 - 134
1,1-Dichloropropene	20.0	19.8		ug/L		99	65 - 136
cis-1,3-Dichloropropene	20.0	19.9		ug/L		99	70 - 130
trans-1,3-Dichloropropene	20.0	19.1		ug/L		96	67 - 130
Ethylbenzene	20.0	19.9		ug/L		100	70 - 130
Hexachlorobutadiene	20.0	17.7		ug/L		89	62 - 143
Isopropylbenzene	20.0	20.1		ug/L		100	62 - 130
4-Isopropyltoluene	20.0	20.9		ug/L		105	65 - 134
Methylene Chloride	20.0	17.1		ug/L		86	57 - 130
Naphthalene	20.0	14.7		ug/L		74	50 - 136
N-Propylbenzene	20.0	19.9		ug/L		100	67 - 130
Styrene	20.0	19.8		ug/L		99	68 - 131
1,1,2,2-Tetrachloroethane	20.0	17.1		ug/L		86	70 - 130
Tetrachloroethene	20.0	18.6		ug/L		93	50 - 143
Toluene	20.0	18.7		ug/L		93	70 - 131
1,2,3-Trichlorobenzene	20.0	19.0		ug/L		95	58 - 132
1,2,4-Trichlorobenzene	20.0	16.7		ug/L		83	66 - 130
1,1,1-Trichloroethane	20.0	19.1		ug/L		96	63 - 132
1,1,2-Trichloroethane	20.0	18.1		ug/L		90	70 - 130
Trichloroethene	20.0	19.0		ug/L		95	63 - 139
Trichlorofluoromethane	20.0	25.8		ug/L		129	62 - 146
1,2,3-Trichloropropane	20.0	17.2		ug/L		86	66 - 130
1,2,4-Trimethylbenzene	20.0	19.6		ug/L		98	70 - 132
1,3,5-Trimethylbenzene	20.0	20.1		ug/L		100	65 - 134
Vinyl chloride	20.0	19.6		ug/L		98	48 - 147
o-Xylene	20.0	19.0		ug/L		95	69 - 130
2-Butanone (MEK)	40.0	34.8		ug/L		87	63 - 140
4-Methyl-2-pentanone (MIBK)	40.0	33.6		ug/L		84	64 - 137
Carbon disulfide	40.0	44.0		ug/L		110	30 - 150
2-Hexanone	40.0	34.1		ug/L		85	60 - 148
Methyl tert-butyl ether	40.0	41.5		ug/L		104	67 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*101*		*70 - 130*
4-Bromofluorobenzene	*99*		*70 - 130*
Dibromofluoromethane	*98*		*70 - 130*

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

Lab Sample ID: 660-45012-2 MS
Matrix: Water
Analysis Batch: 118358

Client Sample ID: Mid Process 120611
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	16	I	40.0	47.2		ug/L		79	62 - 142
Benzene	0.50	U	20.0	18.7		ug/L		94	68 - 134
Bromobenzene	0.58	U	20.0	18.2		ug/L		91	70 - 130
Chlorobromomethane	0.58	U	20.0	18.9		ug/L		95	70 - 130
Dichlorobromomethane	0.35	U	20.0	19.9		ug/L		100	70 - 130
Bromoform	0.58	U	20.0	18.7		ug/L		93	65 - 130
Bromomethane	2.5	U	20.0	20.8		ug/L		104	22 - 150
n-Butylbenzene	0.67	U	20.0	18.8		ug/L		94	61 - 131
sec-Butylbenzene	0.63	U	20.0	18.7		ug/L		94	68 - 133
tert-Butylbenzene	0.84	U	20.0	18.2		ug/L		91	64 - 130
Carbon tetrachloride	0.42	U	20.0	18.4		ug/L		92	61 - 134
Chlorobenzene	0.63	U	20.0	19.5		ug/L		98	70 - 130
Chloroethane	2.5	U	20.0	15.8		ug/L		79	39 - 150
Chloroform	0.90	U	20.0	17.9		ug/L		89	68 - 130
Chloromethane	1.0	U	20.0	13.3		ug/L		67	35 - 150
2-Chlorotoluene	0.65	U	20.0	18.8		ug/L		94	70 - 130
4-Chlorotoluene	0.52	U	20.0	18.7		ug/L		93	70 - 130
Chlorodibromomethane	0.34	U	20.0	18.8		ug/L		94	70 - 130
1,2-Dibromo-3-Chloropropane	2.5	U	20.0	15.8		ug/L		79	63 - 130
Ethylene Dibromide	0.50	U	20.0	18.2		ug/L		91	66 - 130
Dibromomethane	0.41	U	20.0	19.0		ug/L		95	70 - 130
1,2-Dichlorobenzene	0.44	U	20.0	19.5		ug/L		98	70 - 130
1,3-Dichlorobenzene	0.64	U	20.0	20.0		ug/L		100	70 - 130
1,4-Dichlorobenzene	0.52	U	20.0	18.2		ug/L		91	70 - 130
Dichlorodifluoromethane	2.5	U	20.0	10.5		ug/L		53	16 - 149
1,1-Dichloroethane	11		20.0	27.9		ug/L		85	66 - 130
1,2-Dichloroethane	0.57	U	20.0	19.8		ug/L		99	70 - 130
1,1,1,2-Tetrachloroethane	0.63	U	20.0	18.8		ug/L		94	70 - 130
1,1-Dichloroethene	0.45	U	20.0	12.1		ug/L		61	51 - 150
cis-1,2-Dichloroethene	0.65	U	20.0	18.2		ug/L		91	66 - 130
trans-1,2-Dichloroethene	0.44	U	20.0	17.5		ug/L		87	62 - 139
1,2-Dichloropropane	0.52	U	20.0	19.8		ug/L		99	70 - 130
1,3-Dichloropropane	0.39	U	20.0	19.4		ug/L		97	70 - 130
2,2-Dichloropropane	0.36	U	20.0	18.1		ug/L		91	66 - 134
1,1-Dichloropropene	0.31	U	20.0	18.0		ug/L		90	65 - 136
cis-1,3-Dichloropropene	0.14	U	20.0	19.8		ug/L		99	70 - 130
trans-1,3-Dichloropropene	0.14	U	20.0	19.3		ug/L		97	67 - 130
Ethylbenzene	0.44	U	20.0	19.8		ug/L		99	70 - 130
Hexachlorobutadiene	0.40	U	20.0	17.5		ug/L		88	62 - 143
Isopropylbenzene	0.19	U	20.0	19.9		ug/L		100	62 - 130
4-Isopropyltoluene	0.69	U	20.0	19.2		ug/L		96	65 - 134
Methylene Chloride	4.0	U	20.0	18.6		ug/L		93	57 - 130
Naphthalene	2.5	U	20.0	14.1		ug/L		71	50 - 136
N-Propylbenzene	0.59	U	20.0	18.5		ug/L		93	67 - 130
Styrene	0.98	U	20.0	16.2		ug/L		81	68 - 131
1,1,2,2-Tetrachloroethane	0.15	U	20.0	18.1		ug/L		91	70 - 130
Tetrachloroethene	0.50	U	20.0	18.1		ug/L		90	50 - 143
Toluene	1.0	U	20.0	18.4		ug/L		92	70 - 131
1,2,3-Trichlorobenzene	0.77	U	20.0	19.6		ug/L		98	58 - 132

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

Lab Sample ID: 660-45012-2 MS
Matrix: Water
Analysis Batch: 118358

Client Sample ID: Mid Process 120611
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	0.58	U	20.0	17.0		ug/L		85	66 - 130
1,1,1-Trichloroethane	0.46	U	20.0	18.5		ug/L		92	63 - 132
1,1,2-Trichloroethane	0.47	U	20.0	19.2		ug/L		96	70 - 130
Trichloroethene	0.50	U	20.0	17.1		ug/L		85	63 - 139
Trichlorofluoromethane	2.5	U	20.0	24.1		ug/L		120	62 - 146
1,2,3-Trichloropropane	0.18	U	20.0	18.1		ug/L		90	66 - 130
1,2,4-Trimethylbenzene	0.86	U	20.0	16.4		ug/L		82	70 - 132
1,3,5-Trimethylbenzene	0.54	U	20.0	17.4		ug/L		87	65 - 134
Vinyl chloride	0.50	U	20.0	17.8		ug/L		89	48 - 147
o-Xylene	0.50	U	20.0	19.2		ug/L		96	69 - 130
2-Butanone (MEK)	8.4	U	40.0	36.0		ug/L		90	63 - 140
4-Methyl-2-pentanone (MIBK)	3.8	U	40.0	39.0		ug/L		97	64 - 137
Carbon disulfide	1.0	U	40.0	39.5		ug/L		99	30 - 150
2-Hexanone	4.4	U	40.0	38.0		ug/L		95	60 - 148
Methyl tert-butyl ether	0.44	U	40.0	38.8		ug/L		97	67 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*101*		*70 - 130*
4-Bromofluorobenzene	*101*		*70 - 130*
Dibromofluoromethane	*97*		*70 - 130*

Lab Sample ID: 660-45012-1 DU
Matrix: Water
Analysis Batch: 118358

Client Sample ID: Primary GAC Effluent 120611
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Acetone	9.9	U	9.9	U	ug/L		NC	30
Benzene	0.50	U	0.50	U	ug/L		NC	30
Bromobenzene	0.58	U	0.58	U	ug/L		NC	30
Chlorobromomethane	0.58	U	0.58	U	ug/L		NC	30
Dichlorobromomethane	0.35	U	0.35	U	ug/L		NC	30
Bromoform	0.58	U	0.58	U	ug/L		NC	30
Bromomethane	2.5	U	2.5	U	ug/L		NC	30
n-Butylbenzene	0.67	U	0.67	U	ug/L		NC	30
sec-Butylbenzene	0.63	U	0.63	U	ug/L		NC	30
tert-Butylbenzene	0.84	U	0.84	U	ug/L		NC	30
Carbon tetrachloride	0.42	U	0.42	U	ug/L		NC	30
Chlorobenzene	0.63	U	0.63	U	ug/L		NC	30
Chloroethane	2.5	U	2.5	U	ug/L		NC	30
Chloroform	0.90	U	0.90	U	ug/L		NC	30
Chloromethane	1.0	U	1.0	U	ug/L		NC	30
2-Chlorotoluene	0.65	U	0.65	U	ug/L		NC	30
4-Chlorotoluene	0.52	U	0.52	U	ug/L		NC	30
Chlorodibromomethane	0.34	U	0.34	U	ug/L		NC	30
1,2-Dibromo-3-Chloropropane	2.5	U	2.5	U	ug/L		NC	30
Ethylene Dibromide	0.50	U	0.50	U	ug/L		NC	30
Dibromomethane	0.41	U	0.41	U	ug/L		NC	30
1,2-Dichlorobenzene	0.44	U	0.44	U	ug/L		NC	30
1,3-Dichlorobenzene	0.64	U	0.64	U	ug/L		NC	30

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

Lab Sample ID: 660-45012-1 DU
Matrix: Water
Analysis Batch: 118358

Client Sample ID: Primary GAC Effluent 120611
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
1,4-Dichlorobenzene	0.52	U		0.52	U	ug/L				NC	30
Dichlorodifluoromethane	2.5	U		2.5	U	ug/L				NC	30
1,1-Dichloroethane	0.52	U		0.52	U	ug/L				NC	30
1,2-Dichloroethane	0.57	U		0.57	U	ug/L				NC	30
1,1,1,2-Tetrachloroethane	0.63	U		0.63	U	ug/L				NC	30
1,1-Dichloroethene	0.45	U		0.45	U	ug/L				NC	30
cis-1,2-Dichloroethene	0.65	U		0.65	U	ug/L				NC	30
trans-1,2-Dichloroethene	0.44	U		0.44	U	ug/L				NC	30
1,2-Dichloropropane	0.52	U		0.52	U	ug/L				NC	30
1,3-Dichloropropane	0.39	U		0.39	U	ug/L				NC	30
2,2-Dichloropropane	0.36	U		0.36	U	ug/L				NC	30
1,1-Dichloropropene	0.31	U		0.31	U	ug/L				NC	30
cis-1,3-Dichloropropene	0.14	U		0.14	U	ug/L				NC	30
trans-1,3-Dichloropropene	0.14	U		0.14	U	ug/L				NC	30
Ethylbenzene	0.44	U		0.44	U	ug/L				NC	30
Hexachlorobutadiene	0.40	U		0.40	U	ug/L				NC	30
Isopropylbenzene	0.19	U		0.19	U	ug/L				NC	30
4-Isopropyltoluene	0.69	U		0.69	U	ug/L				NC	30
Methylene Chloride	4.0	U		4.0	U	ug/L				NC	30
Naphthalene	2.5	U		2.5	U	ug/L				NC	30
N-Propylbenzene	0.59	U		0.59	U	ug/L				NC	30
Styrene	0.98	U		0.98	U	ug/L				NC	30
1,1,2,2-Tetrachloroethane	0.15	U		0.15	U	ug/L				NC	30
Tetrachloroethene	0.50	U		0.50	U	ug/L				NC	30
Toluene	1.0	U		1.0	U	ug/L				NC	30
1,2,3-Trichlorobenzene	0.77	U		0.77	U	ug/L				NC	30
1,2,4-Trichlorobenzene	0.58	U		0.58	U	ug/L				NC	30
1,1,1-Trichloroethane	0.46	U		0.46	U	ug/L				NC	30
1,1,2-Trichloroethane	0.47	U		0.47	U	ug/L				NC	30
Trichloroethene	0.50	U		0.50	U	ug/L				NC	30
Trichlorofluoromethane	2.5	U		2.5	U	ug/L				NC	30
1,2,3-Trichloropropane	0.18	U		0.18	U	ug/L				NC	30
1,2,4-Trimethylbenzene	0.86	U		0.86	U	ug/L				NC	30
1,3,5-Trimethylbenzene	0.54	U		0.54	U	ug/L				NC	30
Vinyl chloride	0.50	U		0.50	U	ug/L				NC	30
o-Xylene	0.50	U		0.50	U	ug/L				NC	30
2-Butanone (MEK)	8.4	U		8.4	U	ug/L				NC	30
4-Methyl-2-pentanone (MIBK)	3.8	U		3.8	U	ug/L				NC	30
Carbon disulfide	1.0	U		1.0	U	ug/L				NC	30
2-Hexanone	4.4	U		4.4	U	ug/L				NC	30
Methyl tert-butyl ether	0.44	U		0.44	U	ug/L				NC	30
m-Xylene & p-Xylene	0.60	U		0.60	U	ug/L				NC	30

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
Toluene-d8 (Surr)	*103*		*70 - 130*
4-Bromofluorobenzene	*99*		*70 - 130*
Dibromofluoromethane	*99*		*70 - 130*

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45012-1

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Lab Sample ID: MB 660-118375/6 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 118375

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			12/07/11 09:07	1

Lab Sample ID: LCS 660-118375/4 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 118375

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,4-Dioxane			25.0	21.7		ug/L		87	50 - 150		

Lab Sample ID: 660-44938-D-1 MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 118375

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,4-Dioxane	1.0	U	25.0	20.1		ug/L		80	50 - 150		

Lab Sample ID: 660-44938-D-1 MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 118375

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dioxane	1.0	U	25.0	21.3		ug/L		85	50 - 150	6	50

QC Association Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45012-1

GC/MS VOA

Analysis Batch: 118358

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-45012-1	Primary GAC Effluent 120611	Total/NA	Water	8260B	
660-45012-1 DU	Primary GAC Effluent 120611	Total/NA	Water	8260B	
660-45012-2	Mid Process 120611	Total/NA	Water	8260B	
660-45012-2 MS	Mid Process 120611	Total/NA	Water	8260B	
LCS 660-118358/5	Lab Control Sample	Total/NA	Water	8260B	
MB 660-118358/7	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 118375

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-44938-D-1 MS	Matrix Spike	Total/NA	Water	8260C _SIM/ID	
660-44938-D-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8260C _SIM/ID	
660-45012-1	Primary GAC Effluent 120611	Total/NA	Water	8260C _SIM/ID	
660-45012-2	Mid Process 120611	Total/NA	Water	8260C _SIM/ID	
LCS 660-118375/4	Lab Control Sample	Total/NA	Water	8260C _SIM/ID	
MB 660-118375/6	Method Blank	Total/NA	Water	8260C _SIM/ID	

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45012-1

Client Sample ID: Primary GAC Effluent 120611

Lab Sample ID: 660-45012-1

Date Collected: 12/06/11 07:40

Matrix: Water

Date Received: 12/06/11 12:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	118358	12/06/11 18:03	RM	TAL TAM
Total/NA	Analysis	8260C _SIM/ID		1	118375	12/07/11 14:13	AP	TAL TAM

Client Sample ID: Mid Process 120611

Lab Sample ID: 660-45012-2

Date Collected: 12/06/11 07:50

Matrix: Water

Date Received: 12/06/11 12:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	118358	12/06/11 18:37	RM	TAL TAM
Total/NA	Analysis	8260C _SIM/ID		1	118375	12/07/11 14:35	AP	TAL TAM

Laboratory References:

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Certification Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45012-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Tampa	Alabama	State Program	4	40610
TestAmerica Tampa	Florida	NELAC	4	E84282
TestAmerica Tampa	Georgia	State Program	4	905
TestAmerica Tampa	USDA	USDA		P330-11-00177

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45012-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL TAM
8260C _SIM/ID	1,4-Dioxane by SIM/Isotopic Dilution	SW846	TAL TAM

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45012-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
660-45012-1	Primary GAC Effluent 120611	Water	12/06/11 07:40	12/06/11 12:10
660-45012-2	Mid Process 120611	Water	12/06/11 07:50	12/06/11 12:10

Serial Number 018055

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

660-45012

TestAmerica Tampa
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Alternate Laboratory Name/Location

Phone:
Fax:

12/9/2011

PROJECT REFERENCE: Tallevast Carbon OM	PROJECT NO.: —	PROJECT LOCATION (STATE): FL	PAGE 1 OF 1
SAMPLER'S SIGNATURE: [signature]	P.O. NUMBER: 38055.0038.00009	CONTRACT NO.:	STANDARD REPORT DELIVERY ○
CLIENT (SITE) PM: Don Sauda	CLIENT PHONE: 8137484874	CLIENT FAX: —	DATE DUE:
CLIENT NAME: Arcadis	CLIENT E-MAIL: donald.sauda@arcadis-us.com		EXPEDITED REPORT DELIVERY (SURCHARGE) ⊘
CLIENT ADDRESS: 1600 Tallevast Rd Sarasota, FL 34243			DATE DUE: 48 hrs
COMPANY CONTRACTING THIS WORK (if applicable): LMC			NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

MATRIX TYPE (COMPOSITE (C) OR GRAB (G) INDICATE): AQUEOUS (WATER); SOLID OR SEMISOLID; AIR; NONAQUEOUS LIQUID (OIL, SOLVENT....)

REQUIRED ANALYSIS: 8260 B/C Sim ID

PRESERVATIVE: HCL

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G)	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT....)	NUMBER OF CONTAINERS SUBMITTED	REMARKS
12-6-11	0740	Primary GAC Effluent	G	X				4	inf flow - 20.0
12-6-11	0750	Mid Process	G	X				4	sys flow - 22
									inf pH - 2.8
									eff pH - 5.9

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS			[signature]	12-6-11	1210			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
[signature] EMPTY CONTAINERS	11-28-11	0800	[signature]	12-6-11	1210			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	TAMPA LOG NO.	COOLER TEMP. UPON RECEIPT	LABORATORY REMARKS
			YES ○ NO ○			1.0 4.0 Cu-07	

TAL8240-660 (0209)

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R625-EDC-002289-0

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 660-45012-1

Login Number: 45012
List Number: 1
Creator: Redding, Charles S

List Source: TestAmerica Tampa

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	1.0, 4.0 degrees C Cu-07
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Tampa
6712 Benjamin Road
Suite 100
Tampa, FL 33634
Tel: (813)885-7427

TestAmerica Job ID: 660-45013-1
Client Project/Site: Tallevast Compliance

For:
ARCADIS U.S. Inc
6723 Towpath Road
PO BOX 66
Syracuse, New York 13214

Attn: Donald Sauda

Authorized for release by:
12/9/2011 12:09:14 PM

Tina Fritz
Project Manager II
tina.fritz@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates that the compound was analyzed for but not detected.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

Metals

Qualifier	Qualifier Description
U	Indicates that the compound was analyzed for but not detected.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 660-45013-1

Laboratory: TestAmerica Tampa

Narrative

Job Narrative
660-45013-1

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
No analytical or quality issues were noted.

Metals
No analytical or quality issues were noted.

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Compliance

TestAmerica Job ID: 660-45013-1

Client Sample ID: Effluent 120611 — Lab Sample ID: 660-45013-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	2.0		0.20	0.050	mg/L	1		6010B	Total Recovera
Nickel	0.0052	I	0.0080	0.0020	mg/L	1		6010B	Total Recovera

Client Sample ID: Combined Influent 120611 — Lab Sample ID: 660-45013-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	34		1.0	0.52	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	130		1.0	0.45	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	16		1.0	0.65	ug/L	1		8260B	Total/NA
Tetrachloroethene	21		1.0	0.50	ug/L	1		8260B	Total/NA
Vinyl chloride	0.93	I	1.0	0.50	ug/L	1		8260B	Total/NA
Trichloroethene - DL	150		10	5.0	ug/L	10		8260B	Total/NA
1,4-Dioxane	130		20	10	ug/L	10		8260C _SIM/ID	Total/NA
Aluminum	0.081	I	0.20	0.050	mg/L	1		6010B	Total Recovera
Iron	11		0.20	0.050	mg/L	1		6010B	Total Recovera
Nickel	0.0032	I	0.0080	0.0020	mg/L	1		6010B	Total Recovera

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Compliance

TestAmerica Job ID: 660-45013-1

Client Sample ID: Effluent 120611

Date Collected: 12/06/11 07:20
Date Received: 12/06/11 12:10

Lab Sample ID: 660-45013-1

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			12/06/11 18:07	1
Benzene	0.50	U	1.0	0.50	ug/L			12/06/11 18:07	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			12/06/11 18:07	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			12/06/11 18:07	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			12/06/11 18:07	1
Bromoform	0.58	U	1.0	0.58	ug/L			12/06/11 18:07	1
Bromomethane	2.5	U	5.0	2.5	ug/L			12/06/11 18:07	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			12/06/11 18:07	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			12/06/11 18:07	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			12/06/11 18:07	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			12/06/11 18:07	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			12/06/11 18:07	1
Chloroethane	2.5	U	5.0	2.5	ug/L			12/06/11 18:07	1
Chloroform	0.90	U	1.0	0.90	ug/L			12/06/11 18:07	1
Chloromethane	1.0	U	4.0	1.0	ug/L			12/06/11 18:07	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			12/06/11 18:07	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			12/06/11 18:07	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			12/06/11 18:07	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			12/06/11 18:07	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			12/06/11 18:07	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			12/06/11 18:07	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			12/06/11 18:07	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			12/06/11 18:07	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			12/06/11 18:07	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			12/06/11 18:07	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			12/06/11 18:07	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			12/06/11 18:07	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			12/06/11 18:07	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			12/06/11 18:07	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			12/06/11 18:07	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			12/06/11 18:07	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			12/06/11 18:07	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			12/06/11 18:07	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/06/11 18:07	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			12/06/11 18:07	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/06/11 18:07	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/06/11 18:07	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			12/06/11 18:07	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			12/06/11 18:07	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			12/06/11 18:07	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			12/06/11 18:07	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			12/06/11 18:07	1
Naphthalene	2.5	U	5.0	2.5	ug/L			12/06/11 18:07	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			12/06/11 18:07	1
Styrene	0.98	U	2.0	0.98	ug/L			12/06/11 18:07	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			12/06/11 18:07	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			12/06/11 18:07	1
Toluene	1.0	U	1.0	1.0	ug/L			12/06/11 18:07	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			12/06/11 18:07	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			12/06/11 18:07	1

Client Sample ID: Effluent 120611

Lab Sample ID: 660-45013-1

Date Collected: 12/06/11 07:20

Matrix: Water

Date Received: 12/06/11 12:10

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			12/06/11 18:07	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			12/06/11 18:07	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			12/06/11 18:07	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			12/06/11 18:07	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			12/06/11 18:07	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			12/06/11 18:07	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			12/06/11 18:07	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/06/11 18:07	1
o-Xylene	0.50	U	1.0	0.50	ug/L			12/06/11 18:07	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			12/06/11 18:07	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			12/06/11 18:07	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			12/06/11 18:07	1
2-Hexanone	4.4	U	10	4.4	ug/L			12/06/11 18:07	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			12/06/11 18:07	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			12/06/11 18:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*70 - 130*		*12/06/11 18:07*	*1*
4-Bromofluorobenzene	*99*		*70 - 130*		*12/06/11 18:07*	*1*
Dibromofluoromethane	*98*		*70 - 130*		*12/06/11 18:07*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			12/07/11 13:51	1

Method: 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.050	U	0.20	0.050	mg/L		12/07/11 07:17	12/07/11 13:21	1
Arsenic	0.0040	U	0.010	0.0040	mg/L		12/07/11 07:17	12/07/11 13:21	1
Beryllium	0.00050	U	0.0020	0.00050	mg/L		12/07/11 07:17	12/07/11 13:21	1
Cadmium	0.0010	U	0.0040	0.0010	mg/L		12/07/11 07:17	12/07/11 13:21	1
Chromium	0.0020	U	0.010	0.0020	mg/L		12/07/11 07:17	12/07/11 13:21	1
Copper	0.0029	U	0.010	0.0029	mg/L		12/07/11 07:17	12/07/11 13:21	1
Iron	**2.0**		0.20	0.050	mg/L		12/07/11 07:17	12/07/11 13:21	1
Nickel	**0.0052**	**I**	0.0080	0.0020	mg/L		12/07/11 07:17	12/07/11 13:21	1
Lead	0.0020	U	0.010	0.0020	mg/L		12/07/11 07:17	12/07/11 13:21	1
Zinc	0.0050	U	0.020	0.0050	mg/L		12/07/11 07:17	12/07/11 13:21	1

Client Sample ID: Combined Influent 120611

Lab Sample ID: 660-45013-2

Date Collected: 12/06/11 07:30

Matrix: Water

Date Received: 12/06/11 12:10

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			12/07/11 00:52	1
Benzene	0.50	U	1.0	0.50	ug/L			12/07/11 00:52	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			12/07/11 00:52	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			12/07/11 00:52	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			12/07/11 00:52	1
Bromoform	0.58	U	1.0	0.58	ug/L			12/07/11 00:52	1

Client Sample ID: Combined Influent 120611
Date Collected: 12/06/11 07:30
Date Received: 12/06/11 12:10

Lab Sample ID: 660-45013-2
Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	2.5	U	5.0	2.5	ug/L			12/07/11 00:52	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			12/07/11 00:52	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			12/07/11 00:52	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			12/07/11 00:52	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			12/07/11 00:52	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			12/07/11 00:52	1
Chloroethane	2.5	U	5.0	2.5	ug/L			12/07/11 00:52	1
Chloroform	0.90	U	1.0	0.90	ug/L			12/07/11 00:52	1
Chloromethane	1.0	U	4.0	1.0	ug/L			12/07/11 00:52	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			12/07/11 00:52	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			12/07/11 00:52	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			12/07/11 00:52	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			12/07/11 00:52	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			12/07/11 00:52	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			12/07/11 00:52	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			12/07/11 00:52	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			12/07/11 00:52	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			12/07/11 00:52	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			12/07/11 00:52	1
1,1-Dichloroethane	**34**		1.0	0.52	ug/L			12/07/11 00:52	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			12/07/11 00:52	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			12/07/11 00:52	1
1,1-Dichloroethene	**130**		1.0	0.45	ug/L			12/07/11 00:52	1
cis-1,2-Dichloroethene	**16**		1.0	0.65	ug/L			12/07/11 00:52	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			12/07/11 00:52	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			12/07/11 00:52	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			12/07/11 00:52	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/07/11 00:52	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			12/07/11 00:52	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/07/11 00:52	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/07/11 00:52	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			12/07/11 00:52	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			12/07/11 00:52	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			12/07/11 00:52	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			12/07/11 00:52	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			12/07/11 00:52	1
Naphthalene	2.5	U	5.0	2.5	ug/L			12/07/11 00:52	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			12/07/11 00:52	1
Styrene	0.98	U	2.0	0.98	ug/L			12/07/11 00:52	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			12/07/11 00:52	1
Tetrachloroethene	**21**		1.0	0.50	ug/L			12/07/11 00:52	1
Toluene	1.0	U	1.0	1.0	ug/L			12/07/11 00:52	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			12/07/11 00:52	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			12/07/11 00:52	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			12/07/11 00:52	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			12/07/11 00:52	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			12/07/11 00:52	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			12/07/11 00:52	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			12/07/11 00:52	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			12/07/11 00:52	1

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Compliance

TestAmerica Job ID: 660-45013-1

Client Sample ID: Combined Influent 120611

Date Collected: 12/06/11 07:30
Date Received: 12/06/11 12:10

Lab Sample ID: 660-45013-2

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**0.93**	**I**	1.0	0.50	ug/L			12/07/11 00:52	1
o-Xylene	0.50	U	1.0	0.50	ug/L			12/07/11 00:52	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			12/07/11 00:52	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			12/07/11 00:52	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			12/07/11 00:52	1
2-Hexanone	4.4	U	10	4.4	ug/L			12/07/11 00:52	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			12/07/11 00:52	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			12/07/11 00:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*70 - 130*		*12/07/11 00:52*	*1*
4-Bromofluorobenzene	*100*		*70 - 130*		*12/07/11 00:52*	*1*
Dibromofluoromethane	*98*		*70 - 130*		*12/07/11 00:52*	*1*

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	**150**		10	5.0	ug/L			12/07/11 00:30	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*70 - 130*		*12/07/11 00:30*	*10*
4-Bromofluorobenzene	*99*		*70 - 130*		*12/07/11 00:30*	*10*
Dibromofluoromethane	*94*		*70 - 130*		*12/07/11 00:30*	*10*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**130**		20	10	ug/L			12/07/11 14:57	10

Method: 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.081**	**I**	0.20	0.050	mg/L		12/07/11 07:17	12/07/11 13:34	1
Arsenic	0.0040	U	0.010	0.0040	mg/L		12/07/11 07:17	12/07/11 13:34	1
Beryllium	0.00050	U	0.0020	0.00050	mg/L		12/07/11 07:17	12/07/11 13:34	1
Cadmium	0.0010	U	0.0040	0.0010	mg/L		12/07/11 07:17	12/07/11 13:34	1
Chromium	0.0020	U	0.010	0.0020	mg/L		12/07/11 07:17	12/07/11 13:34	1
Copper	0.0029	U	0.010	0.0029	mg/L		12/07/11 07:17	12/07/11 13:34	1
Iron	**11**		0.20	0.050	mg/L		12/07/11 07:17	12/07/11 13:34	1
Nickel	**0.0032**	**I**	0.0080	0.0020	mg/L		12/07/11 07:17	12/07/11 13:34	1
Lead	0.0020	U	0.010	0.0020	mg/L		12/07/11 07:17	12/07/11 13:34	1
Zinc	0.0050	U	0.020	0.0050	mg/L		12/07/11 07:17	12/07/11 13:34	1

Surrogate Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Compliance

TestAmerica Job ID: 660-45013-1

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)
660-44974-B-2 MS	Matrix Spike	100	98	100
660-45013-1	Effluent 120611	100	99	98
660-45013-1 DU	Effluent 120611	100	100	97
660-45013-2 - DL	Combined Influent 120611	100	99	94
660-45013-2	Combined Influent 120611	101	100	98
LCS 660-118372/3	Lab Control Sample	99	105	100
MB 660-118372/6	Method Blank	100	99	97

Surrogate Legend

TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane

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

Lab Sample ID: MB 660-118372/6
Matrix: Water
Analysis Batch: 118372

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			12/06/11 17:00	1
Benzene	0.50	U	1.0	0.50	ug/L			12/06/11 17:00	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			12/06/11 17:00	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			12/06/11 17:00	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			12/06/11 17:00	1
Bromoform	0.58	U	1.0	0.58	ug/L			12/06/11 17:00	1
Bromomethane	2.5	U	5.0	2.5	ug/L			12/06/11 17:00	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			12/06/11 17:00	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			12/06/11 17:00	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			12/06/11 17:00	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			12/06/11 17:00	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			12/06/11 17:00	1
Chloroethane	2.5	U	5.0	2.5	ug/L			12/06/11 17:00	1
Chloroform	0.90	U	1.0	0.90	ug/L			12/06/11 17:00	1
Chloromethane	1.0	U	4.0	1.0	ug/L			12/06/11 17:00	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			12/06/11 17:00	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			12/06/11 17:00	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			12/06/11 17:00	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			12/06/11 17:00	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			12/06/11 17:00	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			12/06/11 17:00	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			12/06/11 17:00	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			12/06/11 17:00	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			12/06/11 17:00	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			12/06/11 17:00	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			12/06/11 17:00	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			12/06/11 17:00	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			12/06/11 17:00	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			12/06/11 17:00	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			12/06/11 17:00	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			12/06/11 17:00	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			12/06/11 17:00	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			12/06/11 17:00	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/06/11 17:00	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			12/06/11 17:00	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/06/11 17:00	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/06/11 17:00	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			12/06/11 17:00	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			12/06/11 17:00	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			12/06/11 17:00	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			12/06/11 17:00	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			12/06/11 17:00	1
Naphthalene	2.5	U	5.0	2.5	ug/L			12/06/11 17:00	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			12/06/11 17:00	1
Styrene	0.98	U	2.0	0.98	ug/L			12/06/11 17:00	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			12/06/11 17:00	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			12/06/11 17:00	1
Toluene	1.0	U	1.0	1.0	ug/L			12/06/11 17:00	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			12/06/11 17:00	1

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

Lab Sample ID: MB 660-118372/6
Matrix: Water
Analysis Batch: 118372

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			12/06/11 17:00	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			12/06/11 17:00	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			12/06/11 17:00	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			12/06/11 17:00	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			12/06/11 17:00	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			12/06/11 17:00	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			12/06/11 17:00	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			12/06/11 17:00	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/06/11 17:00	1
o-Xylene	0.50	U	1.0	0.50	ug/L			12/06/11 17:00	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			12/06/11 17:00	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			12/06/11 17:00	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			12/06/11 17:00	1
2-Hexanone	4.4	U	10	4.4	ug/L			12/06/11 17:00	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			12/06/11 17:00	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			12/06/11 17:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*70 - 130*		*12/06/11 17:00*	*1*
4-Bromofluorobenzene	*99*		*70 - 130*		*12/06/11 17:00*	*1*
Dibromofluoromethane	*97*		*70 - 130*		*12/06/11 17:00*	*1*

Lab Sample ID: LCS 660-118372/3
Matrix: Water
Analysis Batch: 118372

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	40.0	43.7		ug/L		109	62 - 142
Benzene	20.0	19.3		ug/L		96	68 - 134
Bromobenzene	20.0	19.2		ug/L		96	70 - 130
Chlorobromomethane	20.0	19.0		ug/L		95	70 - 130
Dichlorobromomethane	20.0	19.4		ug/L		97	70 - 130
Bromoform	20.0	22.0		ug/L		110	65 - 130
Bromomethane	20.0	26.8		ug/L		134	22 - 150
n-Butylbenzene	20.0	20.3		ug/L		101	61 - 131
sec-Butylbenzene	20.0	19.6		ug/L		98	68 - 133
tert-Butylbenzene	20.0	19.3		ug/L		96	64 - 130
Carbon tetrachloride	20.0	19.7		ug/L		99	61 - 134
Chlorobenzene	20.0	19.5		ug/L		97	70 - 130
Chloroethane	20.0	20.3		ug/L		101	39 - 150
Chloroform	20.0	18.6		ug/L		93	68 - 130
Chloromethane	20.0	13.0		ug/L		65	35 - 150
2-Chlorotoluene	20.0	19.0		ug/L		95	70 - 130
4-Chlorotoluene	20.0	19.4		ug/L		97	70 - 130
Chlorodibromomethane	20.0	19.3		ug/L		96	70 - 130
1,2-Dibromo-3-Chloropropane	20.0	18.7		ug/L		94	63 - 130
Ethylene Dibromide	20.0	18.6		ug/L		93	66 - 130
Dibromomethane	20.0	18.8		ug/L		94	70 - 130
1,2-Dichlorobenzene	20.0	19.4		ug/L		97	70 - 130

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

Lab Sample ID: LCS 660-118372/3
Matrix: Water
Analysis Batch: 118372

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3-Dichlorobenzene	20.0	19.7		ug/L		99	70 - 130
1,4-Dichlorobenzene	20.0	19.5		ug/L		97	70 - 130
Dichlorodifluoromethane	20.0	10.2		ug/L		51	16 - 149
1,1-Dichloroethane	20.0	19.2		ug/L		96	66 - 130
1,2-Dichloroethane	20.0	18.5		ug/L		92	70 - 130
1,1,1,2-Tetrachloroethane	20.0	20.1		ug/L		100	70 - 130
1,1-Dichloroethene	20.0	18.1		ug/L		90	51 - 150
cis-1,2-Dichloroethene	20.0	20.8		ug/L		104	66 - 130
trans-1,2-Dichloroethene	20.0	19.4		ug/L		97	62 - 139
1,2-Dichloropropane	20.0	19.2		ug/L		96	70 - 130
1,3-Dichloropropane	20.0	18.9		ug/L		94	70 - 130
2,2-Dichloropropane	20.0	19.9		ug/L		99	66 - 134
1,1-Dichloropropene	20.0	19.2		ug/L		96	65 - 136
cis-1,3-Dichloropropene	20.0	19.5		ug/L		97	70 - 130
trans-1,3-Dichloropropene	20.0	19.3		ug/L		96	67 - 130
Ethylbenzene	20.0	20.5		ug/L		102	70 - 130
Hexachlorobutadiene	20.0	19.5		ug/L		97	62 - 143
Isopropylbenzene	20.0	20.6		ug/L		103	62 - 130
4-Isopropyltoluene	20.0	20.6		ug/L		103	65 - 134
Methylene Chloride	20.0	21.8		ug/L		109	57 - 130
Naphthalene	20.0	19.8		ug/L		99	50 - 136
N-Propylbenzene	20.0	19.8		ug/L		99	67 - 130
Styrene	20.0	21.1		ug/L		106	68 - 131
1,1,2,2-Tetrachloroethane	20.0	18.9		ug/L		95	70 - 130
Tetrachloroethene	20.0	19.1		ug/L		95	50 - 143
Toluene	20.0	18.1		ug/L		91	70 - 131
1,2,3-Trichlorobenzene	20.0	20.1		ug/L		101	58 - 132
1,2,4-Trichlorobenzene	20.0	19.9		ug/L		99	66 - 130
1,1,1-Trichloroethane	20.0	19.2		ug/L		96	63 - 132
1,1,2-Trichloroethane	20.0	18.3		ug/L		91	70 - 130
Trichloroethene	20.0	19.4		ug/L		97	63 - 139
Trichlorofluoromethane	20.0	19.5		ug/L		97	62 - 146
1,2,3-Trichloropropane	20.0	18.6		ug/L		93	66 - 130
1,2,4-Trimethylbenzene	20.0	20.1		ug/L		101	70 - 132
1,3,5-Trimethylbenzene	20.0	19.5		ug/L		98	65 - 134
Vinyl chloride	20.0	15.5		ug/L		77	48 - 147
o-Xylene	20.0	20.8		ug/L		104	69 - 130
2-Butanone (MEK)	40.0	48.3		ug/L		121	63 - 140
4-Methyl-2-pentanone (MIBK)	40.0	37.8		ug/L		94	64 - 137
Carbon disulfide	40.0	47.0		ug/L		118	30 - 150
2-Hexanone	40.0	39.3		ug/L		98	60 - 148
Methyl tert-butyl ether	40.0	39.6		ug/L		99	67 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*99*		*70 - 130*
4-Bromofluorobenzene	*105*		*70 - 130*
Dibromofluoromethane	*100*		*70 - 130*

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

Lab Sample ID: 660-44974-B-2 MS
Matrix: Water
Analysis Batch: 118372

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	9.9	U	40.0	43.1		ug/L		108	62 - 142
Benzene	0.50	U	20.0	21.5		ug/L		108	68 - 134
Bromobenzene	0.58	U	20.0	20.6		ug/L		103	70 - 130
Chlorobromomethane	0.58	U	20.0	20.6		ug/L		103	70 - 130
Dichlorobromomethane	0.35	U	20.0	20.9		ug/L		105	70 - 130
Bromoform	0.58	U	20.0	20.0		ug/L		100	65 - 130
Bromomethane	2.5	U	20.0	27.0		ug/L		135	22 - 150
n-Butylbenzene	0.67	U	20.0	22.3		ug/L		112	61 - 131
sec-Butylbenzene	0.63	U	20.0	21.7		ug/L		109	68 - 133
tert-Butylbenzene	0.84	U	20.0	21.5		ug/L		108	64 - 130
Carbon tetrachloride	0.42	U	20.0	22.0		ug/L		110	61 - 134
Chlorobenzene	0.63	U	20.0	21.1		ug/L		105	70 - 130
Chloroethane	2.5	U	20.0	20.9		ug/L		105	39 - 150
Chloroform	0.90	U	20.0	20.4		ug/L		102	68 - 130
Chloromethane	1.0	U	20.0	14.7		ug/L		74	35 - 150
2-Chlorotoluene	0.65	U	20.0	20.9		ug/L		105	70 - 130
4-Chlorotoluene	0.52	U	20.0	21.2		ug/L		106	70 - 130
Chlorodibromomethane	0.34	U	20.0	20.4		ug/L		102	70 - 130
1,2-Dibromo-3-Chloropropane	2.5	U	20.0	20.8		ug/L		104	63 - 130
Ethylene Dibromide	0.50	U	20.0	20.1		ug/L		101	66 - 130
Dibromomethane	0.41	U	20.0	20.6		ug/L		103	70 - 130
1,2-Dichlorobenzene	0.44	U	20.0	20.8		ug/L		104	70 - 130
1,3-Dichlorobenzene	0.64	U	20.0	21.0		ug/L		105	70 - 130
1,4-Dichlorobenzene	0.52	U	20.0	20.7		ug/L		104	70 - 130
Dichlorodifluoromethane	2.5	U	20.0	11.7		ug/L		58	16 - 149
1,1-Dichloroethane	0.52	U	20.0	21.6		ug/L		108	66 - 130
1,2-Dichloroethane	0.57	U	20.0	20.6		ug/L		103	70 - 130
1,1,1,2-Tetrachloroethane	0.63	U	20.0	20.3		ug/L		102	70 - 130
1,1-Dichloroethene	0.45	U	20.0	22.3		ug/L		111	51 - 150
cis-1,2-Dichloroethene	0.65	U	20.0	21.3		ug/L		106	66 - 130
trans-1,2-Dichloroethene	0.44	U	20.0	21.4		ug/L		107	62 - 139
1,2-Dichloropropane	0.52	U	20.0	21.1		ug/L		105	70 - 130
1,3-Dichloropropane	0.39	U	20.0	20.8		ug/L		104	70 - 130
2,2-Dichloropropane	0.36	U	20.0	21.5		ug/L		108	66 - 134
1,1-Dichloropropene	0.31	U	20.0	21.6		ug/L		108	65 - 136
cis-1,3-Dichloropropene	0.14	U	20.0	21.0		ug/L		105	70 - 130
trans-1,3-Dichloropropene	0.14	U	20.0	20.3		ug/L		102	67 - 130
Ethylbenzene	0.44	U	20.0	21.9		ug/L		109	70 - 130
Hexachlorobutadiene	0.40	U	20.0	20.7		ug/L		103	62 - 143
Isopropylbenzene	0.19	U	20.0	21.9		ug/L		109	62 - 130
4-Isopropyltoluene	0.69	U	20.0	22.6		ug/L		113	65 - 134
Methylene Chloride	4.0	U	20.0	23.3		ug/L		117	57 - 130
Naphthalene	2.5	U	20.0	21.5		ug/L		108	50 - 136
N-Propylbenzene	0.59	U	20.0	22.1		ug/L		110	67 - 130
Styrene	0.98	U	20.0	21.5		ug/L		108	68 - 131
1,1,2,2-Tetrachloroethane	0.15	U	20.0	20.3		ug/L		102	70 - 130
Tetrachloroethene	0.50	U	20.0	21.3		ug/L		106	50 - 143
Toluene	1.0	U	20.0	20.2		ug/L		101	70 - 131
1,2,3-Trichlorobenzene	0.77	U	20.0	20.9		ug/L		104	58 - 132

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

Lab Sample ID: 660-44974-B-2 MS
Matrix: Water
Analysis Batch: 118372

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	0.58	U	20.0	20.7		ug/L		103	66 - 130
1,1,1-Trichloroethane	0.46	U	20.0	21.8		ug/L		109	63 - 132
1,1,2-Trichloroethane	0.47	U	20.0	20.5		ug/L		102	70 - 130
Trichloroethene	0.50	U	20.0	20.9		ug/L		104	63 - 139
Trichlorofluoromethane	2.5	U	20.0	19.7		ug/L		98	62 - 146
1,2,3-Trichloropropane	0.18	U	20.0	20.5		ug/L		102	66 - 130
1,2,4-Trimethylbenzene	0.86	U	20.0	21.8		ug/L		109	70 - 132
1,3,5-Trimethylbenzene	0.54	U	20.0	21.6		ug/L		108	65 - 134
Vinyl chloride	0.50	U	20.0	16.5		ug/L		83	48 - 147
o-Xylene	0.50	U	20.0	21.9		ug/L		109	69 - 130
2-Butanone (MEK)	8.4	U	40.0	52.4		ug/L		131	63 - 140
4-Methyl-2-pentanone (MIBK)	3.8	U	40.0	45.1		ug/L		113	64 - 137
Carbon disulfide	1.0	U	40.0	57.1		ug/L		143	30 - 150
2-Hexanone	4.4	U	40.0	44.7		ug/L		112	60 - 148
Methyl tert-butyl ether	0.44	U	40.0	45.0		ug/L		112	67 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*100*		*70 - 130*
4-Bromofluorobenzene	*98*		*70 - 130*
Dibromofluoromethane	*100*		*70 - 130*

Lab Sample ID: 660-45013-1 DU
Matrix: Water
Analysis Batch: 118372

Client Sample ID: Effluent 120611
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Acetone	9.9	U	9.9	U	ug/L		NC	30
Benzene	0.50	U	0.50	U	ug/L		NC	30
Bromobenzene	0.58	U	0.58	U	ug/L		NC	30
Chlorobromomethane	0.58	U	0.58	U	ug/L		NC	30
Dichlorobromomethane	0.35	U	0.35	U	ug/L		NC	30
Bromoform	0.58	U	0.58	U	ug/L		NC	30
Bromomethane	2.5	U	2.5	U	ug/L		NC	30
n-Butylbenzene	0.67	U	0.67	U	ug/L		NC	30
sec-Butylbenzene	0.63	U	0.63	U	ug/L		NC	30
tert-Butylbenzene	0.84	U	0.84	U	ug/L		NC	30
Carbon tetrachloride	0.42	U	0.42	U	ug/L		NC	30
Chlorobenzene	0.63	U	0.63	U	ug/L		NC	30
Chloroethane	2.5	U	2.5	U	ug/L		NC	30
Chloroform	0.90	U	0.90	U	ug/L		NC	30
Chloromethane	1.0	U	1.0	U	ug/L		NC	30
2-Chlorotoluene	0.65	U	0.65	U	ug/L		NC	30
4-Chlorotoluene	0.52	U	0.52	U	ug/L		NC	30
Chlorodibromomethane	0.34	U	0.34	U	ug/L		NC	30
1,2-Dibromo-3-Chloropropane	2.5	U	2.5	U	ug/L		NC	30
Ethylene Dibromide	0.50	U	0.50	U	ug/L		NC	30
Dibromomethane	0.41	U	0.41	U	ug/L		NC	30
1,2-Dichlorobenzene	0.44	U	0.44	U	ug/L		NC	30
1,3-Dichlorobenzene	0.64	U	0.64	U	ug/L		NC	30

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

Lab Sample ID: 660-45013-1 DU
Matrix: Water
Analysis Batch: 118372

Client Sample ID: Effluent 120611
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
1,4-Dichlorobenzene	0.52	U		0.52	U	ug/L				NC	30
Dichlorodifluoromethane	2.5	U		2.5	U	ug/L				NC	30
1,1-Dichloroethane	0.52	U		0.52	U	ug/L				NC	30
1,2-Dichloroethane	0.57	U		0.57	U	ug/L				NC	30
1,1,1,2-Tetrachloroethane	0.63	U		0.63	U	ug/L				NC	30
1,1-Dichloroethene	0.45	U		0.45	U	ug/L				NC	30
cis-1,2-Dichloroethene	0.65	U		0.65	U	ug/L				NC	30
trans-1,2-Dichloroethene	0.44	U		0.44	U	ug/L				NC	30
1,2-Dichloropropane	0.52	U		0.52	U	ug/L				NC	30
1,3-Dichloropropane	0.39	U		0.39	U	ug/L				NC	30
2,2-Dichloropropane	0.36	U		0.36	U	ug/L				NC	30
1,1-Dichloropropene	0.31	U		0.31	U	ug/L				NC	30
cis-1,3-Dichloropropene	0.14	U		0.14	U	ug/L				NC	30
trans-1,3-Dichloropropene	0.14	U		0.14	U	ug/L				NC	30
Ethylbenzene	0.44	U		0.44	U	ug/L				NC	30
Hexachlorobutadiene	0.40	U		0.40	U	ug/L				NC	30
Isopropylbenzene	0.19	U		0.19	U	ug/L				NC	30
4-Isopropyltoluene	0.69	U		0.69	U	ug/L				NC	30
Methylene Chloride	4.0	U		4.0	U	ug/L				NC	30
Naphthalene	2.5	U		2.5	U	ug/L				NC	30
N-Propylbenzene	0.59	U		0.59	U	ug/L				NC	30
Styrene	0.98	U		0.98	U	ug/L				NC	30
1,1,2,2-Tetrachloroethane	0.15	U		0.15	U	ug/L				NC	30
Tetrachloroethene	0.50	U		0.50	U	ug/L				NC	30
Toluene	1.0	U		1.0	U	ug/L				NC	30
1,2,3-Trichlorobenzene	0.77	U		0.77	U	ug/L				NC	30
1,2,4-Trichlorobenzene	0.58	U		0.58	U	ug/L				NC	30
1,1,1-Trichloroethane	0.46	U		0.46	U	ug/L				NC	30
1,1,2-Trichloroethane	0.47	U		0.47	U	ug/L				NC	30
Trichloroethene	0.50	U		0.50	U	ug/L				NC	30
Trichlorofluoromethane	2.5	U		2.5	U	ug/L				NC	30
1,2,3-Trichloropropane	0.18	U		0.18	U	ug/L				NC	30
1,2,4-Trimethylbenzene	0.86	U		0.86	U	ug/L				NC	30
1,3,5-Trimethylbenzene	0.54	U		0.54	U	ug/L				NC	30
Vinyl chloride	0.50	U		0.50	U	ug/L				NC	30
o-Xylene	0.50	U		0.50	U	ug/L				NC	30
2-Butanone (MEK)	8.4	U		8.4	U	ug/L				NC	30
4-Methyl-2-pentanone (MIBK)	3.8	U		3.8	U	ug/L				NC	30
Carbon disulfide	1.0	U		1.0	U	ug/L				NC	30
2-Hexanone	4.4	U		4.4	U	ug/L				NC	30
Methyl tert-butyl ether	0.44	U		0.44	U	ug/L				NC	30
m-Xylene & p-Xylene	0.60	U		0.60	U	ug/L				NC	30

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
Toluene-d8 (Surr)	*100*		*70 - 130*
4-Bromofluorobenzene	*100*		*70 - 130*
Dibromofluoromethane	*97*		*70 - 130*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Lab Sample ID: MB 660-118375/6 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 118375

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			12/07/11 09:07	1

Lab Sample ID: LCS 660-118375/4 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 118375

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dioxane	25.0	21.7		ug/L		87	50 - 150

Lab Sample ID: 660-44938-D-1 MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 118375

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dioxane	1.0	U	25.0	20.1		ug/L		80	50 - 150

Lab Sample ID: 660-44938-D-1 MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 118375

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dioxane	1.0	U	25.0	21.3		ug/L		85	50 - 150	6	50

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 660-118362/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 118382 — **Prep Batch: 118362**

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.050	U	0.20	0.050	mg/L		12/07/11 07:17	12/07/11 13:11	1
Arsenic	0.0040	U	0.010	0.0040	mg/L		12/07/11 07:17	12/07/11 13:11	1
Beryllium	0.00050	U	0.0020	0.00050	mg/L		12/07/11 07:17	12/07/11 13:11	1
Cadmium	0.0010	U	0.0040	0.0010	mg/L		12/07/11 07:17	12/07/11 13:11	1
Chromium	0.0020	U	0.010	0.0020	mg/L		12/07/11 07:17	12/07/11 13:11	1
Copper	0.0029	U	0.010	0.0029	mg/L		12/07/11 07:17	12/07/11 13:11	1
Iron	0.050	U	0.20	0.050	mg/L		12/07/11 07:17	12/07/11 13:11	1
Nickel	0.0020	U	0.0080	0.0020	mg/L		12/07/11 07:17	12/07/11 13:11	1
Lead	0.0020	U	0.010	0.0020	mg/L		12/07/11 07:17	12/07/11 13:11	1
Zinc	0.0050	U	0.020	0.0050	mg/L		12/07/11 07:17	12/07/11 13:11	1

Lab Sample ID: LCS 660-118362/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 118382 — **Prep Batch: 118362**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	1.00	0.991		mg/L		99	75 - 125
Arsenic	1.00	1.03		mg/L		103	75 - 125
Beryllium	1.00	1.02		mg/L		102	75 - 125
Cadmium	1.00	1.02		mg/L		102	75 - 125

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

Lab Sample ID: LCS 660-118362/2-A
Matrix: Water
Analysis Batch: 118382

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 118362

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium	1.00	1.01		mg/L		101	75 - 125
Copper	1.00	1.02		mg/L		102	75 - 125
Iron	1.00	1.09		mg/L		109	75 - 125
Nickel	1.00	1.07		mg/L		107	75 - 125
Lead	1.00	1.08		mg/L		108	75 - 125
Zinc	1.00	1.01		mg/L		101	75 - 125

Lab Sample ID: 660-45013-1 MS
Matrix: Water
Analysis Batch: 118382

Client Sample ID: Effluent 120611
Prep Type: Total Recoverable
Prep Batch: 118362

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	0.050	U	1.00	1.04		mg/L		104	75 - 125
Arsenic	0.0040	U	1.00	1.07		mg/L		107	75 - 125
Beryllium	0.00050	U	1.00	1.05		mg/L		105	75 - 125
Cadmium	0.0010	U	1.00	1.03		mg/L		103	75 - 125
Chromium	0.0020	U	1.00	0.993		mg/L		99	75 - 125
Copper	0.0029	U	1.00	1.01		mg/L		101	75 - 125
Iron	2.0		1.00	3.14		mg/L		112	75 - 125
Nickel	0.0052	I	1.00	1.04		mg/L		104	75 - 125
Lead	0.0020	U	1.00	1.02		mg/L		102	75 - 125
Zinc	0.0050	U	1.00	0.997		mg/L		100	75 - 125

Lab Sample ID: 660-45013-1 MSD
Matrix: Water
Analysis Batch: 118382

Client Sample ID: Effluent 120611
Prep Type: Total Recoverable
Prep Batch: 118362

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	0.050	U	1.00	1.03		mg/L		103	75 - 125	2	20
Arsenic	0.0040	U	1.00	1.05		mg/L		105	75 - 125	2	20
Beryllium	0.00050	U	1.00	1.02		mg/L		102	75 - 125	2	20
Cadmium	0.0010	U	1.00	1.01		mg/L		101	75 - 125	2	20
Chromium	0.0020	U	1.00	0.974		mg/L		97	75 - 125	2	20
Copper	0.0029	U	1.00	0.985		mg/L		98	75 - 125	2	20
Iron	2.0		1.00	3.06		mg/L		104	75 - 125	3	20
Nickel	0.0052	I	1.00	1.02		mg/L		101	75 - 125	2	20
Lead	0.0020	U	1.00	0.999		mg/L		100	75 - 125	2	20
Zinc	0.0050	U	1.00	0.981		mg/L		98	75 - 125	2	20

QC Association Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Compliance

TestAmerica Job ID: 660-45013-1

GC/MS VOA

Analysis Batch: 118372

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-44974-B-2 MS	Matrix Spike	Total/NA	Water	8260B	
660-45013-1	Effluent 120611	Total/NA	Water	8260B	
660-45013-1 DU	Effluent 120611	Total/NA	Water	8260B	
660-45013-2 - DL	Combined Influent 120611	Total/NA	Water	8260B	
660-45013-2	Combined Influent 120611	Total/NA	Water	8260B	
LCS 660-118372/3	Lab Control Sample	Total/NA	Water	8260B	
MB 660-118372/6	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 118375

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-44938-D-1 MS	Matrix Spike	Total/NA	Water	8260C _SIM/ID	
660-44938-D-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8260C _SIM/ID	
660-45013-1	Effluent 120611	Total/NA	Water	8260C _SIM/ID	
660-45013-2	Combined Influent 120611	Total/NA	Water	8260C _SIM/ID	
LCS 660-118375/4	Lab Control Sample	Total/NA	Water	8260C _SIM/ID	
MB 660-118375/6	Method Blank	Total/NA	Water	8260C _SIM/ID	

Metals

Prep Batch: 118362

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-45013-1	Effluent 120611	Total Recoverable	Water	3005A	
660-45013-1 MS	Effluent 120611	Total Recoverable	Water	3005A	
660-45013-1 MSD	Effluent 120611	Total Recoverable	Water	3005A	
660-45013-2	Combined Influent 120611	Total Recoverable	Water	3005A	
LCS 660-118362/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 660-118362/1-A	Method Blank	Total Recoverable	Water	3005A	

Analysis Batch: 118382

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-45013-1	Effluent 120611	Total Recoverable	Water	6010B	118362
660-45013-1 MS	Effluent 120611	Total Recoverable	Water	6010B	118362
660-45013-1 MSD	Effluent 120611	Total Recoverable	Water	6010B	118362
660-45013-2	Combined Influent 120611	Total Recoverable	Water	6010B	118362
LCS 660-118362/2-A	Lab Control Sample	Total Recoverable	Water	6010B	118362
MB 660-118362/1-A	Method Blank	Total Recoverable	Water	6010B	118362

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Compliance

TestAmerica Job ID: 660-45013-1

Client Sample ID: Effluent 120611

Lab Sample ID: 660-45013-1

Date Collected: 12/06/11 07:20

Matrix: Water

Date Received: 12/06/11 12:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	118372	12/06/11 18:07	EC	TAL TAM
Total/NA	Analysis	8260C _SIM/ID		1	118375	12/07/11 13:51	AP	TAL TAM
Total Recoverable	Prep	3005A			118362	12/07/11 07:17	GF	TAL TAM
Total Recoverable	Analysis	6010B		1	118382	12/07/11 13:21	SR	TAL TAM

Client Sample ID: Combined Influent 120611

Lab Sample ID: 660-45013-2

Date Collected: 12/06/11 07:30

Matrix: Water

Date Received: 12/06/11 12:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL	10	118372	12/07/11 00:30	EC	TAL TAM
Total/NA	Analysis	8260B		1	118372	12/07/11 00:52	EC	TAL TAM
Total/NA	Analysis	8260C _SIM/ID		10	118375	12/07/11 14:57	AP	TAL TAM
Total Recoverable	Prep	3005A			118362	12/07/11 07:17	GF	TAL TAM
Total Recoverable	Analysis	6010B		1	118382	12/07/11 13:34	SR	TAL TAM

Laboratory References:

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Certification Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Compliance

TestAmerica Job ID: 660-45013-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Tampa	Alabama	State Program	4	40610
TestAmerica Tampa	Florida	NELAC	4	E84282
TestAmerica Tampa	Georgia	State Program	4	905
TestAmerica Tampa	USDA	USDA		P330-11-00177

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Compliance

TestAmerica Job ID: 660-45013-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL TAM
8260C _SIM/ID	1,4-Dioxane by SIM/Isotopic Dilution	SW846	TAL TAM
6010B	Metals (ICP)	SW846	TAL TAM

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Compliance

TestAmerica Job ID: 660-45013-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
660-45013-1	Effluent 120611	Water	12/06/11 07:20	12/06/11 12:10
660-45013-2	Combined Influent 120611	Water	12/06/11 07:30	12/06/11 12:10

Serial Number 018057

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

660-45013

TestAmerica Tampa
6712 Benjamin Road, Suite 100
Tampa, FL 33634

Website: www.testamericainc.com
Phone: (813) 885-7427
Fax: (813) 885-7049

Alternate Laboratory Name/Location
Phone:
Fax:

PROJECT REFERENCE: Tallevast Compliance	PROJECT NO.: —	PROJECT LOCATION (STATE): FL	PAGE 1 OF 1
SAMPLER'S SIGNATURE: [signature]	P.O. NUMBER:	CONTRACT NO.: —	STANDARD REPORT DELIVERY ○
CLIENT (SITE) PM: Don Sauda	CLIENT PHONE: 8137484874	CLIENT FAX:	DATE DUE:
CLIENT NAME: Arcadis	CLIENT E-MAIL: donald.sauda@arcadis-us.com		EXPEDITED REPORT DELIVERY (SURCHARGE) ○ DATE DUE: 48 hrs
CLIENT ADDRESS: 1600 Tallevast Rd Sarasota, FL 34243			
COMPANY CONTRACTING THIS WORK (if applicable): LMC			NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

MATRIX TYPE (COMPOSITE (C) OR GRAB (G) INDICATE): AQUEOUS (WATER); SOLID OR SEMISOLID; AIR; NONAQUEOUS LIQUID (OIL, SOLVENT...)

REQUIRED ANALYSIS: 8260 B/C; Sim 1D; 6010 B 10 metals

PRESERVATIVE: H_2SO_4; NAHSO4

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G)	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT...)	8260 B/C	Sim 1D	6010 B 10 metals	REMARKS
12-6-11	0720	Effluent	G	X				4	1		48 hr turn
12-6-11	0730	Combined Influent	G	X				4	1		

NUMBER OF CONTAINERS SUBMITTED

10 metals are: Al, As, Be, Cd, Co, Cu, Fe, Pb, Ni, Zn

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS			[signature]	12-6-11	1210			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS [signature]	11-25-11	0800	[signature]	12-6-11	1210			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	TAMPA LOG NO.	COOLER TEMP. UPON RECEIPT	LABORATORY REMARKS
			YES ○ NO ○			1.0 4.0 Cw-07	

TAL8240-660 (0209)

12/9/2011

R625-EDC-002289-0

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 660-45013-1

Login Number: 45013
List Number: 1
Creator: Redding, Charles S

List Source: TestAmerica Tampa

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	1.0, 4.0 degrees C Cu-07
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Tampa
6712 Benjamin Road
Suite 100
Tampa, FL 33634
Tel: (813)885-7427

TestAmerica Job ID: 660-45024-1
Client Project/Site: Tallevast Quarterly Extraction Wells

For:
ARCADIS U.S. Inc
6723 Towpath Road
PO BOX 66
Syracuse, New York 13214

Attn: Donald Sauda

Authorized for release by:
12/14/2011 4:31:57 PM

Tina Fritz
Project Manager II
tina.fritz@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates that the compound was analyzed for but not detected.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.

Metals

Qualifier	Qualifier Description
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Indicates that the compound was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 660-45024-1

Laboratory: TestAmerica Tampa

Narrative

Job Narrative
660-45024-1

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
Method 8260B: The matrix spike (MS) recovery for batch 118420 was outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method 8260C SIM: The following sample was diluted due to the abundance of non-target analytes: EW-106. Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Quarterly Extraction Wells

TestAmerica Job ID: 660-45024-1

Client Sample ID: EW-101 — Lab Sample ID: 660-45024-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	15		1.0	0.52	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	19		1.0	0.65	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	0.95	I	1.0	0.44	ug/L	1		8260B	Total/NA
Tetrachloroethene	17		1.0	0.50	ug/L	1		8260B	Total/NA
Trichloroethene - DL	140		10	5.0	ug/L	10		8260B	Total/NA
1,4-Dioxane	5.2		2.0	1.0	ug/L	1		8260C _SIM/ID	Total/NA
Aluminum	98	I	200	50	ug/L	1		6010B	Total Recovera
Arsenic	5.7	I	10	4.0	ug/L	1		6010B	Total Recovera
Iron	5100		200	50	ug/L	1		6010B	Total Recovera
Nickel	13		8.0	2.0	ug/L	1		6010B	Total Recovera

Client Sample ID: EW-102 — Lab Sample ID: 660-45024-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	7.5		1.0	0.52	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	48	J3	1.0	0.45	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	13		1.0	0.65	ug/L	1		8260B	Total/NA
Trichloroethene	43		1.0	0.50	ug/L	1		8260B	Total/NA
1,4-Dioxane	34		2.0	1.0	ug/L	1		8260C _SIM/ID	Total/NA
Iron	4100		200	50	ug/L	1		6010B	Total Recovera

Client Sample ID: EW-103 — Lab Sample ID: 660-45024-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	3.0		1.0	0.52	ug/L	1		8260B	Total/NA
Tetrachloroethene	0.84	I	1.0	0.50	ug/L	1		8260B	Total/NA
Trichloroethene	14		1.0	0.50	ug/L	1		8260B	Total/NA
Aluminum	57	I	200	50	ug/L	1		6010B	Total Recovera
Iron	940		200	50	ug/L	1		6010B	Total Recovera
Nickel	2.3	I	8.0	2.0	ug/L	1		6010B	Total Recovera

Client Sample ID: EW-104 — Lab Sample ID: 660-45024-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	19		1.0	0.52	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	28		1.0	0.45	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	33		1.0	0.65	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	1.8		1.0	0.44	ug/L	1		8260B	Total/NA
Tetrachloroethene	3.4		1.0	0.50	ug/L	1		8260B	Total/NA
Trichloroethene - DL	370		10	5.0	ug/L	10		8260B	Total/NA
1,4-Dioxane	59		2.0	1.0	ug/L	1		8260C _SIM/ID	Total/NA
Iron	13000		200	50	ug/L	1		6010B	Total Recovera

Client Sample ID: EW-105 — Lab Sample ID: 660-45024-5

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	9.2		1.0	0.52	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	13		1.0	0.65	ug/L	1		8260B	Total/NA
Tetrachloroethene	23		1.0	0.50	ug/L	1		8260B	Total/NA
Trichloroethene - DL	230		10	5.0	ug/L	10		8260B	Total/NA
1,4-Dioxane	32		2.0	1.0	ug/L	1		8260C _SIM/ID	Total/NA
Aluminum	120	I	200	50	ug/L	1		6010B	Total Recovera
Arsenic	6.0	I	10	4.0	ug/L	1		6010B	Total Recovera
Iron	10000		200	50	ug/L	1		6010B	Total Recovera

Client Sample ID: EW-105 (Continued) — Lab Sample ID: 660-45024-5

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nickel	25		8.0	2.0	ug/L	1		6010B	Total Recovera
Zinc	8.2	I	20	5.0	ug/L	1		6010B	Total Recovera

Client Sample ID: EW-106 — Lab Sample ID: 660-45024-6

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	24		1.0	0.52	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	41		1.0	0.65	ug/L	1		8260B	Total/NA
Tetrachloroethene	30		1.0	0.50	ug/L	1		8260B	Total/NA
Trichloroethene - DL	1100		10	5.0	ug/L	10		8260B	Total/NA
1,4-Dioxane	64		40	20	ug/L	20		8260C _SIM/ID	Total/NA
Arsenic	20		10	4.0	ug/L	1		6010B	Total Recovera
Iron	44000		200	50	ug/L	1		6010B	Total Recovera
Nickel	13		8.0	2.0	ug/L	1		6010B	Total Recovera

Client Sample ID: EW-107 — Lab Sample ID: 660-45024-7

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.5		1.0	0.52	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	1.5		1.0	0.45	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	2.4		1.0	0.65	ug/L	1		8260B	Total/NA
Tetrachloroethene	24		1.0	0.50	ug/L	1		8260B	Total/NA
Trichloroethene	82		1.0	0.50	ug/L	1		8260B	Total/NA
1,4-Dioxane	7.8		2.0	1.0	ug/L	1		8260C _SIM/ID	Total/NA
Aluminum	220		200	50	ug/L	1		6010B	Total Recovera
Iron	28000		200	50	ug/L	1		6010B	Total Recovera

Client Sample ID: EW-108 — Lab Sample ID: 660-45024-8

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	79		1.0	0.52	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	22		1.0	0.65	ug/L	1		8260B	Total/NA
Tetrachloroethene	31		1.0	0.50	ug/L	1		8260B	Total/NA
Trichloroethene	120		1.0	0.50	ug/L	1		8260B	Total/NA
Vinyl chloride	1.6		1.0	0.50	ug/L	1		8260B	Total/NA
1,1-Dichloroethene - DL	250		10	4.5	ug/L	10		8260B	Total/NA
1,4-Dioxane	380		20	10	ug/L	10		8260C _SIM/ID	Total/NA
Iron	3800		200	50	ug/L	1		6010B	Total Recovera

Client Sample ID: EW-109 — Lab Sample ID: 660-45024-9

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	500		200	50	ug/L	1		6010B	Total Recovera
Iron	10000		200	50	ug/L	1		6010B	Total Recovera

Client Sample ID: EW-110 — Lab Sample ID: 660-45024-10

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	11		1.0	0.52	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	32		1.0	0.45	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	2.3		1.0	0.65	ug/L	1		8260B	Total/NA
Tetrachloroethene	5.7		1.0	0.50	ug/L	1		8260B	Total/NA
Trichloroethene	15		1.0	0.50	ug/L	1		8260B	Total/NA
1,4-Dioxane	8.5		2.0	1.0	ug/L	1		8260C _SIM/ID	Total/NA

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Quarterly Extraction Wells

TestAmerica Job ID: 660-45024-1

Client Sample ID: EW-110 (Continued)

Lab Sample ID: 660-45024-10

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	270		200	50	ug/L	1		6010B	Total Recovera
Arsenic	12		10	4.0	ug/L	1		6010B	Total Recovera
Iron	57000		200	50	ug/L	1		6010B	Total Recovera

Client Sample ID: EW-101
Date Collected: 12/06/11 08:00
Date Received: 12/06/11 12:10

Lab Sample ID: 660-45024-1
Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			12/07/11 21:40	1
Benzene	0.50	U	1.0	0.50	ug/L			12/07/11 21:40	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			12/07/11 21:40	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			12/07/11 21:40	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			12/07/11 21:40	1
Bromoform	0.58	U	1.0	0.58	ug/L			12/07/11 21:40	1
Bromomethane	2.5	U	5.0	2.5	ug/L			12/07/11 21:40	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			12/07/11 21:40	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			12/07/11 21:40	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			12/07/11 21:40	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			12/07/11 21:40	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			12/07/11 21:40	1
Chloroethane	2.5	U	5.0	2.5	ug/L			12/07/11 21:40	1
Chloroform	0.90	U	1.0	0.90	ug/L			12/07/11 21:40	1
Chloromethane	1.0	U	4.0	1.0	ug/L			12/07/11 21:40	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			12/07/11 21:40	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			12/07/11 21:40	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			12/07/11 21:40	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			12/07/11 21:40	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			12/07/11 21:40	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			12/07/11 21:40	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			12/07/11 21:40	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			12/07/11 21:40	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			12/07/11 21:40	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			12/07/11 21:40	1
1,1-Dichloroethane	**15**		1.0	0.52	ug/L			12/07/11 21:40	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			12/07/11 21:40	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			12/07/11 21:40	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			12/07/11 21:40	1
cis-1,2-Dichloroethene	**19**		1.0	0.65	ug/L			12/07/11 21:40	1
trans-1,2-Dichloroethene	**0.95**	**I**	1.0	0.44	ug/L			12/07/11 21:40	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			12/07/11 21:40	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			12/07/11 21:40	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/07/11 21:40	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			12/07/11 21:40	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/07/11 21:40	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/07/11 21:40	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			12/07/11 21:40	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			12/07/11 21:40	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			12/07/11 21:40	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			12/07/11 21:40	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			12/07/11 21:40	1
Naphthalene	2.5	U	5.0	2.5	ug/L			12/07/11 21:40	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			12/07/11 21:40	1
Styrene	0.98	U	2.0	0.98	ug/L			12/07/11 21:40	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			12/07/11 21:40	1
Tetrachloroethene	**17**		1.0	0.50	ug/L			12/07/11 21:40	1
Toluene	1.0	U	1.0	1.0	ug/L			12/07/11 21:40	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			12/07/11 21:40	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			12/07/11 21:40	1

Client Sample ID: EW-101

Date Collected: 12/06/11 08:00
Date Received: 12/06/11 12:10

Lab Sample ID: 660-45024-1

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			12/07/11 21:40	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			12/07/11 21:40	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			12/07/11 21:40	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			12/07/11 21:40	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			12/07/11 21:40	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			12/07/11 21:40	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/07/11 21:40	1
o-Xylene	0.50	U	1.0	0.50	ug/L			12/07/11 21:40	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			12/07/11 21:40	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			12/07/11 21:40	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			12/07/11 21:40	1
2-Hexanone	4.4	U	10	4.4	ug/L			12/07/11 21:40	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			12/07/11 21:40	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			12/07/11 21:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*70 - 130*		*12/07/11 21:40*	*1*
4-Bromofluorobenzene	*100*		*70 - 130*		*12/07/11 21:40*	*1*
Dibromofluoromethane	*109*		*70 - 130*		*12/07/11 21:40*	*1*

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	**140**		10	5.0	ug/L			12/07/11 19:10	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*70 - 130*		*12/07/11 19:10*	*10*
4-Bromofluorobenzene	*101*		*70 - 130*		*12/07/11 19:10*	*10*
Dibromofluoromethane	*104*		*70 - 130*		*12/07/11 19:10*	*10*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**5.2**		2.0	1.0	ug/L			12/07/11 16:04	1

Method: 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**98**	**I**	200	50	ug/L		12/07/11 09:43	12/08/11 08:59	1
Arsenic	**5.7**	**I**	10	4.0	ug/L		12/07/11 09:43	12/08/11 08:59	1
Beryllium	0.50	U	2.0	0.50	ug/L		12/07/11 09:43	12/08/11 08:59	1
Cadmium	1.0	U	4.0	1.0	ug/L		12/07/11 09:43	12/08/11 08:59	1
Chromium	2.0	U	10	2.0	ug/L		12/07/11 09:43	12/08/11 08:59	1
Copper	2.9	U	10	2.9	ug/L		12/07/11 09:43	12/08/11 08:59	1
Iron	**5100**		200	50	ug/L		12/07/11 09:43	12/08/11 08:59	1
Nickel	**13**		8.0	2.0	ug/L		12/07/11 09:43	12/08/11 08:59	1
Lead	2.0	U	10	2.0	ug/L		12/07/11 09:43	12/08/11 08:59	1
Zinc	5.0	U	20	5.0	ug/L		12/07/11 09:43	12/08/11 08:59	1

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Quarterly Extraction Wells

TestAmerica Job ID: 660-45024-1

Client Sample ID: EW-102

Date Collected: 12/06/11 08:10
Date Received: 12/06/11 12:10

Lab Sample ID: 660-45024-2

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			12/07/11 18:19	1
Benzene	0.50	U	1.0	0.50	ug/L			12/07/11 18:19	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			12/07/11 18:19	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			12/07/11 18:19	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			12/07/11 18:19	1
Bromoform	0.58	U	1.0	0.58	ug/L			12/07/11 18:19	1
Bromomethane	2.5	U	5.0	2.5	ug/L			12/07/11 18:19	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			12/07/11 18:19	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			12/07/11 18:19	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			12/07/11 18:19	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			12/07/11 18:19	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			12/07/11 18:19	1
Chloroethane	2.5	U	5.0	2.5	ug/L			12/07/11 18:19	1
Chloroform	0.90	U	1.0	0.90	ug/L			12/07/11 18:19	1
Chloromethane	1.0	U	4.0	1.0	ug/L			12/07/11 18:19	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			12/07/11 18:19	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			12/07/11 18:19	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			12/07/11 18:19	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			12/07/11 18:19	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			12/07/11 18:19	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			12/07/11 18:19	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			12/07/11 18:19	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			12/07/11 18:19	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			12/07/11 18:19	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			12/07/11 18:19	1
1,1-Dichloroethane	**7.5**		1.0	0.52	ug/L			12/07/11 18:19	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			12/07/11 18:19	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			12/07/11 18:19	1
1,1-Dichloroethene	**48**	**J3**	1.0	0.45	ug/L			12/07/11 18:19	1
cis-1,2-Dichloroethene	**13**		1.0	0.65	ug/L			12/07/11 18:19	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			12/07/11 18:19	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			12/07/11 18:19	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			12/07/11 18:19	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/07/11 18:19	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			12/07/11 18:19	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/07/11 18:19	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/07/11 18:19	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			12/07/11 18:19	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			12/07/11 18:19	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			12/07/11 18:19	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			12/07/11 18:19	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			12/07/11 18:19	1
Naphthalene	2.5	U	5.0	2.5	ug/L			12/07/11 18:19	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			12/07/11 18:19	1
Styrene	0.98	U	2.0	0.98	ug/L			12/07/11 18:19	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			12/07/11 18:19	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			12/07/11 18:19	1
Toluene	1.0	U	1.0	1.0	ug/L			12/07/11 18:19	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			12/07/11 18:19	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			12/07/11 18:19	1

Client Sample ID: EW-102

Lab Sample ID: 660-45024-2

Date Collected: 12/06/11 08:10

Matrix: Water

Date Received: 12/06/11 12:10

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			12/07/11 18:19	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			12/07/11 18:19	1
Trichloroethene	**43**		1.0	0.50	ug/L			12/07/11 18:19	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			12/07/11 18:19	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			12/07/11 18:19	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			12/07/11 18:19	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			12/07/11 18:19	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/07/11 18:19	1
o-Xylene	0.50	U	1.0	0.50	ug/L			12/07/11 18:19	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			12/07/11 18:19	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			12/07/11 18:19	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			12/07/11 18:19	1
2-Hexanone	4.4	U	10	4.4	ug/L			12/07/11 18:19	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			12/07/11 18:19	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			12/07/11 18:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*70 - 130*		*12/07/11 18:19*	*1*
4-Bromofluorobenzene	*98*		*70 - 130*		*12/07/11 18:19*	*1*
Dibromofluoromethane	*102*		*70 - 130*		*12/07/11 18:19*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**34**		2.0	1.0	ug/L			12/07/11 17:29	1

Method: 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	50	U	200	50	ug/L		12/07/11 09:43	12/08/11 09:12	1
Arsenic	4.0	U	10	4.0	ug/L		12/07/11 09:43	12/08/11 09:12	1
Beryllium	0.50	U	2.0	0.50	ug/L		12/07/11 09:43	12/08/11 09:12	1
Cadmium	1.0	U	4.0	1.0	ug/L		12/07/11 09:43	12/08/11 09:12	1
Chromium	2.0	U	10	2.0	ug/L		12/07/11 09:43	12/08/11 09:12	1
Copper	2.9	U	10	2.9	ug/L		12/07/11 09:43	12/08/11 09:12	1
Iron	**4100**		200	50	ug/L		12/07/11 09:43	12/08/11 09:12	1
Nickel	2.0	U	8.0	2.0	ug/L		12/07/11 09:43	12/08/11 09:12	1
Lead	2.0	U	10	2.0	ug/L		12/07/11 09:43	12/08/11 09:12	1
Zinc	5.0	U	20	5.0	ug/L		12/07/11 09:43	12/08/11 09:12	1

Client Sample ID: EW-103

Lab Sample ID: 660-45024-3

Date Collected: 12/06/11 08:20

Matrix: Water

Date Received: 12/06/11 12:10

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			12/07/11 19:27	1
Benzene	0.50	U	1.0	0.50	ug/L			12/07/11 19:27	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			12/07/11 19:27	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			12/07/11 19:27	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			12/07/11 19:27	1
Bromoform	0.58	U	1.0	0.58	ug/L			12/07/11 19:27	1

Client Sample ID: EW-103
Date Collected: 12/06/11 08:20
Date Received: 12/06/11 12:10

Lab Sample ID: 660-45024-3
Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	2.5	U	5.0	2.5	ug/L			12/07/11 19:27	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			12/07/11 19:27	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			12/07/11 19:27	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			12/07/11 19:27	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			12/07/11 19:27	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			12/07/11 19:27	1
Chloroethane	2.5	U	5.0	2.5	ug/L			12/07/11 19:27	1
Chloroform	0.90	U	1.0	0.90	ug/L			12/07/11 19:27	1
Chloromethane	1.0	U	4.0	1.0	ug/L			12/07/11 19:27	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			12/07/11 19:27	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			12/07/11 19:27	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			12/07/11 19:27	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			12/07/11 19:27	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			12/07/11 19:27	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			12/07/11 19:27	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			12/07/11 19:27	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			12/07/11 19:27	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			12/07/11 19:27	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			12/07/11 19:27	1
1,1-Dichloroethane	**3.0**		1.0	0.52	ug/L			12/07/11 19:27	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			12/07/11 19:27	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			12/07/11 19:27	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			12/07/11 19:27	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			12/07/11 19:27	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			12/07/11 19:27	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			12/07/11 19:27	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			12/07/11 19:27	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/07/11 19:27	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			12/07/11 19:27	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/07/11 19:27	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/07/11 19:27	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			12/07/11 19:27	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			12/07/11 19:27	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			12/07/11 19:27	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			12/07/11 19:27	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			12/07/11 19:27	1
Naphthalene	2.5	U	5.0	2.5	ug/L			12/07/11 19:27	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			12/07/11 19:27	1
Styrene	0.98	U	2.0	0.98	ug/L			12/07/11 19:27	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			12/07/11 19:27	1
Tetrachloroethene	**0.84**	**I**	1.0	0.50	ug/L			12/07/11 19:27	1
Toluene	1.0	U	1.0	1.0	ug/L			12/07/11 19:27	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			12/07/11 19:27	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			12/07/11 19:27	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			12/07/11 19:27	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			12/07/11 19:27	1
Trichloroethene	**14**		1.0	0.50	ug/L			12/07/11 19:27	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			12/07/11 19:27	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			12/07/11 19:27	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			12/07/11 19:27	1

Client Sample ID: EW-103

Lab Sample ID: 660-45024-3

Date Collected: 12/06/11 08:20
Matrix: Water
Date Received: 12/06/11 12:10

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			12/07/11 19:27	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/07/11 19:27	1
o-Xylene	0.50	U	1.0	0.50	ug/L			12/07/11 19:27	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			12/07/11 19:27	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			12/07/11 19:27	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			12/07/11 19:27	1
2-Hexanone	4.4	U	10	4.4	ug/L			12/07/11 19:27	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			12/07/11 19:27	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			12/07/11 19:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*70 - 130*		*12/07/11 19:27*	*1*
4-Bromofluorobenzene	*100*		*70 - 130*		*12/07/11 19:27*	*1*
Dibromofluoromethane	*102*		*70 - 130*		*12/07/11 19:27*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			12/07/11 17:50	1

Method: 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**57**	**I**	200	50	ug/L		12/07/11 09:43	12/08/11 09:15	1
Arsenic	4.0	U	10	4.0	ug/L		12/07/11 09:43	12/08/11 09:15	1
Beryllium	0.50	U	2.0	0.50	ug/L		12/07/11 09:43	12/08/11 09:15	1
Cadmium	1.0	U	4.0	1.0	ug/L		12/07/11 09:43	12/08/11 09:15	1
Chromium	2.0	U	10	2.0	ug/L		12/07/11 09:43	12/08/11 09:15	1
Copper	2.9	U	10	2.9	ug/L		12/07/11 09:43	12/08/11 09:15	1
Iron	**940**		200	50	ug/L		12/07/11 09:43	12/08/11 09:15	1
Nickel	**2.3**	**I**	8.0	2.0	ug/L		12/07/11 09:43	12/08/11 09:15	1
Lead	2.0	U	10	2.0	ug/L		12/07/11 09:43	12/08/11 09:15	1
Zinc	5.0	U	20	5.0	ug/L		12/07/11 09:43	12/08/11 09:15	1

Client Sample ID: EW-104

Lab Sample ID: 660-45024-4

Date Collected: 12/06/11 08:30
Matrix: Water
Date Received: 12/06/11 12:10

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			12/07/11 21:57	1
Benzene	0.50	U	1.0	0.50	ug/L			12/07/11 21:57	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			12/07/11 21:57	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			12/07/11 21:57	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			12/07/11 21:57	1
Bromoform	0.58	U	1.0	0.58	ug/L			12/07/11 21:57	1
Bromomethane	2.5	U	5.0	2.5	ug/L			12/07/11 21:57	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			12/07/11 21:57	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			12/07/11 21:57	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			12/07/11 21:57	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			12/07/11 21:57	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			12/07/11 21:57	1

Client Sample ID: EW-104
Date Collected: 12/06/11 08:30
Date Received: 12/06/11 12:10

Lab Sample ID: 660-45024-4
Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	2.5	U	5.0	2.5	ug/L			12/07/11 21:57	1
Chloroform	0.90	U	1.0	0.90	ug/L			12/07/11 21:57	1
Chloromethane	1.0	U	4.0	1.0	ug/L			12/07/11 21:57	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			12/07/11 21:57	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			12/07/11 21:57	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			12/07/11 21:57	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			12/07/11 21:57	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			12/07/11 21:57	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			12/07/11 21:57	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			12/07/11 21:57	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			12/07/11 21:57	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			12/07/11 21:57	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			12/07/11 21:57	1
1,1-Dichloroethane	**19**		1.0	0.52	ug/L			12/07/11 21:57	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			12/07/11 21:57	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			12/07/11 21:57	1
1,1-Dichloroethene	**28**		1.0	0.45	ug/L			12/07/11 21:57	1
cis-1,2-Dichloroethene	**33**		1.0	0.65	ug/L			12/07/11 21:57	1
trans-1,2-Dichloroethene	**1.8**		1.0	0.44	ug/L			12/07/11 21:57	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			12/07/11 21:57	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			12/07/11 21:57	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/07/11 21:57	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			12/07/11 21:57	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/07/11 21:57	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/07/11 21:57	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			12/07/11 21:57	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			12/07/11 21:57	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			12/07/11 21:57	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			12/07/11 21:57	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			12/07/11 21:57	1
Naphthalene	2.5	U	5.0	2.5	ug/L			12/07/11 21:57	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			12/07/11 21:57	1
Styrene	0.98	U	2.0	0.98	ug/L			12/07/11 21:57	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			12/07/11 21:57	1
Tetrachloroethene	**3.4**		1.0	0.50	ug/L			12/07/11 21:57	1
Toluene	1.0	U	1.0	1.0	ug/L			12/07/11 21:57	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			12/07/11 21:57	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			12/07/11 21:57	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			12/07/11 21:57	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			12/07/11 21:57	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			12/07/11 21:57	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			12/07/11 21:57	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			12/07/11 21:57	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			12/07/11 21:57	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/07/11 21:57	1
o-Xylene	0.50	U	1.0	0.50	ug/L			12/07/11 21:57	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			12/07/11 21:57	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			12/07/11 21:57	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			12/07/11 21:57	1
2-Hexanone	4.4	U	10	4.4	ug/L			12/07/11 21:57	1

Client Sample ID: EW-104

Lab Sample ID: 660-45024-4

Date Collected: 12/06/11 08:30
Date Received: 12/06/11 12:10

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			12/07/11 21:57	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			12/07/11 21:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*70 - 130*		*12/07/11 21:57*	*1*
4-Bromofluorobenzene	*102*		*70 - 130*		*12/07/11 21:57*	*1*
Dibromofluoromethane	*107*		*70 - 130*		*12/07/11 21:57*	*1*

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	**370**		10	5.0	ug/L			12/07/11 19:43	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*70 - 130*		*12/07/11 19:43*	*10*
4-Bromofluorobenzene	*103*		*70 - 130*		*12/07/11 19:43*	*10*
Dibromofluoromethane	*101*		*70 - 130*		*12/07/11 19:43*	*10*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**59**		2.0	1.0	ug/L			12/07/11 19:11	1

Method: 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	50	U	200	50	ug/L		12/07/11 09:43	12/08/11 09:19	1
Arsenic	4.0	U	10	4.0	ug/L		12/07/11 09:43	12/08/11 09:19	1
Beryllium	0.50	U	2.0	0.50	ug/L		12/07/11 09:43	12/08/11 09:19	1
Cadmium	1.0	U	4.0	1.0	ug/L		12/07/11 09:43	12/08/11 09:19	1
Chromium	2.0	U	10	2.0	ug/L		12/07/11 09:43	12/08/11 09:19	1
Copper	2.9	U	10	2.9	ug/L		12/07/11 09:43	12/08/11 09:19	1
Iron	**13000**		200	50	ug/L		12/07/11 09:43	12/08/11 09:19	1
Nickel	2.0	U	8.0	2.0	ug/L		12/07/11 09:43	12/08/11 09:19	1
Lead	2.0	U	10	2.0	ug/L		12/07/11 09:43	12/08/11 09:19	1
Zinc	5.0	U	20	5.0	ug/L		12/07/11 09:43	12/08/11 09:19	1

Client Sample ID: EW-105

Lab Sample ID: 660-45024-5

Date Collected: 12/06/11 08:40
Date Received: 12/06/11 12:10

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			12/07/11 22:14	1
Benzene	0.50	U	1.0	0.50	ug/L			12/07/11 22:14	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			12/07/11 22:14	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			12/07/11 22:14	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			12/07/11 22:14	1
Bromoform	0.58	U	1.0	0.58	ug/L			12/07/11 22:14	1
Bromomethane	2.5	U	5.0	2.5	ug/L			12/07/11 22:14	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			12/07/11 22:14	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			12/07/11 22:14	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			12/07/11 22:14	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			12/07/11 22:14	1

Client Sample ID: EW-105
Date Collected: 12/06/11 08:40
Date Received: 12/06/11 12:10

Lab Sample ID: 660-45024-5
Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	0.63	U	1.0	0.63	ug/L			12/07/11 22:14	1
Chloroethane	2.5	U	5.0	2.5	ug/L			12/07/11 22:14	1
Chloroform	0.90	U	1.0	0.90	ug/L			12/07/11 22:14	1
Chloromethane	1.0	U	4.0	1.0	ug/L			12/07/11 22:14	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			12/07/11 22:14	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			12/07/11 22:14	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			12/07/11 22:14	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			12/07/11 22:14	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			12/07/11 22:14	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			12/07/11 22:14	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			12/07/11 22:14	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			12/07/11 22:14	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			12/07/11 22:14	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			12/07/11 22:14	1
1,1-Dichloroethane	**9.2**		1.0	0.52	ug/L			12/07/11 22:14	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			12/07/11 22:14	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			12/07/11 22:14	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			12/07/11 22:14	1
cis-1,2-Dichloroethene	**13**		1.0	0.65	ug/L			12/07/11 22:14	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			12/07/11 22:14	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			12/07/11 22:14	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			12/07/11 22:14	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/07/11 22:14	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			12/07/11 22:14	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/07/11 22:14	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/07/11 22:14	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			12/07/11 22:14	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			12/07/11 22:14	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			12/07/11 22:14	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			12/07/11 22:14	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			12/07/11 22:14	1
Naphthalene	2.5	U	5.0	2.5	ug/L			12/07/11 22:14	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			12/07/11 22:14	1
Styrene	0.98	U	2.0	0.98	ug/L			12/07/11 22:14	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			12/07/11 22:14	1
Tetrachloroethene	**23**		1.0	0.50	ug/L			12/07/11 22:14	1
Toluene	1.0	U	1.0	1.0	ug/L			12/07/11 22:14	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			12/07/11 22:14	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			12/07/11 22:14	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			12/07/11 22:14	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			12/07/11 22:14	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			12/07/11 22:14	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			12/07/11 22:14	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			12/07/11 22:14	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			12/07/11 22:14	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/07/11 22:14	1
o-Xylene	0.50	U	1.0	0.50	ug/L			12/07/11 22:14	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			12/07/11 22:14	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			12/07/11 22:14	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			12/07/11 22:14	1

Client Sample ID: EW-105

Lab Sample ID: 660-45024-5

Date Collected: 12/06/11 08:40
Matrix: Water
Date Received: 12/06/11 12:10

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	4.4	U	10	4.4	ug/L			12/07/11 22:14	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			12/07/11 22:14	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			12/07/11 22:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*70 - 130*		*12/07/11 22:14*	*1*
4-Bromofluorobenzene	*98*		*70 - 130*		*12/07/11 22:14*	*1*
Dibromofluoromethane	*105*		*70 - 130*		*12/07/11 22:14*	*1*

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	**230**		10	5.0	ug/L			12/07/11 20:00	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*70 - 130*		*12/07/11 20:00*	*10*
4-Bromofluorobenzene	*99*		*70 - 130*		*12/07/11 20:00*	*10*
Dibromofluoromethane	*105*		*70 - 130*		*12/07/11 20:00*	*10*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**32**		2.0	1.0	ug/L			12/09/11 09:36	1

Method: 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**120**	**I**	200	50	ug/L		12/07/11 09:43	12/08/11 09:29	1
Arsenic	**6.0**	**I**	10	4.0	ug/L		12/07/11 09:43	12/08/11 09:29	1
Beryllium	0.50	U	2.0	0.50	ug/L		12/07/11 09:43	12/08/11 09:29	1
Cadmium	1.0	U	4.0	1.0	ug/L		12/07/11 09:43	12/08/11 09:29	1
Chromium	2.0	U	10	2.0	ug/L		12/07/11 09:43	12/08/11 09:29	1
Copper	2.9	U	10	2.9	ug/L		12/07/11 09:43	12/08/11 09:29	1
Iron	**10000**		200	50	ug/L		12/07/11 09:43	12/08/11 09:29	1
Nickel	**25**		8.0	2.0	ug/L		12/07/11 09:43	12/08/11 09:29	1
Lead	2.0	U	10	2.0	ug/L		12/07/11 09:43	12/08/11 09:29	1
Zinc	**8.2**	**I**	20	5.0	ug/L		12/07/11 09:43	12/08/11 09:29	1

Client Sample ID: EW-106

Lab Sample ID: 660-45024-6

Date Collected: 12/06/11 08:50
Matrix: Water
Date Received: 12/06/11 12:10

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			12/07/11 22:31	1
Benzene	0.50	U	1.0	0.50	ug/L			12/07/11 22:31	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			12/07/11 22:31	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			12/07/11 22:31	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			12/07/11 22:31	1
Bromoform	0.58	U	1.0	0.58	ug/L			12/07/11 22:31	1
Bromomethane	2.5	U	5.0	2.5	ug/L			12/07/11 22:31	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			12/07/11 22:31	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			12/07/11 22:31	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			12/07/11 22:31	1

Client Sample ID: EW-106

Date Collected: 12/06/11 08:50
Date Received: 12/06/11 12:10

Lab Sample ID: 660-45024-6

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			12/07/11 22:31	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			12/07/11 22:31	1
Chloroethane	2.5	U	5.0	2.5	ug/L			12/07/11 22:31	1
Chloroform	0.90	U	1.0	0.90	ug/L			12/07/11 22:31	1
Chloromethane	1.0	U	4.0	1.0	ug/L			12/07/11 22:31	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			12/07/11 22:31	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			12/07/11 22:31	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			12/07/11 22:31	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			12/07/11 22:31	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			12/07/11 22:31	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			12/07/11 22:31	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			12/07/11 22:31	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			12/07/11 22:31	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			12/07/11 22:31	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			12/07/11 22:31	1
1,1-Dichloroethane	**24**		1.0	0.52	ug/L			12/07/11 22:31	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			12/07/11 22:31	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			12/07/11 22:31	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			12/07/11 22:31	1
cis-1,2-Dichloroethene	**41**		1.0	0.65	ug/L			12/07/11 22:31	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			12/07/11 22:31	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			12/07/11 22:31	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			12/07/11 22:31	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/07/11 22:31	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			12/07/11 22:31	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/07/11 22:31	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/07/11 22:31	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			12/07/11 22:31	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			12/07/11 22:31	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			12/07/11 22:31	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			12/07/11 22:31	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			12/07/11 22:31	1
Naphthalene	2.5	U	5.0	2.5	ug/L			12/07/11 22:31	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			12/07/11 22:31	1
Styrene	0.98	U	2.0	0.98	ug/L			12/07/11 22:31	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			12/07/11 22:31	1
Tetrachloroethene	**30**		1.0	0.50	ug/L			12/07/11 22:31	1
Toluene	1.0	U	1.0	1.0	ug/L			12/07/11 22:31	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			12/07/11 22:31	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			12/07/11 22:31	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			12/07/11 22:31	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			12/07/11 22:31	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			12/07/11 22:31	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			12/07/11 22:31	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			12/07/11 22:31	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			12/07/11 22:31	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/07/11 22:31	1
o-Xylene	0.50	U	1.0	0.50	ug/L			12/07/11 22:31	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			12/07/11 22:31	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			12/07/11 22:31	1

Client Sample ID: EW-106

Lab Sample ID: 660-45024-6

Date Collected: 12/06/11 08:50
Matrix: Water
Date Received: 12/06/11 12:10

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	1.0	U	2.0	1.0	ug/L			12/07/11 22:31	1
2-Hexanone	4.4	U	10	4.4	ug/L			12/07/11 22:31	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			12/07/11 22:31	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			12/07/11 22:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*70 - 130*		*12/07/11 22:31*	*1*
4-Bromofluorobenzene	*103*		*70 - 130*		*12/07/11 22:31*	*1*
Dibromofluoromethane	*102*		*70 - 130*		*12/07/11 22:31*	*1*

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	**1100**		10	5.0	ug/L			12/07/11 20:17	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*70 - 130*		*12/07/11 20:17*	*10*
4-Bromofluorobenzene	*102*		*70 - 130*		*12/07/11 20:17*	*10*
Dibromofluoromethane	*102*		*70 - 130*		*12/07/11 20:17*	*10*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**64**		40	20	ug/L			12/09/11 15:54	20

Method: 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	50	U	200	50	ug/L		12/07/11 09:43	12/08/11 09:32	1
Arsenic	**20**		10	4.0	ug/L		12/07/11 09:43	12/08/11 09:32	1
Beryllium	0.50	U	2.0	0.50	ug/L		12/07/11 09:43	12/08/11 09:32	1
Cadmium	1.0	U	4.0	1.0	ug/L		12/07/11 09:43	12/08/11 09:32	1
Chromium	2.0	U	10	2.0	ug/L		12/07/11 09:43	12/08/11 09:32	1
Copper	2.9	U	10	2.9	ug/L		12/07/11 09:43	12/08/11 09:32	1
Iron	**44000**		200	50	ug/L		12/07/11 09:43	12/08/11 09:32	1
Nickel	**13**		8.0	2.0	ug/L		12/07/11 09:43	12/08/11 09:32	1
Lead	2.0	U	10	2.0	ug/L		12/07/11 09:43	12/08/11 09:32	1
Zinc	5.0	U	20	5.0	ug/L		12/07/11 09:43	12/08/11 09:32	1

Client Sample ID: EW-107

Lab Sample ID: 660-45024-7

Date Collected: 12/06/11 09:00
Matrix: Water
Date Received: 12/06/11 12:10

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			12/07/11 20:34	1
Benzene	0.50	U	1.0	0.50	ug/L			12/07/11 20:34	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			12/07/11 20:34	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			12/07/11 20:34	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			12/07/11 20:34	1
Bromoform	0.58	U	1.0	0.58	ug/L			12/07/11 20:34	1
Bromomethane	2.5	U	5.0	2.5	ug/L			12/07/11 20:34	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			12/07/11 20:34	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			12/07/11 20:34	1

Client Sample ID: EW-107
Date Collected: 12/06/11 09:00
Date Received: 12/06/11 12:10

Lab Sample ID: 660-45024-7
Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			12/07/11 20:34	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			12/07/11 20:34	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			12/07/11 20:34	1
Chloroethane	2.5	U	5.0	2.5	ug/L			12/07/11 20:34	1
Chloroform	0.90	U	1.0	0.90	ug/L			12/07/11 20:34	1
Chloromethane	1.0	U	4.0	1.0	ug/L			12/07/11 20:34	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			12/07/11 20:34	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			12/07/11 20:34	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			12/07/11 20:34	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			12/07/11 20:34	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			12/07/11 20:34	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			12/07/11 20:34	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			12/07/11 20:34	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			12/07/11 20:34	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			12/07/11 20:34	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			12/07/11 20:34	1
1,1-Dichloroethane	**1.5**		1.0	0.52	ug/L			12/07/11 20:34	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			12/07/11 20:34	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			12/07/11 20:34	1
1,1-Dichloroethene	**1.5**		1.0	0.45	ug/L			12/07/11 20:34	1
cis-1,2-Dichloroethene	**2.4**		1.0	0.65	ug/L			12/07/11 20:34	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			12/07/11 20:34	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			12/07/11 20:34	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			12/07/11 20:34	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/07/11 20:34	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			12/07/11 20:34	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/07/11 20:34	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/07/11 20:34	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			12/07/11 20:34	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			12/07/11 20:34	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			12/07/11 20:34	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			12/07/11 20:34	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			12/07/11 20:34	1
Naphthalene	2.5	U	5.0	2.5	ug/L			12/07/11 20:34	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			12/07/11 20:34	1
Styrene	0.98	U	2.0	0.98	ug/L			12/07/11 20:34	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			12/07/11 20:34	1
Tetrachloroethene	**24**		1.0	0.50	ug/L			12/07/11 20:34	1
Toluene	1.0	U	1.0	1.0	ug/L			12/07/11 20:34	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			12/07/11 20:34	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			12/07/11 20:34	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			12/07/11 20:34	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			12/07/11 20:34	1
Trichloroethene	**82**		1.0	0.50	ug/L			12/07/11 20:34	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			12/07/11 20:34	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			12/07/11 20:34	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			12/07/11 20:34	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			12/07/11 20:34	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/07/11 20:34	1
o-Xylene	0.50	U	1.0	0.50	ug/L			12/07/11 20:34	1

Client Sample ID: EW-107

Lab Sample ID: 660-45024-7

Date Collected: 12/06/11 09:00

Matrix: Water

Date Received: 12/06/11 12:10

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			12/07/11 20:34	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			12/07/11 20:34	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			12/07/11 20:34	1
2-Hexanone	4.4	U	10	4.4	ug/L			12/07/11 20:34	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			12/07/11 20:34	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			12/07/11 20:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*70 - 130*		*12/07/11 20:34*	*1*
4-Bromofluorobenzene	*100*		*70 - 130*		*12/07/11 20:34*	*1*
Dibromofluoromethane	*102*		*70 - 130*		*12/07/11 20:34*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**7.8**		2.0	1.0	ug/L			12/09/11 11:26	1

Method: 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**220**		200	50	ug/L		12/07/11 09:43	12/08/11 09:35	1
Arsenic	4.0	U	10	4.0	ug/L		12/07/11 09:43	12/08/11 09:35	1
Beryllium	0.50	U	2.0	0.50	ug/L		12/07/11 09:43	12/08/11 09:35	1
Cadmium	1.0	U	4.0	1.0	ug/L		12/07/11 09:43	12/08/11 09:35	1
Chromium	2.0	U	10	2.0	ug/L		12/07/11 09:43	12/08/11 09:35	1
Copper	2.9	U	10	2.9	ug/L		12/07/11 09:43	12/08/11 09:35	1
Iron	**28000**		200	50	ug/L		12/07/11 09:43	12/08/11 09:35	1
Nickel	2.0	U	8.0	2.0	ug/L		12/07/11 09:43	12/08/11 09:35	1
Lead	2.0	U	10	2.0	ug/L		12/07/11 09:43	12/08/11 09:35	1
Zinc	5.0	U	20	5.0	ug/L		12/07/11 09:43	12/08/11 09:35	1

Client Sample ID: EW-108

Lab Sample ID: 660-45024-8

Date Collected: 12/06/11 09:10

Matrix: Water

Date Received: 12/06/11 12:10

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			12/07/11 22:48	1
Benzene	0.50	U	1.0	0.50	ug/L			12/07/11 22:48	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			12/07/11 22:48	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			12/07/11 22:48	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			12/07/11 22:48	1
Bromoform	0.58	U	1.0	0.58	ug/L			12/07/11 22:48	1
Bromomethane	2.5	U	5.0	2.5	ug/L			12/07/11 22:48	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			12/07/11 22:48	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			12/07/11 22:48	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			12/07/11 22:48	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			12/07/11 22:48	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			12/07/11 22:48	1
Chloroethane	2.5	U	5.0	2.5	ug/L			12/07/11 22:48	1
Chloroform	0.90	U	1.0	0.90	ug/L			12/07/11 22:48	1
Chloromethane	1.0	U	4.0	1.0	ug/L			12/07/11 22:48	1

Client Sample ID: EW-108
Date Collected: 12/06/11 09:10
Date Received: 12/06/11 12:10

Lab Sample ID: 660-45024-8
Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			12/07/11 22:48	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			12/07/11 22:48	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			12/07/11 22:48	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			12/07/11 22:48	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			12/07/11 22:48	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			12/07/11 22:48	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			12/07/11 22:48	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			12/07/11 22:48	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			12/07/11 22:48	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			12/07/11 22:48	1
1,1-Dichloroethane	**79**		1.0	0.52	ug/L			12/07/11 22:48	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			12/07/11 22:48	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			12/07/11 22:48	1
cis-1,2-Dichloroethene	**22**		1.0	0.65	ug/L			12/07/11 22:48	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			12/07/11 22:48	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			12/07/11 22:48	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			12/07/11 22:48	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/07/11 22:48	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			12/07/11 22:48	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/07/11 22:48	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/07/11 22:48	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			12/07/11 22:48	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			12/07/11 22:48	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			12/07/11 22:48	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			12/07/11 22:48	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			12/07/11 22:48	1
Naphthalene	2.5	U	5.0	2.5	ug/L			12/07/11 22:48	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			12/07/11 22:48	1
Styrene	0.98	U	2.0	0.98	ug/L			12/07/11 22:48	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			12/07/11 22:48	1
Tetrachloroethene	**31**		1.0	0.50	ug/L			12/07/11 22:48	1
Toluene	1.0	U	1.0	1.0	ug/L			12/07/11 22:48	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			12/07/11 22:48	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			12/07/11 22:48	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			12/07/11 22:48	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			12/07/11 22:48	1
Trichloroethene	**120**		1.0	0.50	ug/L			12/07/11 22:48	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			12/07/11 22:48	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			12/07/11 22:48	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			12/07/11 22:48	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			12/07/11 22:48	1
Vinyl chloride	**1.6**		1.0	0.50	ug/L			12/07/11 22:48	1
o-Xylene	0.50	U	1.0	0.50	ug/L			12/07/11 22:48	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			12/07/11 22:48	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			12/07/11 22:48	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			12/07/11 22:48	1
2-Hexanone	4.4	U	10	4.4	ug/L			12/07/11 22:48	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			12/07/11 22:48	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			12/07/11 22:48	1

Client Sample ID: EW-108

Lab Sample ID: 660-45024-8

Date Collected: 12/06/11 09:10

Matrix: Water

Date Received: 12/06/11 12:10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*70 - 130*		*12/07/11 22:48*	*1*
4-Bromofluorobenzene	*100*		*70 - 130*		*12/07/11 22:48*	*1*
Dibromofluoromethane	*103*		*70 - 130*		*12/07/11 22:48*	*1*

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	**250**		10	4.5	ug/L			12/07/11 20:50	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*70 - 130*		*12/07/11 20:50*	*10*
4-Bromofluorobenzene	*100*		*70 - 130*		*12/07/11 20:50*	*10*
Dibromofluoromethane	*100*		*70 - 130*		*12/07/11 20:50*	*10*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**380**		20	10	ug/L			12/09/11 11:48	10

Method: 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	50	U	200	50	ug/L		12/07/11 09:43	12/08/11 09:39	1
Arsenic	4.0	U	10	4.0	ug/L		12/07/11 09:43	12/08/11 09:39	1
Beryllium	0.50	U	2.0	0.50	ug/L		12/07/11 09:43	12/08/11 09:39	1
Cadmium	1.0	U	4.0	1.0	ug/L		12/07/11 09:43	12/08/11 09:39	1
Chromium	2.0	U	10	2.0	ug/L		12/07/11 09:43	12/08/11 09:39	1
Copper	2.9	U	10	2.9	ug/L		12/07/11 09:43	12/08/11 09:39	1
Iron	**3800**		200	50	ug/L		12/07/11 09:43	12/08/11 09:39	1
Nickel	2.0	U	8.0	2.0	ug/L		12/07/11 09:43	12/08/11 09:39	1
Lead	2.0	U	10	2.0	ug/L		12/07/11 09:43	12/08/11 09:39	1
Zinc	5.0	U	20	5.0	ug/L		12/07/11 09:43	12/08/11 09:39	1

Client Sample ID: EW-109

Lab Sample ID: 660-45024-9

Date Collected: 12/06/11 09:20

Matrix: Water

Date Received: 12/06/11 12:10

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			12/07/11 21:07	1
Benzene	0.50	U	1.0	0.50	ug/L			12/07/11 21:07	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			12/07/11 21:07	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			12/07/11 21:07	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			12/07/11 21:07	1
Bromoform	0.58	U	1.0	0.58	ug/L			12/07/11 21:07	1
Bromomethane	2.5	U	5.0	2.5	ug/L			12/07/11 21:07	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			12/07/11 21:07	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			12/07/11 21:07	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			12/07/11 21:07	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			12/07/11 21:07	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			12/07/11 21:07	1
Chloroethane	2.5	U	5.0	2.5	ug/L			12/07/11 21:07	1
Chloroform	0.90	U	1.0	0.90	ug/L			12/07/11 21:07	1
Chloromethane	1.0	U	4.0	1.0	ug/L			12/07/11 21:07	1

Client Sample ID: EW-109
Date Collected: 12/06/11 09:20
Date Received: 12/06/11 12:10

Lab Sample ID: 660-45024-9
Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			12/07/11 21:07	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			12/07/11 21:07	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			12/07/11 21:07	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			12/07/11 21:07	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			12/07/11 21:07	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			12/07/11 21:07	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			12/07/11 21:07	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			12/07/11 21:07	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			12/07/11 21:07	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			12/07/11 21:07	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			12/07/11 21:07	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			12/07/11 21:07	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			12/07/11 21:07	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			12/07/11 21:07	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			12/07/11 21:07	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			12/07/11 21:07	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			12/07/11 21:07	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			12/07/11 21:07	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/07/11 21:07	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			12/07/11 21:07	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/07/11 21:07	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/07/11 21:07	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			12/07/11 21:07	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			12/07/11 21:07	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			12/07/11 21:07	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			12/07/11 21:07	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			12/07/11 21:07	1
Naphthalene	2.5	U	5.0	2.5	ug/L			12/07/11 21:07	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			12/07/11 21:07	1
Styrene	0.98	U	2.0	0.98	ug/L			12/07/11 21:07	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			12/07/11 21:07	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			12/07/11 21:07	1
Toluene	1.0	U	1.0	1.0	ug/L			12/07/11 21:07	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			12/07/11 21:07	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			12/07/11 21:07	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			12/07/11 21:07	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			12/07/11 21:07	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			12/07/11 21:07	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			12/07/11 21:07	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			12/07/11 21:07	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			12/07/11 21:07	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			12/07/11 21:07	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/07/11 21:07	1
o-Xylene	0.50	U	1.0	0.50	ug/L			12/07/11 21:07	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			12/07/11 21:07	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			12/07/11 21:07	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			12/07/11 21:07	1
2-Hexanone	4.4	U	10	4.4	ug/L			12/07/11 21:07	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			12/07/11 21:07	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			12/07/11 21:07	1

Client Sample ID: EW-109

Lab Sample ID: 660-45024-9

Date Collected: 12/06/11 09:20

Matrix: Water

Date Received: 12/06/11 12:10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*70 - 130*		*12/07/11 21:07*	*1*
4-Bromofluorobenzene	*97*		*70 - 130*		*12/07/11 21:07*	*1*
Dibromofluoromethane	*99*		*70 - 130*		*12/07/11 21:07*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			12/09/11 12:10	1

Method: 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**500**		200	50	ug/L		12/07/11 09:43	12/08/11 09:42	1
Arsenic	4.0	U	10	4.0	ug/L		12/07/11 09:43	12/08/11 09:42	1
Beryllium	0.50	U	2.0	0.50	ug/L		12/07/11 09:43	12/08/11 09:42	1
Cadmium	1.0	U	4.0	1.0	ug/L		12/07/11 09:43	12/08/11 09:42	1
Chromium	2.0	U	10	2.0	ug/L		12/07/11 09:43	12/08/11 09:42	1
Copper	2.9	U	10	2.9	ug/L		12/07/11 09:43	12/08/11 09:42	1
Iron	**10000**		200	50	ug/L		12/07/11 09:43	12/08/11 09:42	1
Nickel	2.0	U	8.0	2.0	ug/L		12/07/11 09:43	12/08/11 09:42	1
Lead	2.0	U	10	2.0	ug/L		12/07/11 09:43	12/08/11 09:42	1
Zinc	5.0	U	20	5.0	ug/L		12/07/11 09:43	12/08/11 09:42	1

Client Sample ID: EW-110

Lab Sample ID: 660-45024-10

Date Collected: 12/06/11 09:30

Matrix: Water

Date Received: 12/06/11 12:10

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			12/07/11 21:24	1
Benzene	0.50	U	1.0	0.50	ug/L			12/07/11 21:24	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			12/07/11 21:24	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			12/07/11 21:24	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			12/07/11 21:24	1
Bromoform	0.58	U	1.0	0.58	ug/L			12/07/11 21:24	1
Bromomethane	2.5	U	5.0	2.5	ug/L			12/07/11 21:24	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			12/07/11 21:24	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			12/07/11 21:24	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			12/07/11 21:24	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			12/07/11 21:24	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			12/07/11 21:24	1
Chloroethane	2.5	U	5.0	2.5	ug/L			12/07/11 21:24	1
Chloroform	0.90	U	1.0	0.90	ug/L			12/07/11 21:24	1
Chloromethane	1.0	U	4.0	1.0	ug/L			12/07/11 21:24	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			12/07/11 21:24	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			12/07/11 21:24	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			12/07/11 21:24	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			12/07/11 21:24	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			12/07/11 21:24	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			12/07/11 21:24	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			12/07/11 21:24	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			12/07/11 21:24	1

Client Sample ID: EW-110

Date Collected: 12/06/11 09:30
Date Received: 12/06/11 12:10

Lab Sample ID: 660-45024-10

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			12/07/11 21:24	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			12/07/11 21:24	1
1,1-Dichloroethane	**11**		1.0	0.52	ug/L			12/07/11 21:24	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			12/07/11 21:24	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			12/07/11 21:24	1
1,1-Dichloroethene	**32**		1.0	0.45	ug/L			12/07/11 21:24	1
cis-1,2-Dichloroethene	**2.3**		1.0	0.65	ug/L			12/07/11 21:24	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			12/07/11 21:24	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			12/07/11 21:24	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			12/07/11 21:24	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/07/11 21:24	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			12/07/11 21:24	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/07/11 21:24	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/07/11 21:24	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			12/07/11 21:24	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			12/07/11 21:24	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			12/07/11 21:24	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			12/07/11 21:24	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			12/07/11 21:24	1
Naphthalene	2.5	U	5.0	2.5	ug/L			12/07/11 21:24	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			12/07/11 21:24	1
Styrene	0.98	U	2.0	0.98	ug/L			12/07/11 21:24	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			12/07/11 21:24	1
Tetrachloroethene	**5.7**		1.0	0.50	ug/L			12/07/11 21:24	1
Toluene	1.0	U	1.0	1.0	ug/L			12/07/11 21:24	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			12/07/11 21:24	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			12/07/11 21:24	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			12/07/11 21:24	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			12/07/11 21:24	1
Trichloroethene	**15**		1.0	0.50	ug/L			12/07/11 21:24	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			12/07/11 21:24	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			12/07/11 21:24	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			12/07/11 21:24	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			12/07/11 21:24	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/07/11 21:24	1
o-Xylene	0.50	U	1.0	0.50	ug/L			12/07/11 21:24	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			12/07/11 21:24	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			12/07/11 21:24	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			12/07/11 21:24	1
2-Hexanone	4.4	U	10	4.4	ug/L			12/07/11 21:24	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			12/07/11 21:24	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			12/07/11 21:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*70 - 130*		*12/07/11 21:24*	*1*
4-Bromofluorobenzene	*103*		*70 - 130*		*12/07/11 21:24*	*1*
Dibromofluoromethane	*96*		*70 - 130*		*12/07/11 21:24*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**8.5**		2.0	1.0	ug/L			12/09/11 12:31	1

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Quarterly Extraction Wells

TestAmerica Job ID: 660-45024-1

Method: 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**270**		200	50	ug/L		12/07/11 09:43	12/08/11 09:46	1
Arsenic	**12**		10	4.0	ug/L		12/07/11 09:43	12/08/11 09:46	1
Beryllium	0.50	U	2.0	0.50	ug/L		12/07/11 09:43	12/08/11 09:46	1
Cadmium	1.0	U	4.0	1.0	ug/L		12/07/11 09:43	12/08/11 09:46	1
Chromium	2.0	U	10	2.0	ug/L		12/07/11 09:43	12/08/11 09:46	1
Copper	2.9	U	10	2.9	ug/L		12/07/11 09:43	12/08/11 09:46	1
Iron	**57000**		200	50	ug/L		12/07/11 09:43	12/08/11 09:46	1
Nickel	2.0	U	8.0	2.0	ug/L		12/07/11 09:43	12/08/11 09:46	1
Lead	2.0	U	10	2.0	ug/L		12/07/11 09:43	12/08/11 09:46	1
Zinc	5.0	U	20	5.0	ug/L		12/07/11 09:43	12/08/11 09:46	1

Surrogate Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Quarterly Extraction Wells

TestAmerica Job ID: 660-45024-1

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)
660-45024-1 - DL	EW-101	102	101	104
660-45024-1	EW-101	99	100	109
660-45024-2	EW-102	102	98	102
660-45024-2 MS	EW-102	101	101	96
660-45024-3	EW-103	101	100	102
660-45024-4 - DL	EW-104	100	103	101
660-45024-4	EW-104	100	102	107
660-45024-5 - DL	EW-105	102	99	105
660-45024-5	EW-105	101	98	105
660-45024-6 - DL	EW-106	101	102	102
660-45024-6	EW-106	98	103	102
660-45024-7	EW-107	102	100	102
660-45024-8 - DL	EW-108	100	100	100
660-45024-8	EW-108	102	100	103
660-45024-9	EW-109	101	97	99
660-45024-10	EW-110	101	103	96
660-45036-F-1 DU	Duplicate	101	91	104
LCS 660-118420/5	Lab Control Sample	100	100	94
MB 660-118420/7	Method Blank	101	98	98

Surrogate Legend

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene

DBFM = Dibromofluoromethane

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

Lab Sample ID: MB 660-118420/7
Matrix: Water
Analysis Batch: 118420

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			12/07/11 16:48	1
Benzene	0.50	U	1.0	0.50	ug/L			12/07/11 16:48	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			12/07/11 16:48	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			12/07/11 16:48	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			12/07/11 16:48	1
Bromoform	0.58	U	1.0	0.58	ug/L			12/07/11 16:48	1
Bromomethane	2.5	U	5.0	2.5	ug/L			12/07/11 16:48	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			12/07/11 16:48	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			12/07/11 16:48	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			12/07/11 16:48	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			12/07/11 16:48	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			12/07/11 16:48	1
Chloroethane	2.5	U	5.0	2.5	ug/L			12/07/11 16:48	1
Chloroform	0.90	U	1.0	0.90	ug/L			12/07/11 16:48	1
Chloromethane	1.0	U	4.0	1.0	ug/L			12/07/11 16:48	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			12/07/11 16:48	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			12/07/11 16:48	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			12/07/11 16:48	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			12/07/11 16:48	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			12/07/11 16:48	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			12/07/11 16:48	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			12/07/11 16:48	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			12/07/11 16:48	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			12/07/11 16:48	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			12/07/11 16:48	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			12/07/11 16:48	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			12/07/11 16:48	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			12/07/11 16:48	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			12/07/11 16:48	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			12/07/11 16:48	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			12/07/11 16:48	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			12/07/11 16:48	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			12/07/11 16:48	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/07/11 16:48	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			12/07/11 16:48	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/07/11 16:48	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/07/11 16:48	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			12/07/11 16:48	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			12/07/11 16:48	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			12/07/11 16:48	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			12/07/11 16:48	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			12/07/11 16:48	1
Naphthalene	2.5	U	5.0	2.5	ug/L			12/07/11 16:48	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			12/07/11 16:48	1
Styrene	0.98	U	2.0	0.98	ug/L			12/07/11 16:48	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			12/07/11 16:48	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			12/07/11 16:48	1
Toluene	1.0	U	1.0	1.0	ug/L			12/07/11 16:48	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			12/07/11 16:48	1

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

Lab Sample ID: MB 660-118420/7
Matrix: Water
Analysis Batch: 118420

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			12/07/11 16:48	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			12/07/11 16:48	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			12/07/11 16:48	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			12/07/11 16:48	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			12/07/11 16:48	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			12/07/11 16:48	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			12/07/11 16:48	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			12/07/11 16:48	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/07/11 16:48	1
o-Xylene	0.50	U	1.0	0.50	ug/L			12/07/11 16:48	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			12/07/11 16:48	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			12/07/11 16:48	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			12/07/11 16:48	1
2-Hexanone	4.4	U	10	4.4	ug/L			12/07/11 16:48	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			12/07/11 16:48	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			12/07/11 16:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*70 - 130*		*12/07/11 16:48*	*1*
4-Bromofluorobenzene	*98*		*70 - 130*		*12/07/11 16:48*	*1*
Dibromofluoromethane	*98*		*70 - 130*		*12/07/11 16:48*	*1*

Lab Sample ID: LCS 660-118420/5
Matrix: Water
Analysis Batch: 118420

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	40.0	45.7		ug/L		114	62 - 142
Benzene	20.0	18.4		ug/L		92	68 - 134
Bromobenzene	20.0	18.1		ug/L		90	70 - 130
Chlorobromomethane	20.0	17.4		ug/L		87	70 - 130
Dichlorobromomethane	20.0	19.2		ug/L		96	70 - 130
Bromoform	20.0	17.5		ug/L		88	65 - 130
Bromomethane	20.0	19.6		ug/L		98	22 - 150
n-Butylbenzene	20.0	19.0		ug/L		95	61 - 131
sec-Butylbenzene	20.0	19.2		ug/L		96	68 - 133
tert-Butylbenzene	20.0	19.1		ug/L		96	64 - 130
Carbon tetrachloride	20.0	18.6		ug/L		93	61 - 134
Chlorobenzene	20.0	19.2		ug/L		96	70 - 130
Chloroethane	20.0	21.4		ug/L		107	39 - 150
Chloroform	20.0	17.5		ug/L		88	68 - 130
Chloromethane	20.0	15.0		ug/L		75	35 - 150
2-Chlorotoluene	20.0	18.6		ug/L		93	70 - 130
4-Chlorotoluene	20.0	18.9		ug/L		95	70 - 130
Chlorodibromomethane	20.0	18.1		ug/L		91	70 - 130
1,2-Dibromo-3-Chloropropane	20.0	14.9		ug/L		74	63 - 130
Ethylene Dibromide	20.0	17.8		ug/L		89	66 - 130
Dibromomethane	20.0	17.9		ug/L		90	70 - 130
1,2-Dichlorobenzene	20.0	18.4		ug/L		92	70 - 130

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

Lab Sample ID: LCS 660-118420/5
Matrix: Water
Analysis Batch: 118420

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3-Dichlorobenzene	20.0	18.8		ug/L		94	70 - 130
1,4-Dichlorobenzene	20.0	18.6		ug/L		93	70 - 130
Dichlorodifluoromethane	20.0	12.5		ug/L		62	16 - 149
1,1-Dichloroethane	20.0	17.7		ug/L		89	66 - 130
1,2-Dichloroethane	20.0	17.7		ug/L		88	70 - 130
1,1,1,2-Tetrachloroethane	20.0	18.2		ug/L		91	70 - 130
1,1-Dichloroethene	20.0	16.1		ug/L		80	51 - 150
cis-1,2-Dichloroethene	20.0	17.9		ug/L		89	66 - 130
trans-1,2-Dichloroethene	20.0	18.4		ug/L		92	62 - 139
1,2-Dichloropropane	20.0	19.9		ug/L		99	70 - 130
1,3-Dichloropropane	20.0	18.6		ug/L		93	70 - 130
2,2-Dichloropropane	20.0	18.8		ug/L		94	66 - 134
1,1-Dichloropropene	20.0	18.6		ug/L		93	65 - 136
cis-1,3-Dichloropropene	20.0	19.1		ug/L		95	70 - 130
trans-1,3-Dichloropropene	20.0	18.3		ug/L		92	67 - 130
Ethylbenzene	20.0	19.8		ug/L		99	70 - 130
Hexachlorobutadiene	20.0	19.0		ug/L		95	62 - 143
Isopropylbenzene	20.0	19.9		ug/L		100	62 - 130
4-Isopropyltoluene	20.0	19.8		ug/L		99	65 - 134
Methylene Chloride	20.0	18.5		ug/L		93	57 - 130
Naphthalene	20.0	14.4		ug/L		72	50 - 136
N-Propylbenzene	20.0	19.3		ug/L		97	67 - 130
Styrene	20.0	18.6		ug/L		93	68 - 131
1,1,2,2-Tetrachloroethane	20.0	16.0		ug/L		80	70 - 130
Tetrachloroethene	20.0	18.7		ug/L		93	50 - 143
Toluene	20.0	18.2		ug/L		91	70 - 131
1,2,3-Trichlorobenzene	20.0	19.2		ug/L		96	58 - 132
1,2,4-Trichlorobenzene	20.0	16.7		ug/L		84	66 - 130
1,1,1-Trichloroethane	20.0	18.3		ug/L		91	63 - 132
1,1,2-Trichloroethane	20.0	18.0		ug/L		90	70 - 130
Trichloroethene	20.0	19.1		ug/L		96	63 - 139
Trichlorofluoromethane	20.0	25.6		ug/L		128	62 - 146
1,2,3-Trichloropropane	20.0	16.2		ug/L		81	66 - 130
1,2,4-Trimethylbenzene	20.0	18.9		ug/L		94	70 - 132
1,3,5-Trimethylbenzene	20.0	19.8		ug/L		99	65 - 134
Vinyl chloride	20.0	16.7		ug/L		84	48 - 147
o-Xylene	20.0	18.7		ug/L		94	69 - 130
2-Butanone (MEK)	40.0	34.0		ug/L		85	63 - 140
4-Methyl-2-pentanone (MIBK)	40.0	35.2		ug/L		88	64 - 137
Carbon disulfide	40.0	49.6		ug/L		124	30 - 150
2-Hexanone	40.0	35.5		ug/L		89	60 - 148
Methyl tert-butyl ether	40.0	38.9		ug/L		97	67 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*100*		*70 - 130*
4-Bromofluorobenzene	*100*		*70 - 130*
Dibromofluoromethane	*94*		*70 - 130*

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

Lab Sample ID: 660-45024-2 MS
Matrix: Water
Analysis Batch: 118420

Client Sample ID: EW-102
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	9.9	U	40.0	34.3		ug/L		86	62 - 142
Benzene	0.50	U	20.0	19.5		ug/L		98	68 - 134
Bromobenzene	0.58	U	20.0	19.6		ug/L		98	70 - 130
Chlorobromomethane	0.58	U	20.0	19.5		ug/L		98	70 - 130
Dichlorobromomethane	0.35	U	20.0	20.1		ug/L		101	70 - 130
Bromoform	0.58	U	20.0	18.2		ug/L		91	65 - 130
Bromomethane	2.5	U	20.0	20.0		ug/L		100	22 - 150
n-Butylbenzene	0.67	U	20.0	19.4		ug/L		97	61 - 131
sec-Butylbenzene	0.63	U	20.0	19.3		ug/L		96	68 - 133
tert-Butylbenzene	0.84	U	20.0	19.4		ug/L		97	64 - 130
Carbon tetrachloride	0.42	U	20.0	17.9		ug/L		89	61 - 134
Chlorobenzene	0.63	U	20.0	19.9		ug/L		100	70 - 130
Chloroethane	2.5	U	20.0	22.2		ug/L		111	39 - 150
Chloroform	0.90	U	20.0	19.0		ug/L		95	68 - 130
Chloromethane	1.0	U	20.0	14.2		ug/L		71	35 - 150
2-Chlorotoluene	0.65	U	20.0	19.4		ug/L		97	70 - 130
4-Chlorotoluene	0.52	U	20.0	19.8		ug/L		99	70 - 130
Chlorodibromomethane	0.34	U	20.0	19.7		ug/L		99	70 - 130
1,2-Dibromo-3-Chloropropane	2.5	U	20.0	16.2		ug/L		81	63 - 130
Ethylene Dibromide	0.50	U	20.0	19.2		ug/L		96	66 - 130
Dibromomethane	0.41	U	20.0	19.8		ug/L		99	70 - 130
1,2-Dichlorobenzene	0.44	U	20.0	19.6		ug/L		98	70 - 130
1,3-Dichlorobenzene	0.64	U	20.0	19.6		ug/L		98	70 - 130
1,4-Dichlorobenzene	0.52	U	20.0	19.5		ug/L		98	70 - 130
Dichlorodifluoromethane	2.5	U	20.0	10.1		ug/L		51	16 - 149
1,1-Dichloroethane	7.5		20.0	24.3		ug/L		84	66 - 130
1,2-Dichloroethane	0.57	U	20.0	19.9		ug/L		100	70 - 130
1,1,1,2-Tetrachloroethane	0.63	U	20.0	19.3		ug/L		96	70 - 130
1,1-Dichloroethene	48	J3	20.0	49.7	J3	ug/L		9	51 - 150
cis-1,2-Dichloroethene	13		20.0	30.7		ug/L		88	66 - 130
trans-1,2-Dichloroethene	0.44	U	20.0	19.9		ug/L		99	62 - 139
1,2-Dichloropropane	0.52	U	20.0	20.7		ug/L		104	70 - 130
1,3-Dichloropropane	0.39	U	20.0	20.1		ug/L		100	70 - 130
2,2-Dichloropropane	0.36	U	20.0	17.5		ug/L		87	66 - 134
1,1-Dichloropropene	0.31	U	20.0	18.2		ug/L		91	65 - 136
cis-1,3-Dichloropropene	0.14	U	20.0	20.0		ug/L		100	70 - 130
trans-1,3-Dichloropropene	0.14	U	20.0	19.5		ug/L		98	67 - 130
Ethylbenzene	0.44	U	20.0	20.0		ug/L		100	70 - 130
Hexachlorobutadiene	0.40	U	20.0	17.0		ug/L		85	62 - 143
Isopropylbenzene	0.19	U	20.0	19.2		ug/L		96	62 - 130
4-Isopropyltoluene	0.69	U	20.0	20.2		ug/L		101	65 - 134
Methylene Chloride	4.0	U	20.0	16.6		ug/L		83	57 - 130
Naphthalene	2.5	U	20.0	14.7		ug/L		73	50 - 136
N-Propylbenzene	0.59	U	20.0	19.2		ug/L		96	67 - 130
Styrene	0.98	U	20.0	18.6		ug/L		93	68 - 131
1,1,2,2-Tetrachloroethane	0.15	U	20.0	18.8		ug/L		94	70 - 130
Tetrachloroethene	0.50	U	20.0	19.1		ug/L		96	50 - 143
Toluene	1.0	U	20.0	18.8		ug/L		94	70 - 131
1,2,3-Trichlorobenzene	0.77	U	20.0	18.7		ug/L		93	58 - 132

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

Lab Sample ID: 660-45024-2 MS — **Client Sample ID: EW-102**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 118420

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	0.58	U	20.0	16.3		ug/L		82	66 - 130
1,1,1-Trichloroethane	0.46	U	20.0	18.8		ug/L		94	63 - 132
1,1,2-Trichloroethane	0.47	U	20.0	19.0		ug/L		95	70 - 130
Trichloroethene	43		20.0	57.4		ug/L		70	63 - 139
Trichlorofluoromethane	2.5	U	20.0	24.8		ug/L		124	62 - 146
1,2,3-Trichloropropane	0.18	U	20.0	18.5		ug/L		93	66 - 130
1,2,4-Trimethylbenzene	0.86	U	20.0	19.6		ug/L		98	70 - 132
1,3,5-Trimethylbenzene	0.54	U	20.0	19.9		ug/L		100	65 - 134
Vinyl chloride	0.50	U	20.0	17.8		ug/L		89	48 - 147
o-Xylene	0.50	U	20.0	20.2		ug/L		101	69 - 130
2-Butanone (MEK)	8.4	U	40.0	33.8		ug/L		85	63 - 140
4-Methyl-2-pentanone (MIBK)	3.8	U	40.0	39.5		ug/L		99	64 - 137
Carbon disulfide	1.0	U	40.0	41.2		ug/L		103	30 - 150
2-Hexanone	4.4	U	40.0	37.2		ug/L		93	60 - 148
Methyl tert-butyl ether	0.44	U	40.0	41.2		ug/L		103	67 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*101*		*70 - 130*
4-Bromofluorobenzene	*101*		*70 - 130*
Dibromofluoromethane	*96*		*70 - 130*

Lab Sample ID: 660-45036-F-1 DU — **Client Sample ID: Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 118420

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Acetone	9.9	U	9.9	U	ug/L		NC	30
Benzene	0.82	I	0.842	I	ug/L		3	30
Bromobenzene	0.58	U	0.58	U	ug/L		NC	30
Chlorobromomethane	0.58	U	0.58	U	ug/L		NC	30
Dichlorobromomethane	0.35	U	0.35	U	ug/L		NC	30
Bromoform	0.58	U	0.58	U	ug/L		NC	30
Bromomethane	2.5	U	2.5	U	ug/L		NC	30
n-Butylbenzene	0.67	U	0.67	U	ug/L		NC	30
sec-Butylbenzene	0.63	U	0.63	U	ug/L		NC	30
tert-Butylbenzene	0.84	U	0.84	U	ug/L		NC	30
Carbon tetrachloride	0.42	U	0.42	U	ug/L		NC	30
Chlorobenzene	0.63	U	0.63	U	ug/L		NC	30
Chloroethane	2.5	U	2.5	U	ug/L		NC	30
Chloroform	0.90	U	0.90	U	ug/L		NC	30
Chloromethane	1.0	U	1.0	U	ug/L		NC	30
2-Chlorotoluene	0.65	U	0.65	U	ug/L		NC	30
4-Chlorotoluene	0.52	U	0.52	U	ug/L		NC	30
Chlorodibromomethane	0.34	U	0.34	U	ug/L		NC	30
1,2-Dibromo-3-Chloropropane	2.5	U	2.5	U	ug/L		NC	30
Ethylene Dibromide	0.50	U	0.50	U	ug/L		NC	30
Dibromomethane	0.41	U	0.41	U	ug/L		NC	30
1,2-Dichlorobenzene	0.44	U	0.44	U	ug/L		NC	30
1,3-Dichlorobenzene	0.64	U	0.64	U	ug/L		NC	30

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

Lab Sample ID: 660-45036-F-1 DU
Matrix: Water
Analysis Batch: 118420

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
1,4-Dichlorobenzene	0.52	U		0.52	U	ug/L				NC	30
Dichlorodifluoromethane	2.5	U		2.5	U	ug/L				NC	30
1,1-Dichloroethane	0.52	U		0.52	U	ug/L				NC	30
1,2-Dichloroethane	0.57	U		0.57	U	ug/L				NC	30
1,1,1,2-Tetrachloroethane	0.63	U		0.63	U	ug/L				NC	30
1,1-Dichloroethene	0.45	U		0.45	U	ug/L				NC	30
cis-1,2-Dichloroethene	0.65	U		0.65	U	ug/L				NC	30
trans-1,2-Dichloroethene	0.44	U		0.44	U	ug/L				NC	30
1,2-Dichloropropane	0.52	U		0.52	U	ug/L				NC	30
1,3-Dichloropropane	0.39	U		0.39	U	ug/L				NC	30
2,2-Dichloropropane	0.36	U		0.36	U	ug/L				NC	30
1,1-Dichloropropene	0.31	U		0.31	U	ug/L				NC	30
cis-1,3-Dichloropropene	0.14	U		0.14	U	ug/L				NC	30
trans-1,3-Dichloropropene	0.14	U		0.14	U	ug/L				NC	30
Ethylbenzene	2.1			2.05		ug/L				2	30
Hexachlorobutadiene	0.40	U		0.40	U	ug/L				NC	30
Isopropylbenzene	0.32	I		0.326	I	ug/L				2	30
4-Isopropyltoluene	0.87	I		0.786	I	ug/L				10	30
Methylene Chloride	4.0	U		4.0	U	ug/L				NC	30
Naphthalene	2.5	U		2.5	U	ug/L				NC	30
N-Propylbenzene	0.59	U		0.59	U	ug/L				NC	30
Styrene	0.98	U		0.98	U	ug/L				NC	30
1,1,2,2-Tetrachloroethane	0.15	U		0.15	U	ug/L				NC	30
Tetrachloroethene	0.50	U		0.50	U	ug/L				NC	30
Toluene	1.0	U		1.0	U	ug/L				NC	30
1,2,3-Trichlorobenzene	0.77	U		0.77	U	ug/L				NC	30
1,2,4-Trichlorobenzene	0.58	U		0.58	U	ug/L				NC	30
1,1,1-Trichloroethane	0.46	U		0.46	U	ug/L				NC	30
1,1,2-Trichloroethane	0.47	U		0.47	U	ug/L				NC	30
Trichloroethene	0.50	U		0.50	U	ug/L				NC	30
Trichlorofluoromethane	2.5	U		2.5	U	ug/L				NC	30
1,2,3-Trichloropropane	0.18	U		0.18	U	ug/L				NC	30
1,2,4-Trimethylbenzene	1.3			1.15		ug/L				10	30
1,3,5-Trimethylbenzene	1.8			1.59		ug/L				11	30
Vinyl chloride	0.50	U		0.50	U	ug/L				NC	30
o-Xylene	0.50	U		0.50	U	ug/L				NC	30
2-Butanone (MEK)	8.4	U		8.4	U	ug/L				NC	30
4-Methyl-2-pentanone (MIBK)	3.8	U		3.8	U	ug/L				NC	30
Carbon disulfide	1.0	U		1.0	U	ug/L				NC	30
2-Hexanone	4.4	U		4.4	U	ug/L				NC	30
Methyl tert-butyl ether	0.44	U		0.44	U	ug/L				NC	30
m-Xylene & p-Xylene	0.64	I		0.696	I	ug/L				8	30

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
Toluene-d8 (Surr)	*101*		*70 - 130*
4-Bromofluorobenzene	*91*		*70 - 130*
Dibromofluoromethane	*104*		*70 - 130*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Lab Sample ID: MB 660-118375/6 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 118375

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			12/07/11 09:07	1

Lab Sample ID: LCS 660-118375/4 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 118375

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dioxane	25.0	21.7		ug/L		87	50 - 150

Lab Sample ID: 660-44938-D-1 MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 118375

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dioxane	1.0	U	25.0	20.1		ug/L		80	50 - 150

Lab Sample ID: 660-44938-D-1 MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 118375

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dioxane	1.0	U	25.0	21.3		ug/L		85	50 - 150	6	50

Lab Sample ID: MB 660-118492/6 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 118492

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			12/09/11 09:14	1

Lab Sample ID: LCS 660-118492/4 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 118492

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dioxane	25.0	21.1		ug/L		84	50 - 150

Lab Sample ID: 660-45024-5 MS — **Client Sample ID: EW-105**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 118492

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dioxane	32		25.0	56.7		ug/L		99	50 - 150

Lab Sample ID: 660-45024-5 MSD — **Client Sample ID: EW-105**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 118492

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dioxane	32		25.0	61.8		ug/L		120	50 - 150	9	50

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 660-118371/1-A
Matrix: Water
Analysis Batch: 118447

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 118371

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	50	U	200	50	ug/L		12/07/11 09:43	12/08/11 08:49	1
Arsenic	4.0	U	10	4.0	ug/L		12/07/11 09:43	12/08/11 08:49	1
Beryllium	0.50	U	2.0	0.50	ug/L		12/07/11 09:43	12/08/11 08:49	1
Cadmium	1.0	U	4.0	1.0	ug/L		12/07/11 09:43	12/08/11 08:49	1
Chromium	2.0	U	10	2.0	ug/L		12/07/11 09:43	12/08/11 08:49	1
Copper	2.9	U	10	2.9	ug/L		12/07/11 09:43	12/08/11 08:49	1
Iron	50	U	200	50	ug/L		12/07/11 09:43	12/08/11 08:49	1
Nickel	2.0	U	8.0	2.0	ug/L		12/07/11 09:43	12/08/11 08:49	1
Lead	2.0	U	10	2.0	ug/L		12/07/11 09:43	12/08/11 08:49	1
Zinc	5.0	U	20	5.0	ug/L		12/07/11 09:43	12/08/11 08:49	1

Lab Sample ID: LCS 660-118371/2-A
Matrix: Water
Analysis Batch: 118447

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 118371

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	1000	1100		ug/L		110	75 - 125
Arsenic	1000	1130		ug/L		113	75 - 125
Beryllium	1000	1070		ug/L		107	75 - 125
Cadmium	1000	1110		ug/L		111	75 - 125
Chromium	1000	1100		ug/L		110	75 - 125
Copper	1000	1120		ug/L		112	75 - 125
Iron	1000	1120		ug/L		112	75 - 125
Nickel	1000	1150		ug/L		115	75 - 125
Lead	1000	1150		ug/L		115	75 - 125
Zinc	1000	1110		ug/L		111	75 - 125

Lab Sample ID: 660-45024-1 MS
Matrix: Water
Analysis Batch: 118447

Client Sample ID: EW-101
Prep Type: Total Recoverable
Prep Batch: 118371

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	98	I	1000	1210		ug/L		111	75 - 125
Arsenic	5.7	I	1000	1150		ug/L		114	75 - 125
Beryllium	0.50	U	1000	1090		ug/L		109	75 - 125
Cadmium	1.0	U	1000	1100		ug/L		110	75 - 125
Chromium	2.0	U	1000	1090		ug/L		109	75 - 125
Copper	2.9	U	1000	1120		ug/L		112	75 - 125
Iron	5100		1000	6050		ug/L		96	75 - 125
Nickel	13		1000	1150		ug/L		114	75 - 125
Lead	2.0	U	1000	1120		ug/L		112	75 - 125
Zinc	5.0	U	1000	1090		ug/L		109	75 - 125

Lab Sample ID: 660-45024-1 MSD
Matrix: Water
Analysis Batch: 118447

Client Sample ID: EW-101
Prep Type: Total Recoverable
Prep Batch: 118371

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	98	I	1000	1220		ug/L		112	75 - 125	0	20
Arsenic	5.7	I	1000	1160		ug/L		116	75 - 125	1	20

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

Lab Sample ID: 660-45024-1 MSD
Matrix: Water
Analysis Batch: 118447

Client Sample ID: EW-101
Prep Type: Total Recoverable
Prep Batch: 118371

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Beryllium	0.50	U	1000	1090		ug/L		109	75 - 125	0	20
Cadmium	1.0	U	1000	1120		ug/L		112	75 - 125	1	20
Chromium	2.0	U	1000	1100		ug/L		110	75 - 125	1	20
Copper	2.9	U	1000	1120		ug/L		112	75 - 125	1	20
Iron	5100		1000	6250		ug/L		116	75 - 125	3	20
Nickel	13		1000	1150		ug/L		114	75 - 125	0	20
Lead	2.0	U	1000	1140		ug/L		114	75 - 125	1	20
Zinc	5.0	U	1000	1110		ug/L		111	75 - 125	1	20

QC Association Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Quarterly Extraction Wells

TestAmerica Job ID: 660-45024-1

GC/MS VOA

Analysis Batch: 118375

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-44938-D-1 MS	Matrix Spike	Total/NA	Water	8260C _SIM/ID	
660-44938-D-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8260C _SIM/ID	
660-45024-1	EW-101	Total/NA	Water	8260C _SIM/ID	
660-45024-2	EW-102	Total/NA	Water	8260C _SIM/ID	
660-45024-3	EW-103	Total/NA	Water	8260C _SIM/ID	
660-45024-4	EW-104	Total/NA	Water	8260C _SIM/ID	
LCS 660-118375/4	Lab Control Sample	Total/NA	Water	8260C _SIM/ID	
MB 660-118375/6	Method Blank	Total/NA	Water	8260C _SIM/ID	

Analysis Batch: 118420

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-45024-1 - DL	EW-101	Total/NA	Water	8260B	
660-45024-1	EW-101	Total/NA	Water	8260B	
660-45024-2	EW-102	Total/NA	Water	8260B	
660-45024-2 MS	EW-102	Total/NA	Water	8260B	
660-45024-3	EW-103	Total/NA	Water	8260B	
660-45024-4 - DL	EW-104	Total/NA	Water	8260B	
660-45024-4	EW-104	Total/NA	Water	8260B	
660-45024-5 - DL	EW-105	Total/NA	Water	8260B	
660-45024-5	EW-105	Total/NA	Water	8260B	
660-45024-6 - DL	EW-106	Total/NA	Water	8260B	
660-45024-6	EW-106	Total/NA	Water	8260B	
660-45024-7	EW-107	Total/NA	Water	8260B	
660-45024-8 - DL	EW-108	Total/NA	Water	8260B	
660-45024-8	EW-108	Total/NA	Water	8260B	
660-45024-9	EW-109	Total/NA	Water	8260B	
660-45024-10	EW-110	Total/NA	Water	8260B	
660-45036-F-1 DU	Duplicate	Total/NA	Water	8260B	
LCS 660-118420/5	Lab Control Sample	Total/NA	Water	8260B	
MB 660-118420/7	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 118492

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-45024-5	EW-105	Total/NA	Water	8260C _SIM/ID	
660-45024-5 MS	EW-105	Total/NA	Water	8260C _SIM/ID	
660-45024-5 MSD	EW-105	Total/NA	Water	8260C _SIM/ID	
660-45024-6	EW-106	Total/NA	Water	8260C _SIM/ID	
660-45024-7	EW-107	Total/NA	Water	8260C _SIM/ID	
660-45024-8	EW-108	Total/NA	Water	8260C _SIM/ID	
660-45024-9	EW-109	Total/NA	Water	8260C _SIM/ID	
660-45024-10	EW-110	Total/NA	Water	8260C _SIM/ID	
LCS 660-118492/4	Lab Control Sample	Total/NA	Water	8260C _SIM/ID	
MB 660-118492/6	Method Blank	Total/NA	Water	8260C _SIM/ID	

Metals

Prep Batch: 118371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-45024-1	EW-101	Total Recoverable	Water	3005A	
660-45024-1 MS	EW-101	Total Recoverable	Water	3005A	
660-45024-1 MSD	EW-101	Total Recoverable	Water	3005A	
660-45024-2	EW-102	Total Recoverable	Water	3005A	

Metals (Continued)

Prep Batch: 118371 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-45024-3	EW-103	Total Recoverable	Water	3005A	
660-45024-4	EW-104	Total Recoverable	Water	3005A	
660-45024-5	EW-105	Total Recoverable	Water	3005A	
660-45024-6	EW-106	Total Recoverable	Water	3005A	
660-45024-7	EW-107	Total Recoverable	Water	3005A	
660-45024-8	EW-108	Total Recoverable	Water	3005A	
660-45024-9	EW-109	Total Recoverable	Water	3005A	
660-45024-10	EW-110	Total Recoverable	Water	3005A	
LCS 660-118371/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 660-118371/1-A	Method Blank	Total Recoverable	Water	3005A	

Analysis Batch: 118447

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-45024-1	EW-101	Total Recoverable	Water	6010B	118371
660-45024-1 MS	EW-101	Total Recoverable	Water	6010B	118371
660-45024-1 MSD	EW-101	Total Recoverable	Water	6010B	118371
660-45024-2	EW-102	Total Recoverable	Water	6010B	118371
660-45024-3	EW-103	Total Recoverable	Water	6010B	118371
660-45024-4	EW-104	Total Recoverable	Water	6010B	118371
660-45024-5	EW-105	Total Recoverable	Water	6010B	118371
660-45024-6	EW-106	Total Recoverable	Water	6010B	118371
660-45024-7	EW-107	Total Recoverable	Water	6010B	118371
660-45024-8	EW-108	Total Recoverable	Water	6010B	118371
660-45024-9	EW-109	Total Recoverable	Water	6010B	118371
660-45024-10	EW-110	Total Recoverable	Water	6010B	118371
LCS 660-118371/2-A	Lab Control Sample	Total Recoverable	Water	6010B	118371
MB 660-118371/1-A	Method Blank	Total Recoverable	Water	6010B	118371

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Quarterly Extraction Wells

TestAmerica Job ID: 660-45024-1

Client Sample ID: EW-101
Lab Sample ID: 660-45024-1
Date Collected: 12/06/11 08:00
Matrix: Water
Date Received: 12/06/11 12:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C _SIM/ID		1	118375	12/07/11 16:04	AP	TAL TAM
Total/NA	Analysis	8260B	DL	10	118420	12/07/11 19:10	RM	TAL TAM
Total/NA	Analysis	8260B		1	118420	12/07/11 21:40	RM	TAL TAM
Total Recoverable	Prep	3005A			118371	12/07/11 09:43	GF	TAL TAM
Total Recoverable	Analysis	6010B		1	118447	12/08/11 08:59	SR	TAL TAM

Client Sample ID: EW-102
Lab Sample ID: 660-45024-2
Date Collected: 12/06/11 08:10
Matrix: Water
Date Received: 12/06/11 12:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C _SIM/ID		1	118375	12/07/11 17:29	AP	TAL TAM
Total/NA	Analysis	8260B		1	118420	12/07/11 18:19	RM	TAL TAM
Total Recoverable	Prep	3005A			118371	12/07/11 09:43	GF	TAL TAM
Total Recoverable	Analysis	6010B		1	118447	12/08/11 09:12	SR	TAL TAM

Client Sample ID: EW-103
Lab Sample ID: 660-45024-3
Date Collected: 12/06/11 08:20
Matrix: Water
Date Received: 12/06/11 12:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C _SIM/ID		1	118375	12/07/11 17:50	AP	TAL TAM
Total/NA	Analysis	8260B		1	118420	12/07/11 19:27	RM	TAL TAM
Total Recoverable	Prep	3005A			118371	12/07/11 09:43	GF	TAL TAM
Total Recoverable	Analysis	6010B		1	118447	12/08/11 09:15	SR	TAL TAM

Client Sample ID: EW-104
Lab Sample ID: 660-45024-4
Date Collected: 12/06/11 08:30
Matrix: Water
Date Received: 12/06/11 12:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C _SIM/ID		1	118375	12/07/11 19:11	AP	TAL TAM
Total/NA	Analysis	8260B	DL	10	118420	12/07/11 19:43	RM	TAL TAM
Total/NA	Analysis	8260B		1	118420	12/07/11 21:57	RM	TAL TAM
Total Recoverable	Prep	3005A			118371	12/07/11 09:43	GF	TAL TAM
Total Recoverable	Analysis	6010B		1	118447	12/08/11 09:19	SR	TAL TAM

Client Sample ID: EW-105
Lab Sample ID: 660-45024-5
Date Collected: 12/06/11 08:40
Matrix: Water
Date Received: 12/06/11 12:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL	10	118420	12/07/11 20:00	RM	TAL TAM

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Quarterly Extraction Wells

TestAmerica Job ID: 660-45024-1

Client Sample ID: EW-105

Lab Sample ID: 660-45024-5
Date Collected: 12/06/11 08:40
Matrix: Water
Date Received: 12/06/11 12:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	118420	12/07/11 22:14	RM	TAL TAM
Total/NA	Analysis	8260C _SIM/ID		1	118492	12/09/11 09:36	AP	TAL TAM
Total Recoverable	Prep	3005A			118371	12/07/11 09:43	GF	TAL TAM
Total Recoverable	Analysis	6010B		1	118447	12/08/11 09:29	SR	TAL TAM

Client Sample ID: EW-106

Lab Sample ID: 660-45024-6
Date Collected: 12/06/11 08:50
Matrix: Water
Date Received: 12/06/11 12:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL	10	118420	12/07/11 20:17	RM	TAL TAM
Total/NA	Analysis	8260B		1	118420	12/07/11 22:31	RM	TAL TAM
Total/NA	Analysis	8260C _SIM/ID		20	118492	12/09/11 15:54	AP	TAL TAM
Total Recoverable	Prep	3005A			118371	12/07/11 09:43	GF	TAL TAM
Total Recoverable	Analysis	6010B		1	118447	12/08/11 09:32	SR	TAL TAM

Client Sample ID: EW-107

Lab Sample ID: 660-45024-7
Date Collected: 12/06/11 09:00
Matrix: Water
Date Received: 12/06/11 12:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	118420	12/07/11 20:34	RM	TAL TAM
Total/NA	Analysis	8260C _SIM/ID		1	118492	12/09/11 11:26	AP	TAL TAM
Total Recoverable	Prep	3005A			118371	12/07/11 09:43	GF	TAL TAM
Total Recoverable	Analysis	6010B		1	118447	12/08/11 09:35	SR	TAL TAM

Client Sample ID: EW-108

Lab Sample ID: 660-45024-8
Date Collected: 12/06/11 09:10
Matrix: Water
Date Received: 12/06/11 12:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL	10	118420	12/07/11 20:50	RM	TAL TAM
Total/NA	Analysis	8260B		1	118420	12/07/11 22:48	RM	TAL TAM
Total/NA	Analysis	8260C _SIM/ID		10	118492	12/09/11 11:48	AP	TAL TAM
Total Recoverable	Prep	3005A			118371	12/07/11 09:43	GF	TAL TAM
Total Recoverable	Analysis	6010B		1	118447	12/08/11 09:39	SR	TAL TAM

Client Sample ID: EW-109

Lab Sample ID: 660-45024-9
Date Collected: 12/06/11 09:20
Matrix: Water
Date Received: 12/06/11 12:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	118420	12/07/11 21:07	RM	TAL TAM

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Quarterly Extraction Wells

TestAmerica Job ID: 660-45024-1

Client Sample ID: EW-109

Lab Sample ID: 660-45024-9

Date Collected: 12/06/11 09:20
Matrix: Water
Date Received: 12/06/11 12:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C _SIM/ID		1	118492	12/09/11 12:10	AP	TAL TAM
Total Recoverable	Prep	3005A			118371	12/07/11 09:43	GF	TAL TAM
Total Recoverable	Analysis	6010B		1	118447	12/08/11 09:42	SR	TAL TAM

Client Sample ID: EW-110

Lab Sample ID: 660-45024-10

Date Collected: 12/06/11 09:30
Matrix: Water
Date Received: 12/06/11 12:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	118420	12/07/11 21:24	RM	TAL TAM
Total/NA	Analysis	8260C _SIM/ID		1	118492	12/09/11 12:31	AP	TAL TAM
Total Recoverable	Prep	3005A			118371	12/07/11 09:43	GF	TAL TAM
Total Recoverable	Analysis	6010B		1	118447	12/08/11 09:46	SR	TAL TAM

Laboratory References:

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Certification Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Quarterly Extraction Wells

TestAmerica Job ID: 660-45024-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Tampa	Alabama	State Program	4	40610
TestAmerica Tampa	Florida	NELAC	4	E84282
TestAmerica Tampa	Georgia	State Program	4	905
TestAmerica Tampa	USDA	USDA		P330-11-00177

Accreditation may not be offered or required for all methods and analytes reported in this package . Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Quarterly Extraction Wells

TestAmerica Job ID: 660-45024-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL TAM
8260C _SIM/ID	1,4-Dioxane by SIM/Isotopic Dilution	SW846	TAL TAM
6010B	Metals (ICP)	SW846	TAL TAM

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Quarterly Extraction Wells

TestAmerica Job ID: 660-45024-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
660-45024-1	EW-101	Water	12/06/11 08:00	12/06/11 12:10
660-45024-2	EW-102	Water	12/06/11 08:10	12/06/11 12:10
660-45024-3	EW-103	Water	12/06/11 08:20	12/06/11 12:10
660-45024-4	EW-104	Water	12/06/11 08:30	12/06/11 12:10
660-45024-5	EW-105	Water	12/06/11 08:40	12/06/11 12:10
660-45024-6	EW-106	Water	12/06/11 08:50	12/06/11 12:10
660-45024-7	EW-107	Water	12/06/11 09:00	12/06/11 12:10
660-45024-8	EW-108	Water	12/06/11 09:10	12/06/11 12:10
660-45024-9	EW-109	Water	12/06/11 09:20	12/06/11 12:10
660-45024-10	EW-110	Water	12/06/11 09:30	12/06/11 12:10

Serial Number 018058

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

660-45024

TestAmerica Tampa
6712 Benjamin Road, Suite 100
Tampa, FL 33634
Website: www.testamericainc.com
Phone: (813) 885-7427
Fax: (813) 885-7049

Alternate Laboratory Name/Location
Phone:
Fax:

12/14/2011

PROJECT REFERENCE: Tallevast Quarterly	PROJECT NO.: —	PROJECT LOCATION (STATE): FL	PAGE 1 OF 1
SAMPLER'S SIGNATURE: [signature]	P.O. NUMBER:	CONTRACT NO.: —	STANDARD REPORT DELIVERY ☒
CLIENT (SITE) PM: Don Sauda	CLIENT PHONE: 8137484874	CLIENT FAX: —	DATE DUE:
CLIENT NAME: Arcadis	CLIENT E-MAIL: donald.sauda@arcadisus.com		EXPEDITED REPORT DELIVERY (SURCHARGE) ○
CLIENT ADDRESS: 1600 Tallevast Rd Sarasota, FL 34243			DATE DUE:
COMPANY CONTRACTING THIS WORK (if applicable): CMC			NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT...)	8260 B/C Sim ID	6010 B 10 metals								REMARKS
								HCL	X	PRESERVATIVE							
								NUMBER OF CONTAINERS SUBMITTED									
12-6-11	0800	EW-101	G	X				4	1								Use metals samples from VIC, but only report 10 metals
	0810	EW-102						4	1								
	0820	EW-103						4	1								
	0830	EW-104						4	1								
	0840	EW-105						4	1								
	0850	EW-106						4	1								10 metals are-
	0900	EW-107						4	1								Al, As, Be, Cd, Cr,
	0910	EW-108						4	1								Cu, Fe, Pb, Ni,
	0920	EW-109						4	1								Zn
	0930	EW-110						4	1								

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS			[signature]	12-6-11	1210			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
EMPTY CONTAINERS [signature]	11-28-11	0800	[signature]	12-6-11	1210			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT YES ○ NO ○	CUSTODY SEAL NO.	TAMPA LOG NO.	COOLER TEMP. UPON RECEIPT	LABORATORY REMARKS
						1.0 4.0 Cu-07	

TAL8240-660 (0209)

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 660-45024-1

Login Number: 45024

List Source: TestAmerica Tampa

List Number: 1

Creator: Redding, Charles S

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	1.0, 4.0 degrees C Cu-07
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Tampa
6712 Benjamin Road
Suite 100
Tampa, FL 33634
Tel: (813)885-7427

TestAmerica Job ID: 660-45165-1
Client Project/Site: Tallevast Carbon OM

For:
ARCADIS U.S. Inc
6723 Towpath Road
PO BOX 66
Syracuse, New York 13214

Attn: Donald Sauda

Authorized for release by:
12/15/2011 3:26:54 PM

Tina Fritz
Project Manager II
tina.fritz@testamericainc.com

LINKS

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45165-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates that the compound was analyzed for but not detected.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45165-1

Job ID: 660-45165-1

Laboratory: TestAmerica Tampa

Narrative

Job Narrative
660-45165-1

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
Method(s) 8260C SIM: The matrix duplicate %RPD associated with batch 118669 was outside the control limits due to the parent sample having instrument contamination. It was re-run in Batch 118700.

No other analytical or quality issues were noted.

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45165-1

Client Sample ID: Primary GAC Effluent — Lab Sample ID: 660-45165-1

No Detections

Client Sample ID: Mid Process — Lab Sample ID: 660-45165-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	11	I	20	9.9	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	11		1.0	0.52	ug/L	1		8260B	Total/NA

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45165-1

Client Sample ID: Primary GAC Effluent

Date Collected: 12/13/11 09:00
Date Received: 12/13/11 13:00

Lab Sample ID: 660-45165-1

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			12/14/11 11:23	1
Benzene	0.50	U	1.0	0.50	ug/L			12/14/11 11:23	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			12/14/11 11:23	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			12/14/11 11:23	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			12/14/11 11:23	1
Bromoform	0.58	U	1.0	0.58	ug/L			12/14/11 11:23	1
Bromomethane	2.5	U	5.0	2.5	ug/L			12/14/11 11:23	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			12/14/11 11:23	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			12/14/11 11:23	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			12/14/11 11:23	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			12/14/11 11:23	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			12/14/11 11:23	1
Chloroethane	2.5	U	5.0	2.5	ug/L			12/14/11 11:23	1
Chloroform	0.90	U	1.0	0.90	ug/L			12/14/11 11:23	1
Chloromethane	1.0	U	4.0	1.0	ug/L			12/14/11 11:23	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			12/14/11 11:23	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			12/14/11 11:23	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			12/14/11 11:23	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			12/14/11 11:23	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			12/14/11 11:23	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			12/14/11 11:23	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			12/14/11 11:23	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			12/14/11 11:23	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			12/14/11 11:23	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			12/14/11 11:23	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			12/14/11 11:23	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			12/14/11 11:23	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			12/14/11 11:23	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			12/14/11 11:23	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			12/14/11 11:23	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			12/14/11 11:23	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			12/14/11 11:23	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			12/14/11 11:23	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/14/11 11:23	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			12/14/11 11:23	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/14/11 11:23	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/14/11 11:23	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			12/14/11 11:23	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			12/14/11 11:23	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			12/14/11 11:23	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			12/14/11 11:23	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			12/14/11 11:23	1
Naphthalene	2.5	U	5.0	2.5	ug/L			12/14/11 11:23	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			12/14/11 11:23	1
Styrene	0.98	U	2.0	0.98	ug/L			12/14/11 11:23	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			12/14/11 11:23	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			12/14/11 11:23	1
Toluene	1.0	U	1.0	1.0	ug/L			12/14/11 11:23	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			12/14/11 11:23	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			12/14/11 11:23	1

Client Sample ID: Primary GAC Effluent

Lab Sample ID: 660-45165-1

Date Collected: 12/13/11 09:00

Matrix: Water

Date Received: 12/13/11 13:00

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			12/14/11 11:23	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			12/14/11 11:23	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			12/14/11 11:23	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			12/14/11 11:23	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			12/14/11 11:23	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			12/14/11 11:23	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			12/14/11 11:23	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/14/11 11:23	1
o-Xylene	0.50	U	1.0	0.50	ug/L			12/14/11 11:23	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			12/14/11 11:23	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			12/14/11 11:23	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			12/14/11 11:23	1
2-Hexanone	4.4	U	10	4.4	ug/L			12/14/11 11:23	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			12/14/11 11:23	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			12/14/11 11:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*70 - 130*		*12/14/11 11:23*	*1*
4-Bromofluorobenzene	*98*		*70 - 130*		*12/14/11 11:23*	*1*
Dibromofluoromethane	*97*		*70 - 130*		*12/14/11 11:23*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			12/14/11 10:09	1

Client Sample ID: Mid Process

Lab Sample ID: 660-45165-2

Date Collected: 12/13/11 09:10

Matrix: Water

Date Received: 12/13/11 13:00

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**11**	**I**	20	9.9	ug/L			12/14/11 11:46	1
Benzene	0.50	U	1.0	0.50	ug/L			12/14/11 11:46	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			12/14/11 11:46	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			12/14/11 11:46	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			12/14/11 11:46	1
Bromoform	0.58	U	1.0	0.58	ug/L			12/14/11 11:46	1
Bromomethane	2.5	U	5.0	2.5	ug/L			12/14/11 11:46	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			12/14/11 11:46	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			12/14/11 11:46	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			12/14/11 11:46	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			12/14/11 11:46	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			12/14/11 11:46	1
Chloroethane	2.5	U	5.0	2.5	ug/L			12/14/11 11:46	1
Chloroform	0.90	U	1.0	0.90	ug/L			12/14/11 11:46	1
Chloromethane	1.0	U	4.0	1.0	ug/L			12/14/11 11:46	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			12/14/11 11:46	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			12/14/11 11:46	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			12/14/11 11:46	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			12/14/11 11:46	1

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45165-1

Client Sample ID: Mid Process

Date Collected: 12/13/11 09:10
Date Received: 12/13/11 13:00

Lab Sample ID: 660-45165-2

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			12/14/11 11:46	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			12/14/11 11:46	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			12/14/11 11:46	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			12/14/11 11:46	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			12/14/11 11:46	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			12/14/11 11:46	1
1,1-Dichloroethane	**11**		1.0	0.52	ug/L			12/14/11 11:46	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			12/14/11 11:46	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			12/14/11 11:46	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			12/14/11 11:46	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			12/14/11 11:46	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			12/14/11 11:46	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			12/14/11 11:46	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			12/14/11 11:46	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/14/11 11:46	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			12/14/11 11:46	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/14/11 11:46	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/14/11 11:46	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			12/14/11 11:46	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			12/14/11 11:46	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			12/14/11 11:46	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			12/14/11 11:46	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			12/14/11 11:46	1
Naphthalene	2.5	U	5.0	2.5	ug/L			12/14/11 11:46	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			12/14/11 11:46	1
Styrene	0.98	U	2.0	0.98	ug/L			12/14/11 11:46	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			12/14/11 11:46	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			12/14/11 11:46	1
Toluene	1.0	U	1.0	1.0	ug/L			12/14/11 11:46	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			12/14/11 11:46	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			12/14/11 11:46	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			12/14/11 11:46	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			12/14/11 11:46	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			12/14/11 11:46	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			12/14/11 11:46	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			12/14/11 11:46	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			12/14/11 11:46	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			12/14/11 11:46	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/14/11 11:46	1
o-Xylene	0.50	U	1.0	0.50	ug/L			12/14/11 11:46	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			12/14/11 11:46	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			12/14/11 11:46	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			12/14/11 11:46	1
2-Hexanone	4.4	U	10	4.4	ug/L			12/14/11 11:46	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			12/14/11 11:46	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			12/14/11 11:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*70 - 130*		*12/14/11 11:46*	*1*
4-Bromofluorobenzene	*99*		*70 - 130*		*12/14/11 11:46*	*1*

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45165-1

Client Sample ID: Mid Process

Date Collected: 12/13/11 09:10
Date Received: 12/13/11 13:00

Lab Sample ID: 660-45165-2

Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*96*		*70 - 130*		*12/14/11 11:46*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			12/13/11 23:35	1

Surrogate Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45165-1

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		TOL	BFB	DBFM
Lab Sample ID	**Client Sample ID**	**(70-130)**	**(70-130)**	**(70-130)**
660-45146-E-2 MS	Matrix Spike	100	98	101
660-45146-F-1 DU	Duplicate	100	100	99
660-45165-1	Primary GAC Effluent	99	98	97
660-45165-2	Mid Process	100	99	96
LCS 660-118745/3	Lab Control Sample	99	99	99
MB 660-118745/5	Method Blank	100	99	97

Surrogate Legend

TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane

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

Lab Sample ID: MB 660-118745/5
Matrix: Water
Analysis Batch: 118745

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			12/14/11 09:22	1
Benzene	0.50	U	1.0	0.50	ug/L			12/14/11 09:22	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			12/14/11 09:22	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			12/14/11 09:22	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			12/14/11 09:22	1
Bromoform	0.58	U	1.0	0.58	ug/L			12/14/11 09:22	1
Bromomethane	2.5	U	5.0	2.5	ug/L			12/14/11 09:22	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			12/14/11 09:22	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			12/14/11 09:22	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			12/14/11 09:22	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			12/14/11 09:22	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			12/14/11 09:22	1
Chloroethane	2.5	U	5.0	2.5	ug/L			12/14/11 09:22	1
Chloroform	0.90	U	1.0	0.90	ug/L			12/14/11 09:22	1
Chloromethane	1.0	U	4.0	1.0	ug/L			12/14/11 09:22	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			12/14/11 09:22	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			12/14/11 09:22	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			12/14/11 09:22	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			12/14/11 09:22	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			12/14/11 09:22	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			12/14/11 09:22	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			12/14/11 09:22	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			12/14/11 09:22	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			12/14/11 09:22	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			12/14/11 09:22	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			12/14/11 09:22	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			12/14/11 09:22	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			12/14/11 09:22	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			12/14/11 09:22	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			12/14/11 09:22	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			12/14/11 09:22	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			12/14/11 09:22	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			12/14/11 09:22	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/14/11 09:22	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			12/14/11 09:22	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/14/11 09:22	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/14/11 09:22	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			12/14/11 09:22	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			12/14/11 09:22	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			12/14/11 09:22	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			12/14/11 09:22	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			12/14/11 09:22	1
Naphthalene	2.5	U	5.0	2.5	ug/L			12/14/11 09:22	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			12/14/11 09:22	1
Styrene	0.98	U	2.0	0.98	ug/L			12/14/11 09:22	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			12/14/11 09:22	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			12/14/11 09:22	1
Toluene	1.0	U	1.0	1.0	ug/L			12/14/11 09:22	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			12/14/11 09:22	1

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

Lab Sample ID: MB 660-118745/5
Matrix: Water
Analysis Batch: 118745

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			12/14/11 09:22	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			12/14/11 09:22	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			12/14/11 09:22	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			12/14/11 09:22	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			12/14/11 09:22	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			12/14/11 09:22	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			12/14/11 09:22	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			12/14/11 09:22	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/14/11 09:22	1
o-Xylene	0.50	U	1.0	0.50	ug/L			12/14/11 09:22	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			12/14/11 09:22	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			12/14/11 09:22	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			12/14/11 09:22	1
2-Hexanone	4.4	U	10	4.4	ug/L			12/14/11 09:22	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			12/14/11 09:22	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			12/14/11 09:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*70 - 130*		*12/14/11 09:22*	*1*
4-Bromofluorobenzene	*99*		*70 - 130*		*12/14/11 09:22*	*1*
Dibromofluoromethane	*97*		*70 - 130*		*12/14/11 09:22*	*1*

Lab Sample ID: LCS 660-118745/3
Matrix: Water
Analysis Batch: 118745

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	40.0	55.5		ug/L		139	62 - 142
Benzene	20.0	19.9		ug/L		99	68 - 134
Bromobenzene	20.0	19.8		ug/L		99	70 - 130
Chlorobromomethane	20.0	19.1		ug/L		96	70 - 130
Dichlorobromomethane	20.0	19.6		ug/L		98	70 - 130
Bromoform	20.0	14.9		ug/L		74	65 - 130
Bromomethane	20.0	11.7		ug/L		58	22 - 150
n-Butylbenzene	20.0	20.4		ug/L		102	61 - 131
sec-Butylbenzene	20.0	20.2		ug/L		101	68 - 133
tert-Butylbenzene	20.0	19.9		ug/L		99	64 - 130
Carbon tetrachloride	20.0	19.3		ug/L		97	61 - 134
Chlorobenzene	20.0	19.6		ug/L		98	70 - 130
Chloroethane	20.0	19.4		ug/L		97	39 - 150
Chloroform	20.0	18.8		ug/L		94	68 - 130
Chloromethane	20.0	13.7		ug/L		68	35 - 150
2-Chlorotoluene	20.0	19.8		ug/L		99	70 - 130
4-Chlorotoluene	20.0	18.6		ug/L		93	70 - 130
Chlorodibromomethane	20.0	16.6		ug/L		83	70 - 130
1,2-Dibromo-3-Chloropropane	20.0	18.2		ug/L		91	63 - 130
Ethylene Dibromide	20.0	18.9		ug/L		94	66 - 130
Dibromomethane	20.0	19.2		ug/L		96	70 - 130
1,2-Dichlorobenzene	20.0	19.7		ug/L		99	70 - 130

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

Lab Sample ID: LCS 660-118745/3
Matrix: Water
Analysis Batch: 118745

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3-Dichlorobenzene	20.0	20.1		ug/L		100	70 - 130
1,4-Dichlorobenzene	20.0	19.3		ug/L		97	70 - 130
Dichlorodifluoromethane	20.0	21.0		ug/L		105	16 - 149
1,1-Dichloroethane	20.0	19.5		ug/L		97	66 - 130
1,2-Dichloroethane	20.0	19.0		ug/L		95	70 - 130
1,1,1,2-Tetrachloroethane	20.0	19.3		ug/L		96	70 - 130
1,1-Dichloroethene	20.0	22.1		ug/L		110	51 - 150
cis-1,2-Dichloroethene	20.0	19.4		ug/L		97	66 - 130
trans-1,2-Dichloroethene	20.0	19.5		ug/L		98	62 - 139
1,2-Dichloropropane	20.0	19.8		ug/L		99	70 - 130
1,3-Dichloropropane	20.0	19.3		ug/L		97	70 - 130
2,2-Dichloropropane	20.0	19.6		ug/L		98	66 - 134
1,1-Dichloropropene	20.0	19.2		ug/L		96	65 - 136
cis-1,3-Dichloropropene	20.0	19.1		ug/L		95	70 - 130
trans-1,3-Dichloropropene	20.0	19.1		ug/L		95	67 - 130
Ethylbenzene	20.0	20.1		ug/L		100	70 - 130
Hexachlorobutadiene	20.0	19.2		ug/L		96	62 - 143
Isopropylbenzene	20.0	20.0		ug/L		100	62 - 130
4-Isopropyltoluene	20.0	21.4		ug/L		107	65 - 134
Methylene Chloride	20.0	18.7		ug/L		93	57 - 130
Naphthalene	20.0	19.3		ug/L		97	50 - 136
N-Propylbenzene	20.0	20.3		ug/L		101	67 - 130
Styrene	20.0	20.0		ug/L		100	68 - 131
1,1,2,2-Tetrachloroethane	20.0	18.3		ug/L		92	70 - 130
Tetrachloroethene	20.0	19.9		ug/L		99	50 - 143
Toluene	20.0	19.5		ug/L		98	70 - 131
1,2,3-Trichlorobenzene	20.0	19.9		ug/L		99	58 - 132
1,2,4-Trichlorobenzene	20.0	20.1		ug/L		101	66 - 130
1,1,1-Trichloroethane	20.0	19.4		ug/L		97	63 - 132
1,1,2-Trichloroethane	20.0	18.7		ug/L		93	70 - 130
Trichloroethene	20.0	19.9		ug/L		99	63 - 139
Trichlorofluoromethane	20.0	18.7		ug/L		93	62 - 146
1,2,3-Trichloropropane	20.0	18.4		ug/L		92	66 - 130
1,2,4-Trimethylbenzene	20.0	20.4		ug/L		102	70 - 132
1,3,5-Trimethylbenzene	20.0	20.0		ug/L		100	65 - 134
Vinyl chloride	20.0	15.3		ug/L		77	48 - 147
o-Xylene	20.0	20.0		ug/L		100	69 - 130
2-Butanone (MEK)	40.0	42.5		ug/L		106	63 - 140
4-Methyl-2-pentanone (MIBK)	40.0	38.7		ug/L		97	64 - 137
Carbon disulfide	40.0	53.0		ug/L		133	30 - 150
2-Hexanone	40.0	38.7		ug/L		97	60 - 148
Methyl tert-butyl ether	40.0	41.5		ug/L		104	67 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*99*		*70 - 130*
4-Bromofluorobenzene	*99*		*70 - 130*
Dibromofluoromethane	*99*		*70 - 130*

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

Lab Sample ID: 660-45146-E-2 MS
Matrix: Water
Analysis Batch: 118745

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	9.9	U	40.0	49.6		ug/L		124	62 - 142
Benzene	0.50	U	20.0	20.0		ug/L		100	68 - 134
Bromobenzene	0.58	U	20.0	20.2		ug/L		101	70 - 130
Chlorobromomethane	0.58	U	20.0	20.9		ug/L		105	70 - 130
Dichlorobromomethane	0.35	U	20.0	19.4		ug/L		97	70 - 130
Bromoform	0.58	U	20.0	14.6		ug/L		73	65 - 130
Bromomethane	2.5	U	20.0	14.9		ug/L		74	22 - 150
n-Butylbenzene	0.67	U	20.0	19.4		ug/L		97	61 - 131
sec-Butylbenzene	0.63	U	20.0	19.4		ug/L		97	68 - 133
tert-Butylbenzene	0.84	U	20.0	19.3		ug/L		97	64 - 130
Carbon tetrachloride	0.42	U	20.0	18.6		ug/L		93	61 - 134
Chlorobenzene	0.63	U	20.0	19.4		ug/L		97	70 - 130
Chloroethane	2.5	U	20.0	21.8		ug/L		109	39 - 150
Chloroform	0.90	U	20.0	18.9		ug/L		95	68 - 130
Chloromethane	1.0	U	20.0	14.0		ug/L		70	35 - 150
2-Chlorotoluene	0.65	U	20.0	19.8		ug/L		99	70 - 130
4-Chlorotoluene	0.52	U	20.0	18.5		ug/L		92	70 - 130
Chlorodibromomethane	0.34	U	20.0	16.2		ug/L		81	70 - 130
1,2-Dibromo-3-Chloropropane	2.5	U	20.0	18.3		ug/L		92	63 - 130
Ethylene Dibromide	0.50	U	20.0	19.2		ug/L		96	66 - 130
Dibromomethane	0.41	U	20.0	19.4		ug/L		97	70 - 130
1,2-Dichlorobenzene	0.44	U	20.0	19.8		ug/L		99	70 - 130
1,3-Dichlorobenzene	0.64	U	20.0	19.9		ug/L		100	70 - 130
1,4-Dichlorobenzene	0.52	U	20.0	19.6		ug/L		98	70 - 130
Dichlorodifluoromethane	2.5	U	20.0	18.4		ug/L		92	16 - 149
1,1-Dichloroethane	0.52	U	20.0	19.6		ug/L		98	66 - 130
1,2-Dichloroethane	0.57	U	20.0	19.6		ug/L		98	70 - 130
1,1,1,2-Tetrachloroethane	0.63	U	20.0	19.0		ug/L		95	70 - 130
1,1-Dichloroethene	0.45	U	20.0	18.1		ug/L		90	51 - 150
cis-1,2-Dichloroethene	0.65	U	20.0	19.3		ug/L		97	66 - 130
trans-1,2-Dichloroethene	0.44	U	20.0	19.1		ug/L		96	62 - 139
1,2-Dichloropropane	0.52	U	20.0	20.2		ug/L		101	70 - 130
1,3-Dichloropropane	0.39	U	20.0	20.1		ug/L		100	70 - 130
2,2-Dichloropropane	0.36	U	20.0	18.6		ug/L		93	66 - 134
1,1-Dichloropropene	0.31	U	20.0	19.2		ug/L		96	65 - 136
cis-1,3-Dichloropropene	0.14	U	20.0	19.5		ug/L		97	70 - 130
trans-1,3-Dichloropropene	0.14	U	20.0	18.9		ug/L		94	67 - 130
Ethylbenzene	0.44	U	20.0	19.9		ug/L		99	70 - 130
Hexachlorobutadiene	0.40	U	20.0	18.2		ug/L		91	62 - 143
Isopropylbenzene	0.19	U	20.0	19.4		ug/L		97	62 - 130
4-Isopropyltoluene	0.69	U	20.0	20.5		ug/L		103	65 - 134
Methylene Chloride	4.0	U	20.0	19.1		ug/L		95	57 - 130
Naphthalene	2.5	U	20.0	19.6		ug/L		98	50 - 136
N-Propylbenzene	0.59	U	20.0	19.8		ug/L		99	67 - 130
Styrene	0.98	U	20.0	20.0		ug/L		100	68 - 131
1,1,2,2-Tetrachloroethane	0.15	U	20.0	18.7		ug/L		94	70 - 130
Tetrachloroethene	0.50	U	20.0	20.4		ug/L		102	50 - 143
Toluene	1.0	U	20.0	19.6		ug/L		98	70 - 131
1,2,3-Trichlorobenzene	0.77	U	20.0	19.8		ug/L		99	58 - 132

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

Lab Sample ID: 660-45146-E-2 MS
Matrix: Water
Analysis Batch: 118745

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	0.58	U	20.0	20.1		ug/L		101	66 - 130
1,1,1-Trichloroethane	0.46	U	20.0	18.7		ug/L		94	63 - 132
1,1,2-Trichloroethane	0.47	U	20.0	19.0		ug/L		95	70 - 130
Trichloroethene	0.50	U	20.0	18.9		ug/L		94	63 - 139
Trichlorofluoromethane	2.5	U	20.0	18.9		ug/L		95	62 - 146
1,2,3-Trichloropropane	0.18	U	20.0	18.9		ug/L		95	66 - 130
1,2,4-Trimethylbenzene	0.86	U	20.0	19.8		ug/L		99	70 - 132
1,3,5-Trimethylbenzene	0.54	U	20.0	19.7		ug/L		99	65 - 134
Vinyl chloride	0.50	U	20.0	15.0		ug/L		75	48 - 147
o-Xylene	0.50	U	20.0	19.9		ug/L		100	69 - 130
2-Butanone (MEK)	8.4	U	40.0	43.1		ug/L		108	63 - 140
4-Methyl-2-pentanone (MIBK)	3.8	U	40.0	39.2		ug/L		98	64 - 137
Carbon disulfide	1.0	U	40.0	42.7		ug/L		107	30 - 150
2-Hexanone	4.4	U	40.0	40.7		ug/L		102	60 - 148
Methyl tert-butyl ether	0.44	U	40.0	41.7		ug/L		104	67 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*100*		*70 - 130*
4-Bromofluorobenzene	*98*		*70 - 130*
Dibromofluoromethane	*101*		*70 - 130*

Lab Sample ID: 660-45146-F-1 DU
Matrix: Water
Analysis Batch: 118745

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Acetone	9.9	U	9.9	U	ug/L		NC	30
Benzene	0.50	U	0.50	U	ug/L		NC	30
Bromobenzene	0.58	U	0.58	U	ug/L		NC	30
Chlorobromomethane	0.58	U	0.58	U	ug/L		NC	30
Dichlorobromomethane	0.35	U	0.35	U	ug/L		NC	30
Bromoform	0.58	U	0.58	U	ug/L		NC	30
Bromomethane	2.5	U	2.5	U	ug/L		NC	30
n-Butylbenzene	0.67	U	0.67	U	ug/L		NC	30
sec-Butylbenzene	0.63	U	0.63	U	ug/L		NC	30
tert-Butylbenzene	0.84	U	0.84	U	ug/L		NC	30
Carbon tetrachloride	0.42	U	0.42	U	ug/L		NC	30
Chlorobenzene	0.63	U	0.63	U	ug/L		NC	30
Chloroethane	2.5	U	2.5	U	ug/L		NC	30
Chloroform	0.90	U	0.90	U	ug/L		NC	30
Chloromethane	1.0	U	1.0	U	ug/L		NC	30
2-Chlorotoluene	0.65	U	0.65	U	ug/L		NC	30
4-Chlorotoluene	0.52	U	0.52	U	ug/L		NC	30
Chlorodibromomethane	0.34	U	0.34	U	ug/L		NC	30
1,2-Dibromo-3-Chloropropane	2.5	U	2.5	U	ug/L		NC	30
Ethylene Dibromide	0.50	U	0.50	U	ug/L		NC	30
Dibromomethane	0.41	U	0.41	U	ug/L		NC	30
1,2-Dichlorobenzene	0.44	U	0.44	U	ug/L		NC	30
1,3-Dichlorobenzene	0.64	U	0.64	U	ug/L		NC	30

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

Lab Sample ID: 660-45146-F-1 DU
Matrix: Water
Analysis Batch: 118745

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
1,4-Dichlorobenzene	0.52	U		0.52	U	ug/L				NC	30
Dichlorodifluoromethane	2.5	U		2.5	U	ug/L				NC	30
1,1-Dichloroethane	0.52	U		0.52	U	ug/L				NC	30
1,2-Dichloroethane	0.57	U		0.57	U	ug/L				NC	30
1,1,1,2-Tetrachloroethane	0.63	U		0.63	U	ug/L				NC	30
1,1-Dichloroethene	0.45	U		0.45	U	ug/L				NC	30
cis-1,2-Dichloroethene	0.65	U		0.65	U	ug/L				NC	30
trans-1,2-Dichloroethene	0.44	U		0.44	U	ug/L				NC	30
1,2-Dichloropropane	0.52	U		0.52	U	ug/L				NC	30
1,3-Dichloropropane	0.39	U		0.39	U	ug/L				NC	30
2,2-Dichloropropane	0.36	U		0.36	U	ug/L				NC	30
1,1-Dichloropropene	0.31	U		0.31	U	ug/L				NC	30
cis-1,3-Dichloropropene	0.14	U		0.14	U	ug/L				NC	30
trans-1,3-Dichloropropene	0.14	U		0.14	U	ug/L				NC	30
Ethylbenzene	0.44	U		0.44	U	ug/L				NC	30
Hexachlorobutadiene	0.40	U		0.40	U	ug/L				NC	30
Isopropylbenzene	0.19	U		0.19	U	ug/L				NC	30
4-Isopropyltoluene	0.69	U		0.69	U	ug/L				NC	30
Methylene Chloride	4.0	U		4.0	U	ug/L				NC	30
Naphthalene	2.5	U		2.5	U	ug/L				NC	30
N-Propylbenzene	0.59	U		0.59	U	ug/L				NC	30
Styrene	0.98	U		0.98	U	ug/L				NC	30
1,1,2,2-Tetrachloroethane	0.15	U		0.15	U	ug/L				NC	30
Tetrachloroethene	0.50	U		0.50	U	ug/L				NC	30
Toluene	1.0	U		1.0	U	ug/L				NC	30
1,2,3-Trichlorobenzene	0.77	U		0.77	U	ug/L				NC	30
1,2,4-Trichlorobenzene	0.58	U		0.58	U	ug/L				NC	30
1,1,1-Trichloroethane	0.46	U		0.46	U	ug/L				NC	30
1,1,2-Trichloroethane	0.47	U		0.47	U	ug/L				NC	30
Trichloroethene	0.50	U		0.50	U	ug/L				NC	30
Trichlorofluoromethane	2.5	U		2.5	U	ug/L				NC	30
1,2,3-Trichloropropane	0.18	U		0.18	U	ug/L				NC	30
1,2,4-Trimethylbenzene	0.86	U		0.86	U	ug/L				NC	30
1,3,5-Trimethylbenzene	0.54	U		0.54	U	ug/L				NC	30
Vinyl chloride	0.50	U		0.50	U	ug/L				NC	30
o-Xylene	0.50	U		0.50	U	ug/L				NC	30
2-Butanone (MEK)	8.4	U		8.4	U	ug/L				NC	30
4-Methyl-2-pentanone (MIBK)	3.8	U		3.8	U	ug/L				NC	30
Carbon disulfide	1.0	U		1.0	U	ug/L				NC	30
2-Hexanone	4.4	U		4.4	U	ug/L				NC	30
Methyl tert-butyl ether	0.44	U		0.44	U	ug/L				NC	30
m-Xylene & p-Xylene	0.60	U		0.60	U	ug/L				NC	30

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
Toluene-d8 (Surr)	*100*		*70 - 130*
4-Bromofluorobenzene	*100*		*70 - 130*
Dibromofluoromethane	*99*		*70 - 130*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Lab Sample ID: MB 660-118669/6 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 118669

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			12/13/11 20:38	1

Lab Sample ID: LCS 660-118669/4 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 118669

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dioxane	25.0	22.8		ug/L		91	50 - 150

Lab Sample ID: 660-45165-A-1 MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 118669

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dioxane	2.8		25.0	25.7		ug/L		91	50 - 150

Lab Sample ID: 660-45165-A-1 DU — **Client Sample ID: Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 118669

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
1,4-Dioxane	2.8		1.35	I J3	ug/L		70	50

Lab Sample ID: MB 660-118700/6 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 118700

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			12/14/11 09:23	1

Lab Sample ID: LCS 660-118700/4 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 118700

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dioxane	25.0	25.2		ug/L		101	50 - 150

Lab Sample ID: 660-45174-A-7 MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 118700

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dioxane	1.0	U	25.0	23.3		ug/L		93	50 - 150

Lab Sample ID: 660-45174-A-7 MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 118700

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dioxane	1.0	U	25.0	22.1		ug/L		88	50 - 150	6	50

QC Association Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45165-1

GC/MS VOA

Analysis Batch: 118669

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-45165-2	Mid Process	Total/NA	Water	8260C _SIM/ID	
660-45165-A-1 DU	Duplicate	Total/NA	Water	8260C _SIM/ID	
660-45165-A-1 MS	Matrix Spike	Total/NA	Water	8260C _SIM/ID	
LCS 660-118669/4	Lab Control Sample	Total/NA	Water	8260C _SIM/ID	
MB 660-118669/6	Method Blank	Total/NA	Water	8260C _SIM/ID	

Analysis Batch: 118700

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-45165-1	Primary GAC Effluent	Total/NA	Water	8260C _SIM/ID	
660-45174-A-7 MS	Matrix Spike	Total/NA	Water	8260C _SIM/ID	
660-45174-A-7 MSD	Matrix Spike Duplicate	Total/NA	Water	8260C _SIM/ID	
LCS 660-118700/4	Lab Control Sample	Total/NA	Water	8260C _SIM/ID	
MB 660-118700/6	Method Blank	Total/NA	Water	8260C _SIM/ID	

Analysis Batch: 118745

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-45146-E-2 MS	Matrix Spike	Total/NA	Water	8260B	
660-45146-F-1 DU	Duplicate	Total/NA	Water	8260B	
660-45165-1	Primary GAC Effluent	Total/NA	Water	8260B	
660-45165-2	Mid Process	Total/NA	Water	8260B	
LCS 660-118745/3	Lab Control Sample	Total/NA	Water	8260B	
MB 660-118745/5	Method Blank	Total/NA	Water	8260B	

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45165-1

Client Sample ID: Primary GAC Effluent

Lab Sample ID: 660-45165-1

Date Collected: 12/13/11 09:00

Matrix: Water

Date Received: 12/13/11 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C _SIM/ID		1	118700	12/14/11 10:09	AP	TAL TAM
Total/NA	Analysis	8260B		1	118745	12/14/11 11:23	EC	TAL TAM

Client Sample ID: Mid Process

Lab Sample ID: 660-45165-2

Date Collected: 12/13/11 09:10

Matrix: Water

Date Received: 12/13/11 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C _SIM/ID		1	118669	12/13/11 23:35	AP	TAL TAM
Total/NA	Analysis	8260B		1	118745	12/14/11 11:46	EC	TAL TAM

Laboratory References:

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Certification Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45165-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Tampa	Alabama	State Program	4	40610
TestAmerica Tampa	Florida	NELAC	4	E84282
TestAmerica Tampa	Georgia	State Program	4	905
TestAmerica Tampa	USDA	USDA		P330-11-00177

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45165-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL TAM
8260C _SIM/ID	1,4-Dioxane by SIM/Isotopic Dilution	SW846	TAL TAM

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45165-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
660-45165-1	Primary GAC Effluent	Water	12/13/11 09:00	12/13/11 13:00
660-45165-2	Mid Process	Water	12/13/11 09:10	12/13/11 13:00

Serial Number 015900

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Tampa
6712 Benjamin Road, Suite 100
Tampa, FL 33634
Website: www.testamericainc.com
Phone: (813) 885-7427
Fax: (813) 885-7049

Alternate Laboratory Name/Location
Phone: 660-45165
Fax:

12/15/2011

PROJECT REFERENCE: Tallevast Carbon OM	PROJECT NO.: —	PROJECT LOCATION (STATE): FL	PAGE 1 OF 1
SAMPLER'S SIGNATURE: [signature]	P.O. NUMBER: 38055.00009	CONTRACT NO.: —	STANDARD REPORT DELIVERY ○
CLIENT (SITE) PM: Don Sauda	CLIENT PHONE: 8137484874	CLIENT FAX: —	DATE DUE:
CLIENT NAME: Arcadis	CLIENT E-MAIL: donald.sauda@arcadis-us.com		EXPEDITED REPORT DELIVERY (SURCHARGE) ☒ DATE DUE: 48hrs
CLIENT ADDRESS: 1600 Tallevast Rd Sarasota, FL 34243			
COMPANY CONTRACTING THIS WORK (if applicable): LMC			NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

REQUIRED ANALYSIS: 8260 B/C Sim 1P

PRESERVATIVE: HCL

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT....)	NUMBER OF CONTAINERS SUBMITTED	REMARKS
12/13/11	0900	Primary GAC Effluent	G	X				4	inf flow = 20.2 gpm
12/13/11	0910	Mid Process	G	X				4	sys flow = 21 gpm
									inf pH = 2.8
									eff pH = 5.9

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[illegible]			[signature]	12/13/11	1155			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
[signature]	12/12/11	0800	[signature]	12-13-11	1155			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	TAMPA LOG NO.	COOLER TEMP. UPON RECEIPT	LABORATORY REMARKS
[signature]	12/13/11	1300	YES ○ NO ○			4.2 CV-07	

TAL8240-660 (0209)

R625-EDC-002289-0

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 660-45165-1

Login Number: 45165
List Number: 1
Creator: Snead, Joshua

List Source: TestAmerica Tampa

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.2c CU07
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Tampa
6712 Benjamin Road
Suite 100
Tampa, FL 33634
Tel: (813)885-7427

TestAmerica Job ID: 660-45174-1
Client Project/Site: Tallevast SemiAnnual

For:
ARCADIS U.S. Inc
6723 Towpath Road
PO BOX 66
Syracuse, New York 13214

Attn: Donald Sauda

Authorized for release by:
12/29/2011 1:14:17 PM

Tina Fritz
Project Manager II
tina.fritz@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates that the compound was analyzed for but not detected.
J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 660-45174-1

Laboratory: TestAmerica Tampa

Narrative

Job Narrative
660-45174-1

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
Method 8260B: A full list spike was utilized for this method. The LCS associated with batch 118870 had 4 analytes outside control limits. The laboratory's SOP allows for 5 analytes to recover outside criteria for this method when a full list spike is utilized. These results have been reported and qualified.

Method 8260B: The matrix spike duplicate (MSD) recoveries and the matrix spike / matrix spike duplicate (MS/MSD) precision for batch 118870 were outside control limits.

Method 8260B: The initial calibration verification (ICV) for analytical batch 118738 exceeded control criteria for Vinyl Acetate. The data have been qualified and reported.

No other analytical or quality issues were noted.

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast SemiAnnual

TestAmerica Job ID: 660-45174-1

Client Sample ID: MW-69 — Lab Sample ID: 660-45174-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.2		1.0	0.52	ug/L	1		8260B	Total/NA
1,4-Dioxane	12		2.0	1.0	ug/L	1		8260C _SIM/ID	Total/NA

Client Sample ID: MW-71 — Lab Sample ID: 660-45174-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	2.5		1.0	0.50	ug/L	1		8260B	Total/NA

Client Sample ID: MW-91 — Lab Sample ID: 660-45174-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	3.0		1.0	0.52	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	3.4		1.0	0.45	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	11		1.0	0.65	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	1.4		1.0	0.44	ug/L	1		8260B	Total/NA
Trichloroethene	28		1.0	0.50	ug/L	1		8260B	Total/NA
1,4-Dioxane	84		10	5.0	ug/L	5		8260C _SIM/ID	Total/NA

Client Sample ID: MW-108 — Lab Sample ID: 660-45174-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.95	I	1.0	0.52	ug/L	1		8260B	Total/NA
1,4-Dioxane	8.9		2.0	1.0	ug/L	1		8260C _SIM/ID	Total/NA

Client Sample ID: MW-41 — Lab Sample ID: 660-45174-5

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	28		1.0	0.52	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	43		1.0	0.45	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	53		1.0	0.65	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	1.7		1.0	0.44	ug/L	1		8260B	Total/NA
Tetrachloroethene	0.88	I	1.0	0.50	ug/L	1		8260B	Total/NA
Trichloroethene - DL	260		10	5.0	ug/L	10		8260B	Total/NA
1,4-Dioxane	480		40	20	ug/L	20		8260C _SIM/ID	Total/NA

Client Sample ID: MW-47 — Lab Sample ID: 660-45174-6

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.8		1.0	0.52	ug/L	1		8260B	Total/NA
1,4-Dioxane	26		2.0	1.0	ug/L	1		8260C _SIM/ID	Total/NA

Client Sample ID: MW-32 — Lab Sample ID: 660-45174-7

No Detections

Client Sample ID: MW-68 — Lab Sample ID: 660-45174-8

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	1.1		1.0	0.50	ug/L	1		8260B	Total/NA
1,4-Dioxane	5.3		2.0	1.0	ug/L	1		8260C _SIM/ID	Total/NA

Client Sample ID: MW-239 — Lab Sample ID: 660-45174-9

Client Sample ID: MW-239 (Continued) — Lab Sample ID: 660-45174-9

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	3.0		1.0	0.65	ug/L	1		8260B	Total/NA
Trichloroethene	5.0		1.0	0.50	ug/L	1		8260B	Total/NA
1,4-Dioxane	11		2.0	1.0	ug/L	1		8260C _SIM/ID	Total/NA

Client Sample ID: FB-1-12122011 — Lab Sample ID: 660-45174-10

No Detections

Client Sample ID: MW-33 — Lab Sample ID: 660-45174-11

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	19		1.0	0.52	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	43		1.0	0.45	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	48		1.0	0.65	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	1.8		1.0	0.44	ug/L	1		8260B	Total/NA
Tetrachloroethene	51		1.0	0.50	ug/L	1		8260B	Total/NA
Trichloroethene - DL	260		5.0	2.5	ug/L	5		8260B	Total/NA
1,4-Dioxane	44		2.0	1.0	ug/L	1		8260C _SIM/ID	Total/NA

Client Sample ID: MW-134 — Lab Sample ID: 660-45174-12

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	16		1.0	0.52	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	85		1.0	0.45	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	8.0		1.0	0.44	ug/L	1		8260B	Total/NA
Trichloroethene	7.7		1.0	0.50	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene - DL	830		100	65	ug/L	100		8260B	Total/NA
1,4-Dioxane	100		20	10	ug/L	10		8260C _SIM/ID	Total/NA

Client Sample ID: MW-127 — Lab Sample ID: 660-45174-13

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	46		10	5.2	ug/L	10		8260B	Total/NA
1,1-Dichloroethene	220		10	4.5	ug/L	10		8260B	Total/NA
cis-1,2-Dichloroethene	670		10	6.5	ug/L	10		8260B	Total/NA
trans-1,2-Dichloroethene	31		10	4.4	ug/L	10		8260B	Total/NA
Tetrachloroethene	51		10	5.0	ug/L	10		8260B	Total/NA
Vinyl chloride	120		10	5.0	ug/L	10		8260B	Total/NA
Trichloroethene - DL	2100		100	50	ug/L	100		8260B	Total/NA
1,4-Dioxane	360		40	20	ug/L	20		8260C _SIM/ID	Total/NA

Client Sample ID: MW-128 — Lab Sample ID: 660-45174-14

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.2		1.0	0.52	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	2.4		1.0	0.45	ug/L	1		8260B	Total/NA
Trichloroethene	4.4		1.0	0.50	ug/L	1		8260B	Total/NA

Client Sample ID: IWI-2 — Lab Sample ID: 660-45174-15

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	3.5		1.0	0.52	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	6.4		1.0	0.45	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	22		1.0	0.65	ug/L	1		8260B	Total/NA

Client Sample ID: IWI-2 (Continued) — Lab Sample ID: 660-45174-15

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	11		1.0	0.50	ug/L	1		8260B	Total/NA
Vinyl chloride	13		1.0	0.50	ug/L	1		8260B	Total/NA
1,4-Dioxane	52		2.0	1.0	ug/L	1		8260C _SIM/ID	Total/NA

Client Sample ID: MW-57 — Lab Sample ID: 660-45174-16

No Detections

Client Sample ID: MW-130 — Lab Sample ID: 660-45174-17

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	11		1.0	0.52	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	31		1.0	0.45	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	1.2		1.0	0.65	ug/L	1		8260B	Total/NA
Trichloroethene	3.9		1.0	0.50	ug/L	1		8260B	Total/NA
1,4-Dioxane	130		4.0	2.0	ug/L	2		8260C _SIM/ID	Total/NA

Client Sample ID: MW-254 — Lab Sample ID: 660-45174-18

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	6.4		2.0	1.3	ug/L	2		8260B	Total/NA
Tetrachloroethene	290		2.0	1.0	ug/L	2		8260B	Total/NA
Trichloroethene	9.3		2.0	1.0	ug/L	2		8260B	Total/NA

Client Sample ID: TB-12132011 — Lab Sample ID: 660-45174-19

No Detections

Client Sample ID: MW-44 — Lab Sample ID: 660-45174-20

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	36		1.0	0.52	ug/L	1		8260B	Total/NA
Vinyl chloride	17		1.0	0.50	ug/L	1		8260B	Total/NA
1,4-Dioxane	37		2.0	1.0	ug/L	1		8260C _SIM/ID	Total/NA

Client Sample ID: MW-85 — Lab Sample ID: 660-45174-21

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	54		1.0	0.52	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	23		1.0	0.45	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	15		1.0	0.65	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	0.60	I	1.0	0.44	ug/L	1		8260B	Total/NA
Trichloroethene	1.2		1.0	0.50	ug/L	1		8260B	Total/NA
Vinyl chloride	2.0		1.0	0.50	ug/L	1		8260B	Total/NA
1,4-Dioxane	150		10	5.0	ug/L	5		8260C _SIM/ID	Total/NA

Client Sample ID: MW-81 — Lab Sample ID: 660-45174-22

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	4.6		1.0	0.52	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	18		1.0	0.45	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	33		1.0	0.65	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	1.4		1.0	0.44	ug/L	1		8260B	Total/NA
Trichloroethene	24		1.0	0.50	ug/L	1		8260B	Total/NA

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast SemiAnnual

TestAmerica Job ID: 660-45174-1

Client Sample ID: MW-81 (Continued) — Lab Sample ID: 660-45174-22

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	110		10	5.0	ug/L	5		8260C _SIM/ID	Total/NA

Client Sample ID: MW-158 — Lab Sample ID: 660-45174-23

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.4		1.0	0.52	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	0.71	I	1.0	0.45	ug/L	1		8260B	Total/NA
1,4-Dioxane	37		2.0	1.0	ug/L	1		8260C _SIM/ID	Total/NA

Client Sample ID: MW-69
Date Collected: 12/08/11 12:51
Date Received: 12/13/11 13:00

Lab Sample ID: 660-45174-1
Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			12/16/11 00:25	1
Benzene	0.50	U	1.0	0.50	ug/L			12/16/11 00:25	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			12/16/11 00:25	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			12/16/11 00:25	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			12/16/11 00:25	1
Bromoform	0.58	U	1.0	0.58	ug/L			12/16/11 00:25	1
Bromomethane	2.5	U	5.0	2.5	ug/L			12/16/11 00:25	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			12/16/11 00:25	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			12/16/11 00:25	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			12/16/11 00:25	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			12/16/11 00:25	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			12/16/11 00:25	1
Chloroethane	2.5	U	5.0	2.5	ug/L			12/16/11 00:25	1
Chloroform	0.90	U	1.0	0.90	ug/L			12/16/11 00:25	1
Chloromethane	1.0	U	4.0	1.0	ug/L			12/16/11 00:25	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			12/16/11 00:25	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			12/16/11 00:25	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			12/16/11 00:25	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			12/16/11 00:25	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			12/16/11 00:25	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			12/16/11 00:25	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			12/16/11 00:25	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			12/16/11 00:25	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			12/16/11 00:25	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			12/16/11 00:25	1
1,1-Dichloroethane	**1.2**		1.0	0.52	ug/L			12/16/11 00:25	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			12/16/11 00:25	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			12/16/11 00:25	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			12/16/11 00:25	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			12/16/11 00:25	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			12/16/11 00:25	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			12/16/11 00:25	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			12/16/11 00:25	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/16/11 00:25	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			12/16/11 00:25	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/16/11 00:25	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/16/11 00:25	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			12/16/11 00:25	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			12/16/11 00:25	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			12/16/11 00:25	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			12/16/11 00:25	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			12/16/11 00:25	1
Naphthalene	2.5	U	5.0	2.5	ug/L			12/16/11 00:25	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			12/16/11 00:25	1
Styrene	0.98	U	2.0	0.98	ug/L			12/16/11 00:25	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			12/16/11 00:25	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			12/16/11 00:25	1
Toluene	1.0	U	1.0	1.0	ug/L			12/16/11 00:25	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			12/16/11 00:25	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			12/16/11 00:25	1

Client Sample ID: MW-69

Lab Sample ID: 660-45174-1

Date Collected: 12/08/11 12:51

Matrix: Water

Date Received: 12/13/11 13:00

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			12/16/11 00:25	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			12/16/11 00:25	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			12/16/11 00:25	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			12/16/11 00:25	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			12/16/11 00:25	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			12/16/11 00:25	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			12/16/11 00:25	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/16/11 00:25	1
o-Xylene	0.50	U	1.0	0.50	ug/L			12/16/11 00:25	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			12/16/11 00:25	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			12/16/11 00:25	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			12/16/11 00:25	1
2-Hexanone	4.4	U	10	4.4	ug/L			12/16/11 00:25	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			12/16/11 00:25	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			12/16/11 00:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*70 - 130*		*12/16/11 00:25*	*1*
4-Bromofluorobenzene	*98*		*70 - 130*		*12/16/11 00:25*	*1*
Dibromofluoromethane	*102*		*70 - 130*		*12/16/11 00:25*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**12**		2.0	1.0	ug/L			12/14/11 14:19	1

Client Sample ID: MW-71

Lab Sample ID: 660-45174-2

Date Collected: 12/07/11 10:34

Matrix: Water

Date Received: 12/13/11 13:00

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			12/16/11 00:43	1
Benzene	0.50	U	1.0	0.50	ug/L			12/16/11 00:43	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			12/16/11 00:43	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			12/16/11 00:43	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			12/16/11 00:43	1
Bromoform	0.58	U	1.0	0.58	ug/L			12/16/11 00:43	1
Bromomethane	2.5	U	5.0	2.5	ug/L			12/16/11 00:43	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			12/16/11 00:43	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			12/16/11 00:43	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			12/16/11 00:43	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			12/16/11 00:43	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			12/16/11 00:43	1
Chloroethane	2.5	U	5.0	2.5	ug/L			12/16/11 00:43	1
Chloroform	0.90	U	1.0	0.90	ug/L			12/16/11 00:43	1
Chloromethane	1.0	U	4.0	1.0	ug/L			12/16/11 00:43	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			12/16/11 00:43	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			12/16/11 00:43	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			12/16/11 00:43	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			12/16/11 00:43	1

Client Sample ID: MW-71
Date Collected: 12/07/11 10:34
Date Received: 12/13/11 13:00

Lab Sample ID: 660-45174-2
Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			12/16/11 00:43	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			12/16/11 00:43	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			12/16/11 00:43	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			12/16/11 00:43	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			12/16/11 00:43	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			12/16/11 00:43	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			12/16/11 00:43	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			12/16/11 00:43	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			12/16/11 00:43	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			12/16/11 00:43	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			12/16/11 00:43	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			12/16/11 00:43	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			12/16/11 00:43	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			12/16/11 00:43	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/16/11 00:43	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			12/16/11 00:43	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/16/11 00:43	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/16/11 00:43	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			12/16/11 00:43	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			12/16/11 00:43	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			12/16/11 00:43	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			12/16/11 00:43	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			12/16/11 00:43	1
Naphthalene	2.5	U	5.0	2.5	ug/L			12/16/11 00:43	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			12/16/11 00:43	1
Styrene	0.98	U	2.0	0.98	ug/L			12/16/11 00:43	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			12/16/11 00:43	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			12/16/11 00:43	1
Toluene	1.0	U	1.0	1.0	ug/L			12/16/11 00:43	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			12/16/11 00:43	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			12/16/11 00:43	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			12/16/11 00:43	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			12/16/11 00:43	1
Trichloroethene	**2.5**		1.0	0.50	ug/L			12/16/11 00:43	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			12/16/11 00:43	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			12/16/11 00:43	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			12/16/11 00:43	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			12/16/11 00:43	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/16/11 00:43	1
o-Xylene	0.50	U	1.0	0.50	ug/L			12/16/11 00:43	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			12/16/11 00:43	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			12/16/11 00:43	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			12/16/11 00:43	1
2-Hexanone	4.4	U	10	4.4	ug/L			12/16/11 00:43	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			12/16/11 00:43	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			12/16/11 00:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*103*		*70 - 130*		*12/16/11 00:43*	*1*
4-Bromofluorobenzene	*79*		*70 - 130*		*12/16/11 00:43*	*1*

Client Sample ID: MW-71

Lab Sample ID: 660-45174-2

Date Collected: 12/07/11 10:34

Matrix: Water

Date Received: 12/13/11 13:00

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*98*		*70 - 130*		*12/16/11 00:43*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			12/14/11 14:41	1

Client Sample ID: MW-91

Lab Sample ID: 660-45174-3

Date Collected: 12/07/11 14:04

Matrix: Water

Date Received: 12/13/11 13:00

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			12/16/11 01:00	1
Benzene	0.50	U	1.0	0.50	ug/L			12/16/11 01:00	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			12/16/11 01:00	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			12/16/11 01:00	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			12/16/11 01:00	1
Bromoform	0.58	U	1.0	0.58	ug/L			12/16/11 01:00	1
Bromomethane	2.5	U	5.0	2.5	ug/L			12/16/11 01:00	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			12/16/11 01:00	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			12/16/11 01:00	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			12/16/11 01:00	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			12/16/11 01:00	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			12/16/11 01:00	1
Chloroethane	2.5	U	5.0	2.5	ug/L			12/16/11 01:00	1
Chloroform	0.90	U	1.0	0.90	ug/L			12/16/11 01:00	1
Chloromethane	1.0	U	4.0	1.0	ug/L			12/16/11 01:00	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			12/16/11 01:00	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			12/16/11 01:00	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			12/16/11 01:00	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			12/16/11 01:00	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			12/16/11 01:00	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			12/16/11 01:00	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			12/16/11 01:00	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			12/16/11 01:00	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			12/16/11 01:00	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			12/16/11 01:00	1
1,1-Dichloroethane	**3.0**		1.0	0.52	ug/L			12/16/11 01:00	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			12/16/11 01:00	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			12/16/11 01:00	1
1,1-Dichloroethene	**3.4**		1.0	0.45	ug/L			12/16/11 01:00	1
cis-1,2-Dichloroethene	**11**		1.0	0.65	ug/L			12/16/11 01:00	1
trans-1,2-Dichloroethene	**1.4**		1.0	0.44	ug/L			12/16/11 01:00	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			12/16/11 01:00	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			12/16/11 01:00	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/16/11 01:00	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			12/16/11 01:00	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/16/11 01:00	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/16/11 01:00	1

Client Sample ID: MW-91

Lab Sample ID: 660-45174-3

Date Collected: 12/07/11 14:04

Matrix: Water

Date Received: 12/13/11 13:00

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	0.44	U	1.0	0.44	ug/L			12/16/11 01:00	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			12/16/11 01:00	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			12/16/11 01:00	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			12/16/11 01:00	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			12/16/11 01:00	1
Naphthalene	2.5	U	5.0	2.5	ug/L			12/16/11 01:00	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			12/16/11 01:00	1
Styrene	0.98	U	2.0	0.98	ug/L			12/16/11 01:00	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			12/16/11 01:00	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			12/16/11 01:00	1
Toluene	1.0	U	1.0	1.0	ug/L			12/16/11 01:00	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			12/16/11 01:00	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			12/16/11 01:00	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			12/16/11 01:00	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			12/16/11 01:00	1
Trichloroethene	**28**		1.0	0.50	ug/L			12/16/11 01:00	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			12/16/11 01:00	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			12/16/11 01:00	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			12/16/11 01:00	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			12/16/11 01:00	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/16/11 01:00	1
o-Xylene	0.50	U	1.0	0.50	ug/L			12/16/11 01:00	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			12/16/11 01:00	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			12/16/11 01:00	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			12/16/11 01:00	1
2-Hexanone	4.4	U	10	4.4	ug/L			12/16/11 01:00	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			12/16/11 01:00	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			12/16/11 01:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*115*		*70 - 130*		*12/16/11 01:00*	*1*
4-Bromofluorobenzene	*92*		*70 - 130*		*12/16/11 01:00*	*1*
Dibromofluoromethane	*103*		*70 - 130*		*12/16/11 01:00*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**84**		10	5.0	ug/L			12/14/11 18:02	5

Client Sample ID: MW-108

Lab Sample ID: 660-45174-4

Date Collected: 12/08/11 12:08

Matrix: Water

Date Received: 12/13/11 13:00

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			12/16/11 01:17	1
Benzene	0.50	U	1.0	0.50	ug/L			12/16/11 01:17	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			12/16/11 01:17	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			12/16/11 01:17	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			12/16/11 01:17	1
Bromoform	0.58	U	1.0	0.58	ug/L			12/16/11 01:17	1

Client Sample ID: MW-108
Date Collected: 12/08/11 12:08
Date Received: 12/13/11 13:00

Lab Sample ID: 660-45174-4
Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	2.5	U	5.0	2.5	ug/L			12/16/11 01:17	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			12/16/11 01:17	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			12/16/11 01:17	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			12/16/11 01:17	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			12/16/11 01:17	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			12/16/11 01:17	1
Chloroethane	2.5	U	5.0	2.5	ug/L			12/16/11 01:17	1
Chloroform	0.90	U	1.0	0.90	ug/L			12/16/11 01:17	1
Chloromethane	1.0	U	4.0	1.0	ug/L			12/16/11 01:17	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			12/16/11 01:17	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			12/16/11 01:17	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			12/16/11 01:17	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			12/16/11 01:17	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			12/16/11 01:17	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			12/16/11 01:17	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			12/16/11 01:17	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			12/16/11 01:17	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			12/16/11 01:17	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			12/16/11 01:17	1
1,1-Dichloroethane	**0.95**	**I**	1.0	0.52	ug/L			12/16/11 01:17	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			12/16/11 01:17	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			12/16/11 01:17	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			12/16/11 01:17	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			12/16/11 01:17	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			12/16/11 01:17	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			12/16/11 01:17	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			12/16/11 01:17	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/16/11 01:17	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			12/16/11 01:17	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/16/11 01:17	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/16/11 01:17	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			12/16/11 01:17	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			12/16/11 01:17	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			12/16/11 01:17	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			12/16/11 01:17	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			12/16/11 01:17	1
Naphthalene	2.5	U	5.0	2.5	ug/L			12/16/11 01:17	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			12/16/11 01:17	1
Styrene	0.98	U	2.0	0.98	ug/L			12/16/11 01:17	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			12/16/11 01:17	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			12/16/11 01:17	1
Toluene	1.0	U	1.0	1.0	ug/L			12/16/11 01:17	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			12/16/11 01:17	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			12/16/11 01:17	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			12/16/11 01:17	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			12/16/11 01:17	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			12/16/11 01:17	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			12/16/11 01:17	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			12/16/11 01:17	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			12/16/11 01:17	1

Client Sample ID: MW-108

Lab Sample ID: 660-45174-4

Date Collected: 12/08/11 12:08
Date Received: 12/13/11 13:00

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			12/16/11 01:17	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/16/11 01:17	1
o-Xylene	0.50	U	1.0	0.50	ug/L			12/16/11 01:17	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			12/16/11 01:17	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			12/16/11 01:17	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			12/16/11 01:17	1
2-Hexanone	4.4	U	10	4.4	ug/L			12/16/11 01:17	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			12/16/11 01:17	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			12/16/11 01:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*108*		*70 - 130*		*12/16/11 01:17*	*1*
4-Bromofluorobenzene	*99*		*70 - 130*		*12/16/11 01:17*	*1*
Dibromofluoromethane	*101*		*70 - 130*		*12/16/11 01:17*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**8.9**		2.0	1.0	ug/L			12/14/11 15:03	1

Client Sample ID: MW-41

Lab Sample ID: 660-45174-5

Date Collected: 12/08/11 13:51
Date Received: 12/13/11 13:00

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			12/16/11 03:16	1
Benzene	0.50	U	1.0	0.50	ug/L			12/16/11 03:16	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			12/16/11 03:16	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			12/16/11 03:16	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			12/16/11 03:16	1
Bromoform	0.58	U	1.0	0.58	ug/L			12/16/11 03:16	1
Bromomethane	2.5	U	5.0	2.5	ug/L			12/16/11 03:16	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			12/16/11 03:16	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			12/16/11 03:16	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			12/16/11 03:16	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			12/16/11 03:16	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			12/16/11 03:16	1
Chloroethane	2.5	U	5.0	2.5	ug/L			12/16/11 03:16	1
Chloroform	0.90	U	1.0	0.90	ug/L			12/16/11 03:16	1
Chloromethane	1.0	U	4.0	1.0	ug/L			12/16/11 03:16	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			12/16/11 03:16	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			12/16/11 03:16	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			12/16/11 03:16	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			12/16/11 03:16	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			12/16/11 03:16	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			12/16/11 03:16	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			12/16/11 03:16	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			12/16/11 03:16	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			12/16/11 03:16	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			12/16/11 03:16	1

Client Sample ID: MW-41

Date Collected: 12/08/11 13:51
Date Received: 12/13/11 13:00

Lab Sample ID: 660-45174-5

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	**28**		1.0	0.52	ug/L			12/16/11 03:16	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			12/16/11 03:16	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			12/16/11 03:16	1
1,1-Dichloroethene	**43**		1.0	0.45	ug/L			12/16/11 03:16	1
cis-1,2-Dichloroethene	**53**		1.0	0.65	ug/L			12/16/11 03:16	1
trans-1,2-Dichloroethene	**1.7**		1.0	0.44	ug/L			12/16/11 03:16	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			12/16/11 03:16	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			12/16/11 03:16	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/16/11 03:16	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			12/16/11 03:16	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/16/11 03:16	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/16/11 03:16	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			12/16/11 03:16	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			12/16/11 03:16	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			12/16/11 03:16	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			12/16/11 03:16	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			12/16/11 03:16	1
Naphthalene	2.5	U	5.0	2.5	ug/L			12/16/11 03:16	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			12/16/11 03:16	1
Styrene	0.98	U	2.0	0.98	ug/L			12/16/11 03:16	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			12/16/11 03:16	1
Tetrachloroethene	**0.88**	**I**	1.0	0.50	ug/L			12/16/11 03:16	1
Toluene	1.0	U	1.0	1.0	ug/L			12/16/11 03:16	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			12/16/11 03:16	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			12/16/11 03:16	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			12/16/11 03:16	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			12/16/11 03:16	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			12/16/11 03:16	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			12/16/11 03:16	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			12/16/11 03:16	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			12/16/11 03:16	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/16/11 03:16	1
o-Xylene	0.50	U	1.0	0.50	ug/L			12/16/11 03:16	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			12/16/11 03:16	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			12/16/11 03:16	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			12/16/11 03:16	1
2-Hexanone	4.4	U	10	4.4	ug/L			12/16/11 03:16	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			12/16/11 03:16	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			12/16/11 03:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*110*		*70 - 130*		*12/16/11 03:16*	*1*
4-Bromofluorobenzene	*112*		*70 - 130*		*12/16/11 03:16*	*1*
Dibromofluoromethane	*99*		*70 - 130*		*12/16/11 03:16*	*1*

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	**260**		10	5.0	ug/L			12/16/11 01:33	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*105*		*70 - 130*		*12/16/11 01:33*	*10*

Client Sample ID: MW-41

Lab Sample ID: 660-45174-5

Date Collected: 12/08/11 13:51

Matrix: Water

Date Received: 12/13/11 13:00

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*70 - 130*		*12/16/11 01:33*	*10*
Dibromofluoromethane	*110*		*70 - 130*		*12/16/11 01:33*	*10*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**480**		40	20	ug/L			12/14/11 16:55	20

Client Sample ID: MW-47

Lab Sample ID: 660-45174-6

Date Collected: 12/12/11 14:49

Matrix: Water

Date Received: 12/13/11 13:00

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			12/16/11 01:51	1
Benzene	0.50	U	1.0	0.50	ug/L			12/16/11 01:51	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			12/16/11 01:51	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			12/16/11 01:51	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			12/16/11 01:51	1
Bromoform	0.58	U	1.0	0.58	ug/L			12/16/11 01:51	1
Bromomethane	2.5	U	5.0	2.5	ug/L			12/16/11 01:51	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			12/16/11 01:51	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			12/16/11 01:51	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			12/16/11 01:51	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			12/16/11 01:51	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			12/16/11 01:51	1
Chloroethane	2.5	U	5.0	2.5	ug/L			12/16/11 01:51	1
Chloroform	0.90	U	1.0	0.90	ug/L			12/16/11 01:51	1
Chloromethane	1.0	U	4.0	1.0	ug/L			12/16/11 01:51	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			12/16/11 01:51	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			12/16/11 01:51	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			12/16/11 01:51	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			12/16/11 01:51	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			12/16/11 01:51	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			12/16/11 01:51	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			12/16/11 01:51	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			12/16/11 01:51	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			12/16/11 01:51	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			12/16/11 01:51	1
1,1-Dichloroethane	**1.8**		1.0	0.52	ug/L			12/16/11 01:51	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			12/16/11 01:51	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			12/16/11 01:51	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			12/16/11 01:51	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			12/16/11 01:51	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			12/16/11 01:51	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			12/16/11 01:51	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			12/16/11 01:51	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/16/11 01:51	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			12/16/11 01:51	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/16/11 01:51	1

Client Sample ID: MW-47

Lab Sample ID: 660-45174-6

Date Collected: 12/12/11 14:49

Matrix: Water

Date Received: 12/13/11 13:00

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/16/11 01:51	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			12/16/11 01:51	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			12/16/11 01:51	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			12/16/11 01:51	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			12/16/11 01:51	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			12/16/11 01:51	1
Naphthalene	2.5	U	5.0	2.5	ug/L			12/16/11 01:51	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			12/16/11 01:51	1
Styrene	0.98	U	2.0	0.98	ug/L			12/16/11 01:51	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			12/16/11 01:51	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			12/16/11 01:51	1
Toluene	1.0	U	1.0	1.0	ug/L			12/16/11 01:51	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			12/16/11 01:51	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			12/16/11 01:51	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			12/16/11 01:51	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			12/16/11 01:51	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			12/16/11 01:51	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			12/16/11 01:51	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			12/16/11 01:51	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			12/16/11 01:51	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			12/16/11 01:51	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/16/11 01:51	1
o-Xylene	0.50	U	1.0	0.50	ug/L			12/16/11 01:51	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			12/16/11 01:51	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			12/16/11 01:51	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			12/16/11 01:51	1
2-Hexanone	4.4	U	10	4.4	ug/L			12/16/11 01:51	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			12/16/11 01:51	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			12/16/11 01:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*110*		*70 - 130*		*12/16/11 01:51*	*1*
4-Bromofluorobenzene	*100*		*70 - 130*		*12/16/11 01:51*	*1*
Dibromofluoromethane	*96*		*70 - 130*		*12/16/11 01:51*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**26**		2.0	1.0	ug/L			12/14/11 15:24	1

Client Sample ID: MW-32

Lab Sample ID: 660-45174-7

Date Collected: 12/12/11 16:51

Matrix: Water

Date Received: 12/13/11 13:00

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U J3	20	9.9	ug/L			12/16/11 16:46	1
Benzene	0.50	U	1.0	0.50	ug/L			12/16/11 16:46	1
Bromobenzene	0.58	U J3	1.0	0.58	ug/L			12/16/11 16:46	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			12/16/11 16:46	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			12/16/11 16:46	1

Client Sample ID: MW-32

Date Collected: 12/12/11 16:51
Date Received: 12/13/11 13:00

Lab Sample ID: 660-45174-7

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	0.58	U	1.0	0.58	ug/L			12/16/11 16:46	1
Bromomethane	2.5	U J3	5.0	2.5	ug/L			12/16/11 16:46	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			12/16/11 16:46	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			12/16/11 16:46	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			12/16/11 16:46	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			12/16/11 16:46	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			12/16/11 16:46	1
Chloroethane	2.5	U J3	5.0	2.5	ug/L			12/16/11 16:46	1
Chloroform	0.90	U	1.0	0.90	ug/L			12/16/11 16:46	1
Chloromethane	1.0	U	4.0	1.0	ug/L			12/16/11 16:46	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			12/16/11 16:46	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			12/16/11 16:46	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			12/16/11 16:46	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			12/16/11 16:46	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			12/16/11 16:46	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			12/16/11 16:46	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			12/16/11 16:46	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			12/16/11 16:46	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			12/16/11 16:46	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			12/16/11 16:46	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			12/16/11 16:46	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			12/16/11 16:46	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			12/16/11 16:46	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			12/16/11 16:46	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			12/16/11 16:46	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			12/16/11 16:46	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			12/16/11 16:46	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			12/16/11 16:46	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/16/11 16:46	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			12/16/11 16:46	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/16/11 16:46	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/16/11 16:46	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			12/16/11 16:46	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			12/16/11 16:46	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			12/16/11 16:46	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			12/16/11 16:46	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			12/16/11 16:46	1
Naphthalene	2.5	U	5.0	2.5	ug/L			12/16/11 16:46	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			12/16/11 16:46	1
Styrene	0.98	U	2.0	0.98	ug/L			12/16/11 16:46	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			12/16/11 16:46	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			12/16/11 16:46	1
Toluene	1.0	U	1.0	1.0	ug/L			12/16/11 16:46	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			12/16/11 16:46	1
1,2,4-Trichlorobenzene	0.58	U J3	1.0	0.58	ug/L			12/16/11 16:46	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			12/16/11 16:46	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			12/16/11 16:46	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			12/16/11 16:46	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			12/16/11 16:46	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			12/16/11 16:46	1

Client Sample ID: MW-32

Lab Sample ID: 660-45174-7

Date Collected: 12/12/11 16:51
Date Received: 12/13/11 13:00

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			12/16/11 16:46	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			12/16/11 16:46	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/16/11 16:46	1
o-Xylene	0.50	U	1.0	0.50	ug/L			12/16/11 16:46	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			12/16/11 16:46	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			12/16/11 16:46	1
Carbon disulfide	1.0	U J3	2.0	1.0	ug/L			12/16/11 16:46	1
2-Hexanone	4.4	U	10	4.4	ug/L			12/16/11 16:46	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			12/16/11 16:46	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			12/16/11 16:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*70 - 130*		*12/16/11 16:46*	*1*
4-Bromofluorobenzene	*112*		*70 - 130*		*12/16/11 16:46*	*1*
Dibromofluoromethane	*110*		*70 - 130*		*12/16/11 16:46*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			12/14/11 10:33	1

Client Sample ID: MW-68

Lab Sample ID: 660-45174-8

Date Collected: 12/12/11 13:24
Date Received: 12/13/11 13:00

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			12/16/11 02:08	1
Benzene	0.50	U	1.0	0.50	ug/L			12/16/11 02:08	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			12/16/11 02:08	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			12/16/11 02:08	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			12/16/11 02:08	1
Bromoform	0.58	U	1.0	0.58	ug/L			12/16/11 02:08	1
Bromomethane	2.5	U	5.0	2.5	ug/L			12/16/11 02:08	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			12/16/11 02:08	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			12/16/11 02:08	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			12/16/11 02:08	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			12/16/11 02:08	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			12/16/11 02:08	1
Chloroethane	2.5	U	5.0	2.5	ug/L			12/16/11 02:08	1
Chloroform	0.90	U	1.0	0.90	ug/L			12/16/11 02:08	1
Chloromethane	1.0	U	4.0	1.0	ug/L			12/16/11 02:08	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			12/16/11 02:08	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			12/16/11 02:08	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			12/16/11 02:08	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			12/16/11 02:08	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			12/16/11 02:08	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			12/16/11 02:08	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			12/16/11 02:08	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			12/16/11 02:08	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			12/16/11 02:08	1

Client Sample ID: MW-68
Date Collected: 12/12/11 13:24
Date Received: 12/13/11 13:00

Lab Sample ID: 660-45174-8
Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			12/16/11 02:08	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			12/16/11 02:08	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			12/16/11 02:08	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			12/16/11 02:08	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			12/16/11 02:08	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			12/16/11 02:08	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			12/16/11 02:08	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			12/16/11 02:08	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			12/16/11 02:08	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/16/11 02:08	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			12/16/11 02:08	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/16/11 02:08	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/16/11 02:08	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			12/16/11 02:08	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			12/16/11 02:08	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			12/16/11 02:08	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			12/16/11 02:08	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			12/16/11 02:08	1
Naphthalene	2.5	U	5.0	2.5	ug/L			12/16/11 02:08	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			12/16/11 02:08	1
Styrene	0.98	U	2.0	0.98	ug/L			12/16/11 02:08	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			12/16/11 02:08	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			12/16/11 02:08	1
Toluene	1.0	U	1.0	1.0	ug/L			12/16/11 02:08	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			12/16/11 02:08	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			12/16/11 02:08	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			12/16/11 02:08	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			12/16/11 02:08	1
Trichloroethene	**1.1**		1.0	0.50	ug/L			12/16/11 02:08	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			12/16/11 02:08	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			12/16/11 02:08	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			12/16/11 02:08	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			12/16/11 02:08	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/16/11 02:08	1
o-Xylene	0.50	U	1.0	0.50	ug/L			12/16/11 02:08	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			12/16/11 02:08	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			12/16/11 02:08	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			12/16/11 02:08	1
2-Hexanone	4.4	U	10	4.4	ug/L			12/16/11 02:08	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			12/16/11 02:08	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			12/16/11 02:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*70 - 130*		*12/16/11 02:08*	*1*
4-Bromofluorobenzene	*102*		*70 - 130*		*12/16/11 02:08*	*1*
Dibromofluoromethane	*108*		*70 - 130*		*12/16/11 02:08*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**5.3**		2.0	1.0	ug/L			12/14/11 15:46	1

Client: ARCADIS U.S. Inc
Project/Site: Tallevast SemiAnnual

TestAmerica Job ID: 660-45174-1

Client Sample ID: MW-239
Date Collected: 12/12/11 14:17
Date Received: 12/13/11 13:00

Lab Sample ID: 660-45174-9
Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			12/16/11 02:25	1
Benzene	0.50	U	1.0	0.50	ug/L			12/16/11 02:25	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			12/16/11 02:25	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			12/16/11 02:25	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			12/16/11 02:25	1
Bromoform	0.58	U	1.0	0.58	ug/L			12/16/11 02:25	1
Bromomethane	2.5	U	5.0	2.5	ug/L			12/16/11 02:25	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			12/16/11 02:25	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			12/16/11 02:25	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			12/16/11 02:25	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			12/16/11 02:25	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			12/16/11 02:25	1
Chloroethane	2.5	U	5.0	2.5	ug/L			12/16/11 02:25	1
Chloroform	0.90	U	1.0	0.90	ug/L			12/16/11 02:25	1
Chloromethane	1.0	U	4.0	1.0	ug/L			12/16/11 02:25	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			12/16/11 02:25	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			12/16/11 02:25	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			12/16/11 02:25	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			12/16/11 02:25	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			12/16/11 02:25	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			12/16/11 02:25	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			12/16/11 02:25	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			12/16/11 02:25	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			12/16/11 02:25	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			12/16/11 02:25	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			12/16/11 02:25	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			12/16/11 02:25	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			12/16/11 02:25	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			12/16/11 02:25	1
cis-1,2-Dichloroethene	**3.0**		1.0	0.65	ug/L			12/16/11 02:25	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			12/16/11 02:25	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			12/16/11 02:25	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			12/16/11 02:25	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/16/11 02:25	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			12/16/11 02:25	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/16/11 02:25	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/16/11 02:25	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			12/16/11 02:25	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			12/16/11 02:25	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			12/16/11 02:25	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			12/16/11 02:25	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			12/16/11 02:25	1
Naphthalene	2.5	U	5.0	2.5	ug/L			12/16/11 02:25	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			12/16/11 02:25	1
Styrene	0.98	U	2.0	0.98	ug/L			12/16/11 02:25	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			12/16/11 02:25	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			12/16/11 02:25	1
Toluene	1.0	U	1.0	1.0	ug/L			12/16/11 02:25	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			12/16/11 02:25	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			12/16/11 02:25	1

Client Sample ID: MW-239

Lab Sample ID: 660-45174-9

Date Collected: 12/12/11 14:17
Date Received: 12/13/11 13:00

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			12/16/11 02:25	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			12/16/11 02:25	1
Trichloroethene	**5.0**		1.0	0.50	ug/L			12/16/11 02:25	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			12/16/11 02:25	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			12/16/11 02:25	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			12/16/11 02:25	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			12/16/11 02:25	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/16/11 02:25	1
o-Xylene	0.50	U	1.0	0.50	ug/L			12/16/11 02:25	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			12/16/11 02:25	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			12/16/11 02:25	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			12/16/11 02:25	1
2-Hexanone	4.4	U	10	4.4	ug/L			12/16/11 02:25	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			12/16/11 02:25	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			12/16/11 02:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*107*		*70 - 130*		*12/16/11 02:25*	*1*
4-Bromofluorobenzene	*82*		*70 - 130*		*12/16/11 02:25*	*1*
Dibromofluoromethane	*95*		*70 - 130*		*12/16/11 02:25*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**11**		2.0	1.0	ug/L			12/14/11 16:11	1

Client Sample ID: FB-1-12122011

Lab Sample ID: 660-45174-10

Date Collected: 12/12/11 14:45
Date Received: 12/13/11 13:00

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			12/16/11 00:08	1
Benzene	0.50	U	1.0	0.50	ug/L			12/16/11 00:08	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			12/16/11 00:08	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			12/16/11 00:08	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			12/16/11 00:08	1
Bromoform	0.58	U	1.0	0.58	ug/L			12/16/11 00:08	1
Bromomethane	2.5	U	5.0	2.5	ug/L			12/16/11 00:08	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			12/16/11 00:08	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			12/16/11 00:08	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			12/16/11 00:08	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			12/16/11 00:08	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			12/16/11 00:08	1
Chloroethane	2.5	U	5.0	2.5	ug/L			12/16/11 00:08	1
Chloroform	0.90	U	1.0	0.90	ug/L			12/16/11 00:08	1
Chloromethane	1.0	U	4.0	1.0	ug/L			12/16/11 00:08	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			12/16/11 00:08	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			12/16/11 00:08	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			12/16/11 00:08	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			12/16/11 00:08	1

Client Sample ID: FB-1-12122011
Date Collected: 12/12/11 14:45
Date Received: 12/13/11 13:00

Lab Sample ID: 660-45174-10
Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			12/16/11 00:08	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			12/16/11 00:08	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			12/16/11 00:08	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			12/16/11 00:08	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			12/16/11 00:08	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			12/16/11 00:08	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			12/16/11 00:08	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			12/16/11 00:08	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			12/16/11 00:08	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			12/16/11 00:08	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			12/16/11 00:08	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			12/16/11 00:08	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			12/16/11 00:08	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			12/16/11 00:08	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/16/11 00:08	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			12/16/11 00:08	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/16/11 00:08	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/16/11 00:08	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			12/16/11 00:08	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			12/16/11 00:08	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			12/16/11 00:08	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			12/16/11 00:08	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			12/16/11 00:08	1
Naphthalene	2.5	U	5.0	2.5	ug/L			12/16/11 00:08	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			12/16/11 00:08	1
Styrene	0.98	U	2.0	0.98	ug/L			12/16/11 00:08	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			12/16/11 00:08	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			12/16/11 00:08	1
Toluene	1.0	U	1.0	1.0	ug/L			12/16/11 00:08	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			12/16/11 00:08	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			12/16/11 00:08	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			12/16/11 00:08	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			12/16/11 00:08	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			12/16/11 00:08	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			12/16/11 00:08	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			12/16/11 00:08	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			12/16/11 00:08	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			12/16/11 00:08	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/16/11 00:08	1
o-Xylene	0.50	U	1.0	0.50	ug/L			12/16/11 00:08	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			12/16/11 00:08	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			12/16/11 00:08	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			12/16/11 00:08	1
2-Hexanone	4.4	U	10	4.4	ug/L			12/16/11 00:08	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			12/16/11 00:08	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			12/16/11 00:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*70 - 130*		*12/16/11 00:08*	*1*
4-Bromofluorobenzene	*98*		*70 - 130*		*12/16/11 00:08*	*1*

Client Sample ID: FB-1-12122011

Lab Sample ID: 660-45174-10

Date Collected: 12/12/11 14:45
Matrix: Water
Date Received: 12/13/11 13:00

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*98*		*70 - 130*		*12/16/11 00:08*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			12/14/11 09:45	1

Client Sample ID: MW-33

Lab Sample ID: 660-45174-11

Date Collected: 12/12/11 15:14
Matrix: Water
Date Received: 12/13/11 13:00

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			12/16/11 02:59	1
Benzene	0.50	U	1.0	0.50	ug/L			12/16/11 02:59	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			12/16/11 02:59	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			12/16/11 02:59	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			12/16/11 02:59	1
Bromoform	0.58	U	1.0	0.58	ug/L			12/16/11 02:59	1
Bromomethane	2.5	U	5.0	2.5	ug/L			12/16/11 02:59	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			12/16/11 02:59	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			12/16/11 02:59	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			12/16/11 02:59	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			12/16/11 02:59	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			12/16/11 02:59	1
Chloroethane	2.5	U	5.0	2.5	ug/L			12/16/11 02:59	1
Chloroform	0.90	U	1.0	0.90	ug/L			12/16/11 02:59	1
Chloromethane	1.0	U	4.0	1.0	ug/L			12/16/11 02:59	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			12/16/11 02:59	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			12/16/11 02:59	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			12/16/11 02:59	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			12/16/11 02:59	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			12/16/11 02:59	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			12/16/11 02:59	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			12/16/11 02:59	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			12/16/11 02:59	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			12/16/11 02:59	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			12/16/11 02:59	1
1,1-Dichloroethane	**19**		1.0	0.52	ug/L			12/16/11 02:59	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			12/16/11 02:59	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			12/16/11 02:59	1
1,1-Dichloroethene	**43**		1.0	0.45	ug/L			12/16/11 02:59	1
cis-1,2-Dichloroethene	**48**		1.0	0.65	ug/L			12/16/11 02:59	1
trans-1,2-Dichloroethene	**1.8**		1.0	0.44	ug/L			12/16/11 02:59	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			12/16/11 02:59	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			12/16/11 02:59	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/16/11 02:59	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			12/16/11 02:59	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/16/11 02:59	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/16/11 02:59	1

Client Sample ID: MW-33
Date Collected: 12/12/11 15:14
Date Received: 12/13/11 13:00

Lab Sample ID: 660-45174-11
Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	0.44	U	1.0	0.44	ug/L			12/16/11 02:59	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			12/16/11 02:59	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			12/16/11 02:59	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			12/16/11 02:59	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			12/16/11 02:59	1
Naphthalene	2.5	U	5.0	2.5	ug/L			12/16/11 02:59	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			12/16/11 02:59	1
Styrene	0.98	U	2.0	0.98	ug/L			12/16/11 02:59	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			12/16/11 02:59	1
Tetrachloroethene	**51**		1.0	0.50	ug/L			12/16/11 02:59	1
Toluene	1.0	U	1.0	1.0	ug/L			12/16/11 02:59	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			12/16/11 02:59	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			12/16/11 02:59	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			12/16/11 02:59	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			12/16/11 02:59	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			12/16/11 02:59	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			12/16/11 02:59	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			12/16/11 02:59	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			12/16/11 02:59	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/16/11 02:59	1
o-Xylene	0.50	U	1.0	0.50	ug/L			12/16/11 02:59	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			12/16/11 02:59	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			12/16/11 02:59	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			12/16/11 02:59	1
2-Hexanone	4.4	U	10	4.4	ug/L			12/16/11 02:59	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			12/16/11 02:59	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			12/16/11 02:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*106*		*70 - 130*		*12/16/11 02:59*	*1*
4-Bromofluorobenzene	*110*		*70 - 130*		*12/16/11 02:59*	*1*
Dibromofluoromethane	*127*		*70 - 130*		*12/16/11 02:59*	*1*

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	**260**		5.0	2.5	ug/L			12/16/11 02:42	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*114*		*70 - 130*		*12/16/11 02:42*	*5*
4-Bromofluorobenzene	*118*		*70 - 130*		*12/16/11 02:42*	*5*
Dibromofluoromethane	*105*		*70 - 130*		*12/16/11 02:42*	*5*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**44**		2.0	1.0	ug/L			12/15/11 10:08	1

Client: ARCADIS U.S. Inc
Project/Site: Tallevast SemiAnnual

TestAmerica Job ID: 660-45174-1

Client Sample ID: MW-134
Date Collected: 12/12/11 14:12
Date Received: 12/13/11 13:00

Lab Sample ID: 660-45174-12
Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U J3	20	9.9	ug/L			12/16/11 23:01	1
Benzene	0.50	U	1.0	0.50	ug/L			12/16/11 23:01	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			12/16/11 23:01	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			12/16/11 23:01	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			12/16/11 23:01	1
Bromoform	0.58	U	1.0	0.58	ug/L			12/16/11 23:01	1
Bromomethane	2.5	U J3	5.0	2.5	ug/L			12/16/11 23:01	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			12/16/11 23:01	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			12/16/11 23:01	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			12/16/11 23:01	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			12/16/11 23:01	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			12/16/11 23:01	1
Chloroethane	2.5	U J3	5.0	2.5	ug/L			12/16/11 23:01	1
Chloroform	0.90	U	1.0	0.90	ug/L			12/16/11 23:01	1
Chloromethane	1.0	U	4.0	1.0	ug/L			12/16/11 23:01	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			12/16/11 23:01	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			12/16/11 23:01	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			12/16/11 23:01	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			12/16/11 23:01	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			12/16/11 23:01	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			12/16/11 23:01	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			12/16/11 23:01	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			12/16/11 23:01	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			12/16/11 23:01	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			12/16/11 23:01	1
1,1-Dichloroethane	**16**		1.0	0.52	ug/L			12/16/11 23:01	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			12/16/11 23:01	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			12/16/11 23:01	1
1,1-Dichloroethene	**85**		1.0	0.45	ug/L			12/16/11 23:01	1
trans-1,2-Dichloroethene	**8.0**		1.0	0.44	ug/L			12/16/11 23:01	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			12/16/11 23:01	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			12/16/11 23:01	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/16/11 23:01	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			12/16/11 23:01	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/16/11 23:01	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/16/11 23:01	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			12/16/11 23:01	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			12/16/11 23:01	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			12/16/11 23:01	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			12/16/11 23:01	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			12/16/11 23:01	1
Naphthalene	2.5	U	5.0	2.5	ug/L			12/16/11 23:01	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			12/16/11 23:01	1
Styrene	0.98	U	2.0	0.98	ug/L			12/16/11 23:01	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			12/16/11 23:01	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			12/16/11 23:01	1
Toluene	1.0	U	1.0	1.0	ug/L			12/16/11 23:01	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			12/16/11 23:01	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			12/16/11 23:01	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			12/16/11 23:01	1

Client Sample ID: MW-134

Lab Sample ID: 660-45174-12

Date Collected: 12/12/11 14:12
Date Received: 12/13/11 13:00

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			12/16/11 23:01	1
Trichloroethene	**7.7**		1.0	0.50	ug/L			12/16/11 23:01	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			12/16/11 23:01	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			12/16/11 23:01	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			12/16/11 23:01	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			12/16/11 23:01	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/16/11 23:01	1
o-Xylene	0.50	U	1.0	0.50	ug/L			12/16/11 23:01	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			12/16/11 23:01	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			12/16/11 23:01	1
Carbon disulfide	1.0	U J3	2.0	1.0	ug/L			12/16/11 23:01	1
2-Hexanone	4.4	U	10	4.4	ug/L			12/16/11 23:01	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			12/16/11 23:01	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			12/16/11 23:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*113*		*70 - 130*		*12/16/11 23:01*	*1*
4-Bromofluorobenzene	*90*		*70 - 130*		*12/16/11 23:01*	*1*
Dibromofluoromethane	*103*		*70 - 130*		*12/16/11 23:01*	*1*

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	**830**		100	65	ug/L			12/16/11 18:11	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*70 - 130*		*12/16/11 18:11*	*100*
4-Bromofluorobenzene	*102*		*70 - 130*		*12/16/11 18:11*	*100*
Dibromofluoromethane	*105*		*70 - 130*		*12/16/11 18:11*	*100*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**100**		20	10	ug/L			12/14/11 17:39	10

Client Sample ID: MW-127

Lab Sample ID: 660-45174-13

Date Collected: 12/09/11 14:58
Date Received: 12/13/11 13:00

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	99	U J3	200	99	ug/L			12/16/11 22:44	10
Benzene	5.0	U	10	5.0	ug/L			12/16/11 22:44	10
Bromobenzene	5.8	U	10	5.8	ug/L			12/16/11 22:44	10
Chlorobromomethane	5.8	U	10	5.8	ug/L			12/16/11 22:44	10
Dichlorobromomethane	3.5	U	10	3.5	ug/L			12/16/11 22:44	10
Bromoform	5.8	U	10	5.8	ug/L			12/16/11 22:44	10
Bromomethane	25	U J3	50	25	ug/L			12/16/11 22:44	10
n-Butylbenzene	6.7	U	10	6.7	ug/L			12/16/11 22:44	10
sec-Butylbenzene	6.3	U	10	6.3	ug/L			12/16/11 22:44	10
tert-Butylbenzene	8.4	U	10	8.4	ug/L			12/16/11 22:44	10
Carbon tetrachloride	4.2	U	10	4.2	ug/L			12/16/11 22:44	10

Client Sample ID: MW-127
Date Collected: 12/09/11 14:58
Date Received: 12/13/11 13:00

Lab Sample ID: 660-45174-13
Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	6.3	U	10	6.3	ug/L			12/16/11 22:44	10
Chloroethane	25	U J3	50	25	ug/L			12/16/11 22:44	10
Chloroform	9.0	U	10	9.0	ug/L			12/16/11 22:44	10
Chloromethane	10	U	40	10	ug/L			12/16/11 22:44	10
2-Chlorotoluene	6.5	U	10	6.5	ug/L			12/16/11 22:44	10
4-Chlorotoluene	5.2	U	10	5.2	ug/L			12/16/11 22:44	10
Chlorodibromomethane	3.4	U	10	3.4	ug/L			12/16/11 22:44	10
1,2-Dibromo-3-Chloropropane	25	U	50	25	ug/L			12/16/11 22:44	10
Ethylene Dibromide	5.0	U	10	5.0	ug/L			12/16/11 22:44	10
Dibromomethane	4.1	U	10	4.1	ug/L			12/16/11 22:44	10
1,2-Dichlorobenzene	4.4	U	10	4.4	ug/L			12/16/11 22:44	10
1,3-Dichlorobenzene	6.4	U	10	6.4	ug/L			12/16/11 22:44	10
1,4-Dichlorobenzene	5.2	U	10	5.2	ug/L			12/16/11 22:44	10
Dichlorodifluoromethane	25	U	50	25	ug/L			12/16/11 22:44	10
1,1-Dichloroethane	**46**		10	5.2	ug/L			12/16/11 22:44	10
1,2-Dichloroethane	5.7	U	10	5.7	ug/L			12/16/11 22:44	10
1,1,1,2-Tetrachloroethane	6.3	U	10	6.3	ug/L			12/16/11 22:44	10
1,1-Dichloroethene	**220**		10	4.5	ug/L			12/16/11 22:44	10
cis-1,2-Dichloroethene	**670**		10	6.5	ug/L			12/16/11 22:44	10
trans-1,2-Dichloroethene	**31**		10	4.4	ug/L			12/16/11 22:44	10
1,2-Dichloropropane	5.2	U	10	5.2	ug/L			12/16/11 22:44	10
1,3-Dichloropropane	3.9	U	10	3.9	ug/L			12/16/11 22:44	10
2,2-Dichloropropane	3.6	U	10	3.6	ug/L			12/16/11 22:44	10
1,1-Dichloropropene	3.1	U	10	3.1	ug/L			12/16/11 22:44	10
cis-1,3-Dichloropropene	1.4	U	10	1.4	ug/L			12/16/11 22:44	10
trans-1,3-Dichloropropene	1.4	U	10	1.4	ug/L			12/16/11 22:44	10
Ethylbenzene	4.4	U	10	4.4	ug/L			12/16/11 22:44	10
Hexachlorobutadiene	4.0	U	10	4.0	ug/L			12/16/11 22:44	10
Isopropylbenzene	1.9	U	10	1.9	ug/L			12/16/11 22:44	10
4-Isopropyltoluene	6.9	U	10	6.9	ug/L			12/16/11 22:44	10
Methylene Chloride	40	U	50	40	ug/L			12/16/11 22:44	10
Naphthalene	25	U	50	25	ug/L			12/16/11 22:44	10
N-Propylbenzene	5.9	U	10	5.9	ug/L			12/16/11 22:44	10
Styrene	9.8	U	20	9.8	ug/L			12/16/11 22:44	10
1,1,2,2-Tetrachloroethane	1.5	U	10	1.5	ug/L			12/16/11 22:44	10
Tetrachloroethene	**51**		10	5.0	ug/L			12/16/11 22:44	10
Toluene	10	U	10	10	ug/L			12/16/11 22:44	10
1,2,3-Trichlorobenzene	7.7	U	10	7.7	ug/L			12/16/11 22:44	10
1,2,4-Trichlorobenzene	5.8	U	10	5.8	ug/L			12/16/11 22:44	10
1,1,1-Trichloroethane	4.6	U	10	4.6	ug/L			12/16/11 22:44	10
1,1,2-Trichloroethane	4.7	U	10	4.7	ug/L			12/16/11 22:44	10
Trichlorofluoromethane	25	U	50	25	ug/L			12/16/11 22:44	10
1,2,3-Trichloropropane	1.8	U	10	1.8	ug/L			12/16/11 22:44	10
1,2,4-Trimethylbenzene	8.6	U	10	8.6	ug/L			12/16/11 22:44	10
1,3,5-Trimethylbenzene	5.4	U	10	5.4	ug/L			12/16/11 22:44	10
Vinyl chloride	**120**		10	5.0	ug/L			12/16/11 22:44	10
o-Xylene	5.0	U	10	5.0	ug/L			12/16/11 22:44	10
2-Butanone (MEK)	84	U	100	84	ug/L			12/16/11 22:44	10
4-Methyl-2-pentanone (MIBK)	38	U	100	38	ug/L			12/16/11 22:44	10
Carbon disulfide	10	U J3	20	10	ug/L			12/16/11 22:44	10

Client Sample ID: MW-127

Lab Sample ID: 660-45174-13

Date Collected: 12/09/11 14:58

Matrix: Water

Date Received: 12/13/11 13:00

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	44	U	100	44	ug/L			12/16/11 22:44	10
Methyl tert-butyl ether	4.4	U	10	4.4	ug/L			12/16/11 22:44	10
m-Xylene & p-Xylene	6.0	U	20	6.0	ug/L			12/16/11 22:44	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*83*		*70 - 130*		*12/16/11 22:44*	*10*
4-Bromofluorobenzene	*97*		*70 - 130*		*12/16/11 22:44*	*10*
Dibromofluoromethane	*91*		*70 - 130*		*12/16/11 22:44*	*10*

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	**2100**		100	50	ug/L			12/16/11 18:29	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*70 - 130*		*12/16/11 18:29*	*100*
4-Bromofluorobenzene	*94*		*70 - 130*		*12/16/11 18:29*	*100*
Dibromofluoromethane	*105*		*70 - 130*		*12/16/11 18:29*	*100*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**360**		40	20	ug/L			12/14/11 17:17	20

Client Sample ID: MW-128

Lab Sample ID: 660-45174-14

Date Collected: 12/09/11 14:04

Matrix: Water

Date Received: 12/13/11 13:00

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U J3	20	9.9	ug/L			12/16/11 18:45	1
Benzene	0.50	U	1.0	0.50	ug/L			12/16/11 18:45	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			12/16/11 18:45	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			12/16/11 18:45	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			12/16/11 18:45	1
Bromoform	0.58	U	1.0	0.58	ug/L			12/16/11 18:45	1
Bromomethane	2.5	U J3	5.0	2.5	ug/L			12/16/11 18:45	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			12/16/11 18:45	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			12/16/11 18:45	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			12/16/11 18:45	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			12/16/11 18:45	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			12/16/11 18:45	1
Chloroethane	2.5	U J3	5.0	2.5	ug/L			12/16/11 18:45	1
Chloroform	0.90	U	1.0	0.90	ug/L			12/16/11 18:45	1
Chloromethane	1.0	U	4.0	1.0	ug/L			12/16/11 18:45	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			12/16/11 18:45	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			12/16/11 18:45	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			12/16/11 18:45	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			12/16/11 18:45	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			12/16/11 18:45	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			12/16/11 18:45	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			12/16/11 18:45	1

Client Sample ID: MW-128
Date Collected: 12/09/11 14:04
Date Received: 12/13/11 13:00

Lab Sample ID: 660-45174-14
Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			12/16/11 18:45	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			12/16/11 18:45	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			12/16/11 18:45	1
1,1-Dichloroethane	**1.2**		1.0	0.52	ug/L			12/16/11 18:45	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			12/16/11 18:45	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			12/16/11 18:45	1
1,1-Dichloroethene	**2.4**		1.0	0.45	ug/L			12/16/11 18:45	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			12/16/11 18:45	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			12/16/11 18:45	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			12/16/11 18:45	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			12/16/11 18:45	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/16/11 18:45	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			12/16/11 18:45	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/16/11 18:45	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/16/11 18:45	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			12/16/11 18:45	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			12/16/11 18:45	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			12/16/11 18:45	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			12/16/11 18:45	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			12/16/11 18:45	1
Naphthalene	2.5	U	5.0	2.5	ug/L			12/16/11 18:45	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			12/16/11 18:45	1
Styrene	0.98	U	2.0	0.98	ug/L			12/16/11 18:45	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			12/16/11 18:45	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			12/16/11 18:45	1
Toluene	1.0	U	1.0	1.0	ug/L			12/16/11 18:45	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			12/16/11 18:45	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			12/16/11 18:45	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			12/16/11 18:45	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			12/16/11 18:45	1
Trichloroethene	**4.4**		1.0	0.50	ug/L			12/16/11 18:45	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			12/16/11 18:45	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			12/16/11 18:45	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			12/16/11 18:45	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			12/16/11 18:45	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/16/11 18:45	1
o-Xylene	0.50	U	1.0	0.50	ug/L			12/16/11 18:45	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			12/16/11 18:45	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			12/16/11 18:45	1
Carbon disulfide	1.0	U J3	2.0	1.0	ug/L			12/16/11 18:45	1
2-Hexanone	4.4	U	10	4.4	ug/L			12/16/11 18:45	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			12/16/11 18:45	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			12/16/11 18:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*70 - 130*		*12/16/11 18:45*	*1*
4-Bromofluorobenzene	*102*		*70 - 130*		*12/16/11 18:45*	*1*
Dibromofluoromethane	*105*		*70 - 130*		*12/16/11 18:45*	*1*

Client Sample ID: MW-128

Lab Sample ID: 660-45174-14

Date Collected: 12/09/11 14:04

Matrix: Water

Date Received: 12/13/11 13:00

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			12/14/11 16:32	1

Client Sample ID: IWI-2

Lab Sample ID: 660-45174-15

Date Collected: 12/12/11 12:18

Matrix: Water

Date Received: 12/13/11 13:00

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U J3	20	9.9	ug/L			12/16/11 19:02	1
Benzene	0.50	U	1.0	0.50	ug/L			12/16/11 19:02	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			12/16/11 19:02	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			12/16/11 19:02	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			12/16/11 19:02	1
Bromoform	0.58	U	1.0	0.58	ug/L			12/16/11 19:02	1
Bromomethane	2.5	U J3	5.0	2.5	ug/L			12/16/11 19:02	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			12/16/11 19:02	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			12/16/11 19:02	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			12/16/11 19:02	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			12/16/11 19:02	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			12/16/11 19:02	1
Chloroethane	2.5	U J3	5.0	2.5	ug/L			12/16/11 19:02	1
Chloroform	0.90	U	1.0	0.90	ug/L			12/16/11 19:02	1
Chloromethane	1.0	U	4.0	1.0	ug/L			12/16/11 19:02	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			12/16/11 19:02	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			12/16/11 19:02	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			12/16/11 19:02	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			12/16/11 19:02	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			12/16/11 19:02	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			12/16/11 19:02	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			12/16/11 19:02	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			12/16/11 19:02	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			12/16/11 19:02	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			12/16/11 19:02	1
1,1-Dichloroethane	**3.5**		1.0	0.52	ug/L			12/16/11 19:02	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			12/16/11 19:02	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			12/16/11 19:02	1
1,1-Dichloroethene	**6.4**		1.0	0.45	ug/L			12/16/11 19:02	1
cis-1,2-Dichloroethene	**22**		1.0	0.65	ug/L			12/16/11 19:02	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			12/16/11 19:02	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			12/16/11 19:02	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			12/16/11 19:02	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/16/11 19:02	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			12/16/11 19:02	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/16/11 19:02	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/16/11 19:02	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			12/16/11 19:02	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			12/16/11 19:02	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			12/16/11 19:02	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			12/16/11 19:02	1

Client Sample ID: IWI-2

Lab Sample ID: 660-45174-15

Date Collected: 12/12/11 12:18
Date Received: 12/13/11 13:00

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	4.0	U	5.0	4.0	ug/L			12/16/11 19:02	1
Naphthalene	2.5	U	5.0	2.5	ug/L			12/16/11 19:02	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			12/16/11 19:02	1
Styrene	0.98	U	2.0	0.98	ug/L			12/16/11 19:02	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			12/16/11 19:02	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			12/16/11 19:02	1
Toluene	1.0	U	1.0	1.0	ug/L			12/16/11 19:02	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			12/16/11 19:02	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			12/16/11 19:02	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			12/16/11 19:02	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			12/16/11 19:02	1
Trichloroethene	**11**		1.0	0.50	ug/L			12/16/11 19:02	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			12/16/11 19:02	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			12/16/11 19:02	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			12/16/11 19:02	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			12/16/11 19:02	1
Vinyl chloride	**13**		1.0	0.50	ug/L			12/16/11 19:02	1
o-Xylene	0.50	U	1.0	0.50	ug/L			12/16/11 19:02	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			12/16/11 19:02	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			12/16/11 19:02	1
Carbon disulfide	1.0	U J3	2.0	1.0	ug/L			12/16/11 19:02	1
2-Hexanone	4.4	U	10	4.4	ug/L			12/16/11 19:02	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			12/16/11 19:02	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			12/16/11 19:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*105*		*70 - 130*		*12/16/11 19:02*	*1*
4-Bromofluorobenzene	*110*		*70 - 130*		*12/16/11 19:02*	*1*
Dibromofluoromethane	*109*		*70 - 130*		*12/16/11 19:02*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**52**		2.0	1.0	ug/L			12/15/11 10:30	1

Client Sample ID: MW-57

Lab Sample ID: 660-45174-16

Date Collected: 12/09/11 09:45
Date Received: 12/13/11 13:00

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U J3	20	9.9	ug/L			12/16/11 19:19	1
Benzene	0.50	U	1.0	0.50	ug/L			12/16/11 19:19	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			12/16/11 19:19	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			12/16/11 19:19	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			12/16/11 19:19	1
Bromoform	0.58	U	1.0	0.58	ug/L			12/16/11 19:19	1
Bromomethane	2.5	U J3	5.0	2.5	ug/L			12/16/11 19:19	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			12/16/11 19:19	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			12/16/11 19:19	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			12/16/11 19:19	1

Client Sample ID: MW-57
Date Collected: 12/09/11 09:45
Date Received: 12/13/11 13:00

Lab Sample ID: 660-45174-16
Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			12/16/11 19:19	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			12/16/11 19:19	1
Chloroethane	2.5	U J3	5.0	2.5	ug/L			12/16/11 19:19	1
Chloroform	0.90	U	1.0	0.90	ug/L			12/16/11 19:19	1
Chloromethane	1.0	U	4.0	1.0	ug/L			12/16/11 19:19	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			12/16/11 19:19	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			12/16/11 19:19	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			12/16/11 19:19	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			12/16/11 19:19	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			12/16/11 19:19	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			12/16/11 19:19	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			12/16/11 19:19	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			12/16/11 19:19	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			12/16/11 19:19	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			12/16/11 19:19	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			12/16/11 19:19	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			12/16/11 19:19	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			12/16/11 19:19	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			12/16/11 19:19	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			12/16/11 19:19	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			12/16/11 19:19	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			12/16/11 19:19	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			12/16/11 19:19	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/16/11 19:19	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			12/16/11 19:19	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/16/11 19:19	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/16/11 19:19	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			12/16/11 19:19	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			12/16/11 19:19	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			12/16/11 19:19	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			12/16/11 19:19	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			12/16/11 19:19	1
Naphthalene	2.5	U	5.0	2.5	ug/L			12/16/11 19:19	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			12/16/11 19:19	1
Styrene	0.98	U	2.0	0.98	ug/L			12/16/11 19:19	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			12/16/11 19:19	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			12/16/11 19:19	1
Toluene	1.0	U	1.0	1.0	ug/L			12/16/11 19:19	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			12/16/11 19:19	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			12/16/11 19:19	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			12/16/11 19:19	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			12/16/11 19:19	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			12/16/11 19:19	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			12/16/11 19:19	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			12/16/11 19:19	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			12/16/11 19:19	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			12/16/11 19:19	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/16/11 19:19	1
o-Xylene	0.50	U	1.0	0.50	ug/L			12/16/11 19:19	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			12/16/11 19:19	1

Client Sample ID: MW-57

Lab Sample ID: 660-45174-16

Date Collected: 12/09/11 09:45

Matrix: Water

Date Received: 12/13/11 13:00

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			12/16/11 19:19	1
Carbon disulfide	1.0	U J3	2.0	1.0	ug/L			12/16/11 19:19	1
2-Hexanone	4.4	U	10	4.4	ug/L			12/16/11 19:19	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			12/16/11 19:19	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			12/16/11 19:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*70 - 130*		*12/16/11 19:19*	*1*
4-Bromofluorobenzene	*101*		*70 - 130*		*12/16/11 19:19*	*1*
Dibromofluoromethane	*114*		*70 - 130*		*12/16/11 19:19*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			12/15/11 10:52	1

Client Sample ID: MW-130

Lab Sample ID: 660-45174-17

Date Collected: 12/09/11 10:30

Matrix: Water

Date Received: 12/13/11 13:00

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U J3	20	9.9	ug/L			12/16/11 19:36	1
Benzene	0.50	U	1.0	0.50	ug/L			12/16/11 19:36	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			12/16/11 19:36	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			12/16/11 19:36	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			12/16/11 19:36	1
Bromoform	0.58	U	1.0	0.58	ug/L			12/16/11 19:36	1
Bromomethane	2.5	U J3	5.0	2.5	ug/L			12/16/11 19:36	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			12/16/11 19:36	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			12/16/11 19:36	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			12/16/11 19:36	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			12/16/11 19:36	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			12/16/11 19:36	1
Chloroethane	2.5	U J3	5.0	2.5	ug/L			12/16/11 19:36	1
Chloroform	0.90	U	1.0	0.90	ug/L			12/16/11 19:36	1
Chloromethane	1.0	U	4.0	1.0	ug/L			12/16/11 19:36	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			12/16/11 19:36	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			12/16/11 19:36	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			12/16/11 19:36	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			12/16/11 19:36	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			12/16/11 19:36	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			12/16/11 19:36	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			12/16/11 19:36	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			12/16/11 19:36	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			12/16/11 19:36	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			12/16/11 19:36	1
1,1-Dichloroethane	**11**		1.0	0.52	ug/L			12/16/11 19:36	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			12/16/11 19:36	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			12/16/11 19:36	1
1,1-Dichloroethene	**31**		1.0	0.45	ug/L			12/16/11 19:36	1

Client Sample ID: MW-130

Date Collected: 12/09/11 10:30
Date Received: 12/13/11 13:00

Lab Sample ID: 660-45174-17

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	**1.2**		1.0	0.65	ug/L			12/16/11 19:36	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			12/16/11 19:36	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			12/16/11 19:36	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			12/16/11 19:36	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/16/11 19:36	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			12/16/11 19:36	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/16/11 19:36	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/16/11 19:36	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			12/16/11 19:36	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			12/16/11 19:36	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			12/16/11 19:36	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			12/16/11 19:36	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			12/16/11 19:36	1
Naphthalene	2.5	U	5.0	2.5	ug/L			12/16/11 19:36	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			12/16/11 19:36	1
Styrene	0.98	U	2.0	0.98	ug/L			12/16/11 19:36	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			12/16/11 19:36	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			12/16/11 19:36	1
Toluene	1.0	U	1.0	1.0	ug/L			12/16/11 19:36	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			12/16/11 19:36	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			12/16/11 19:36	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			12/16/11 19:36	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			12/16/11 19:36	1
Trichloroethene	**3.9**		1.0	0.50	ug/L			12/16/11 19:36	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			12/16/11 19:36	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			12/16/11 19:36	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			12/16/11 19:36	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			12/16/11 19:36	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/16/11 19:36	1
o-Xylene	0.50	U	1.0	0.50	ug/L			12/16/11 19:36	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			12/16/11 19:36	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			12/16/11 19:36	1
Carbon disulfide	1.0	U J3	2.0	1.0	ug/L			12/16/11 19:36	1
2-Hexanone	4.4	U	10	4.4	ug/L			12/16/11 19:36	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			12/16/11 19:36	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			12/16/11 19:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*70 - 130*		*12/16/11 19:36*	*1*
4-Bromofluorobenzene	*99*		*70 - 130*		*12/16/11 19:36*	*1*
Dibromofluoromethane	*83*		*70 - 130*		*12/16/11 19:36*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**130**		4.0	2.0	ug/L			12/15/11 16:29	2

Client: ARCADIS U.S. Inc
Project/Site: Tallevast SemiAnnual

TestAmerica Job ID: 660-45174-1

Client Sample ID: MW-254
Date Collected: 12/09/11 11:32
Date Received: 12/13/11 13:00

Lab Sample ID: 660-45174-18
Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	20	U J3	40	20	ug/L			12/16/11 23:18	2
Benzene	1.0	U	2.0	1.0	ug/L			12/16/11 23:18	2
Bromobenzene	1.2	U	2.0	1.2	ug/L			12/16/11 23:18	2
Chlorobromomethane	1.2	U	2.0	1.2	ug/L			12/16/11 23:18	2
Dichlorobromomethane	0.70	U	2.0	0.70	ug/L			12/16/11 23:18	2
Bromoform	1.2	U	2.0	1.2	ug/L			12/16/11 23:18	2
Bromomethane	5.0	U J3	10	5.0	ug/L			12/16/11 23:18	2
n-Butylbenzene	1.3	U	2.0	1.3	ug/L			12/16/11 23:18	2
sec-Butylbenzene	1.3	U	2.0	1.3	ug/L			12/16/11 23:18	2
tert-Butylbenzene	1.7	U	2.0	1.7	ug/L			12/16/11 23:18	2
Carbon tetrachloride	0.84	U	2.0	0.84	ug/L			12/16/11 23:18	2
Chlorobenzene	1.3	U	2.0	1.3	ug/L			12/16/11 23:18	2
Chloroethane	5.0	U J3	10	5.0	ug/L			12/16/11 23:18	2
Chloroform	1.8	U	2.0	1.8	ug/L			12/16/11 23:18	2
Chloromethane	2.0	U	8.0	2.0	ug/L			12/16/11 23:18	2
2-Chlorotoluene	1.3	U	2.0	1.3	ug/L			12/16/11 23:18	2
4-Chlorotoluene	1.0	U	2.0	1.0	ug/L			12/16/11 23:18	2
Chlorodibromomethane	0.68	U	2.0	0.68	ug/L			12/16/11 23:18	2
1,2-Dibromo-3-Chloropropane	5.0	U	10	5.0	ug/L			12/16/11 23:18	2
Ethylene Dibromide	1.0	U	2.0	1.0	ug/L			12/16/11 23:18	2
Dibromomethane	0.82	U	2.0	0.82	ug/L			12/16/11 23:18	2
1,2-Dichlorobenzene	0.88	U	2.0	0.88	ug/L			12/16/11 23:18	2
1,3-Dichlorobenzene	1.3	U	2.0	1.3	ug/L			12/16/11 23:18	2
1,4-Dichlorobenzene	1.0	U	2.0	1.0	ug/L			12/16/11 23:18	2
Dichlorodifluoromethane	5.0	U	10	5.0	ug/L			12/16/11 23:18	2
1,1-Dichloroethane	1.0	U	2.0	1.0	ug/L			12/16/11 23:18	2
1,2-Dichloroethane	1.1	U	2.0	1.1	ug/L			12/16/11 23:18	2
1,1,1,2-Tetrachloroethane	1.3	U	2.0	1.3	ug/L			12/16/11 23:18	2
1,1-Dichloroethene	0.90	U	2.0	0.90	ug/L			12/16/11 23:18	2
cis-1,2-Dichloroethene	**6.4**		2.0	1.3	ug/L			12/16/11 23:18	2
trans-1,2-Dichloroethene	0.88	U	2.0	0.88	ug/L			12/16/11 23:18	2
1,2-Dichloropropane	1.0	U	2.0	1.0	ug/L			12/16/11 23:18	2
1,3-Dichloropropane	0.78	U	2.0	0.78	ug/L			12/16/11 23:18	2
2,2-Dichloropropane	0.72	U	2.0	0.72	ug/L			12/16/11 23:18	2
1,1-Dichloropropene	0.62	U	2.0	0.62	ug/L			12/16/11 23:18	2
cis-1,3-Dichloropropene	0.28	U	2.0	0.28	ug/L			12/16/11 23:18	2
trans-1,3-Dichloropropene	0.28	U	2.0	0.28	ug/L			12/16/11 23:18	2
Ethylbenzene	0.88	U	2.0	0.88	ug/L			12/16/11 23:18	2
Hexachlorobutadiene	0.80	U	2.0	0.80	ug/L			12/16/11 23:18	2
Isopropylbenzene	0.38	U	2.0	0.38	ug/L			12/16/11 23:18	2
4-Isopropyltoluene	1.4	U	2.0	1.4	ug/L			12/16/11 23:18	2
Methylene Chloride	8.0	U	10	8.0	ug/L			12/16/11 23:18	2
Naphthalene	5.0	U	10	5.0	ug/L			12/16/11 23:18	2
N-Propylbenzene	1.2	U	2.0	1.2	ug/L			12/16/11 23:18	2
Styrene	2.0	U	4.0	2.0	ug/L			12/16/11 23:18	2
1,1,2,2-Tetrachloroethane	0.30	U	2.0	0.30	ug/L			12/16/11 23:18	2
Tetrachloroethene	**290**		2.0	1.0	ug/L			12/16/11 23:18	2
Toluene	2.0	U	2.0	2.0	ug/L			12/16/11 23:18	2
1,2,3-Trichlorobenzene	1.5	U	2.0	1.5	ug/L			12/16/11 23:18	2
1,2,4-Trichlorobenzene	1.2	U	2.0	1.2	ug/L			12/16/11 23:18	2

Client Sample ID: MW-254

Lab Sample ID: 660-45174-18

Date Collected: 12/09/11 11:32

Matrix: Water

Date Received: 12/13/11 13:00

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.92	U	2.0	0.92	ug/L			12/16/11 23:18	2
1,1,2-Trichloroethane	0.94	U	2.0	0.94	ug/L			12/16/11 23:18	2
Trichloroethene	**9.3**		2.0	1.0	ug/L			12/16/11 23:18	2
Trichlorofluoromethane	5.0	U	10	5.0	ug/L			12/16/11 23:18	2
1,2,3-Trichloropropane	0.36	U	2.0	0.36	ug/L			12/16/11 23:18	2
1,2,4-Trimethylbenzene	1.7	U	2.0	1.7	ug/L			12/16/11 23:18	2
1,3,5-Trimethylbenzene	1.1	U	2.0	1.1	ug/L			12/16/11 23:18	2
Vinyl chloride	1.0	U	2.0	1.0	ug/L			12/16/11 23:18	2
o-Xylene	1.0	U	2.0	1.0	ug/L			12/16/11 23:18	2
2-Butanone (MEK)	17	U	20	17	ug/L			12/16/11 23:18	2
4-Methyl-2-pentanone (MIBK)	7.6	U	20	7.6	ug/L			12/16/11 23:18	2
Carbon disulfide	2.0	U J3	4.0	2.0	ug/L			12/16/11 23:18	2
2-Hexanone	8.8	U	20	8.8	ug/L			12/16/11 23:18	2
Methyl tert-butyl ether	0.88	U	2.0	0.88	ug/L			12/16/11 23:18	2
m-Xylene & p-Xylene	1.2	U	4.0	1.2	ug/L			12/16/11 23:18	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*106*		*70 - 130*		*12/16/11 23:18*	*2*
4-Bromofluorobenzene	*92*		*70 - 130*		*12/16/11 23:18*	*2*
Dibromofluoromethane	*96*		*70 - 130*		*12/16/11 23:18*	*2*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			12/15/11 13:10	1

Client Sample ID: TB-12132011

Lab Sample ID: 660-45174-19

Date Collected: 12/13/11 10:00

Matrix: Water

Date Received: 12/13/11 13:00

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U J3	20	9.9	ug/L			12/16/11 17:54	1
Benzene	0.50	U	1.0	0.50	ug/L			12/16/11 17:54	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			12/16/11 17:54	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			12/16/11 17:54	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			12/16/11 17:54	1
Bromoform	0.58	U	1.0	0.58	ug/L			12/16/11 17:54	1
Bromomethane	2.5	U J3	5.0	2.5	ug/L			12/16/11 17:54	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			12/16/11 17:54	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			12/16/11 17:54	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			12/16/11 17:54	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			12/16/11 17:54	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			12/16/11 17:54	1
Chloroethane	2.5	U J3	5.0	2.5	ug/L			12/16/11 17:54	1
Chloroform	0.90	U	1.0	0.90	ug/L			12/16/11 17:54	1
Chloromethane	1.0	U	4.0	1.0	ug/L			12/16/11 17:54	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			12/16/11 17:54	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			12/16/11 17:54	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			12/16/11 17:54	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			12/16/11 17:54	1

Client Sample ID: TB-12132011
Date Collected: 12/13/11 10:00
Date Received: 12/13/11 13:00

Lab Sample ID: 660-45174-19
Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			12/16/11 17:54	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			12/16/11 17:54	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			12/16/11 17:54	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			12/16/11 17:54	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			12/16/11 17:54	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			12/16/11 17:54	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			12/16/11 17:54	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			12/16/11 17:54	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			12/16/11 17:54	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			12/16/11 17:54	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			12/16/11 17:54	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			12/16/11 17:54	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			12/16/11 17:54	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			12/16/11 17:54	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/16/11 17:54	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			12/16/11 17:54	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/16/11 17:54	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/16/11 17:54	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			12/16/11 17:54	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			12/16/11 17:54	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			12/16/11 17:54	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			12/16/11 17:54	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			12/16/11 17:54	1
Naphthalene	2.5	U	5.0	2.5	ug/L			12/16/11 17:54	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			12/16/11 17:54	1
Styrene	0.98	U	2.0	0.98	ug/L			12/16/11 17:54	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			12/16/11 17:54	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			12/16/11 17:54	1
Toluene	1.0	U	1.0	1.0	ug/L			12/16/11 17:54	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			12/16/11 17:54	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			12/16/11 17:54	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			12/16/11 17:54	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			12/16/11 17:54	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			12/16/11 17:54	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			12/16/11 17:54	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			12/16/11 17:54	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			12/16/11 17:54	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			12/16/11 17:54	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/16/11 17:54	1
o-Xylene	0.50	U	1.0	0.50	ug/L			12/16/11 17:54	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			12/16/11 17:54	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			12/16/11 17:54	1
Carbon disulfide	1.0	U J3	2.0	1.0	ug/L			12/16/11 17:54	1
2-Hexanone	4.4	U	10	4.4	ug/L			12/16/11 17:54	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			12/16/11 17:54	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			12/16/11 17:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*120*		*70 - 130*		*12/16/11 17:54*	*1*
4-Bromofluorobenzene	*89*		*70 - 130*		*12/16/11 17:54*	*1*

Client Sample ID: TB-12132011

Lab Sample ID: 660-45174-19

Date Collected: 12/13/11 10:00
Date Received: 12/13/11 13:00

Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*102*		*70 - 130*		*12/16/11 17:54*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			12/15/11 09:19	1

Client Sample ID: MW-44

Lab Sample ID: 660-45174-20

Date Collected: 12/08/11 11:01
Date Received: 12/13/11 13:00

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U J3	20	9.9	ug/L			12/16/11 20:10	1
Benzene	0.50	U	1.0	0.50	ug/L			12/16/11 20:10	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			12/16/11 20:10	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			12/16/11 20:10	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			12/16/11 20:10	1
Bromoform	0.58	U	1.0	0.58	ug/L			12/16/11 20:10	1
Bromomethane	2.5	U J3	5.0	2.5	ug/L			12/16/11 20:10	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			12/16/11 20:10	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			12/16/11 20:10	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			12/16/11 20:10	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			12/16/11 20:10	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			12/16/11 20:10	1
Chloroethane	2.5	U J3	5.0	2.5	ug/L			12/16/11 20:10	1
Chloroform	0.90	U	1.0	0.90	ug/L			12/16/11 20:10	1
Chloromethane	1.0	U	4.0	1.0	ug/L			12/16/11 20:10	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			12/16/11 20:10	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			12/16/11 20:10	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			12/16/11 20:10	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			12/16/11 20:10	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			12/16/11 20:10	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			12/16/11 20:10	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			12/16/11 20:10	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			12/16/11 20:10	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			12/16/11 20:10	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			12/16/11 20:10	1
1,1-Dichloroethane	**36**		1.0	0.52	ug/L			12/16/11 20:10	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			12/16/11 20:10	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			12/16/11 20:10	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			12/16/11 20:10	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			12/16/11 20:10	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			12/16/11 20:10	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			12/16/11 20:10	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			12/16/11 20:10	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/16/11 20:10	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			12/16/11 20:10	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/16/11 20:10	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/16/11 20:10	1

Client Sample ID: MW-44

Lab Sample ID: 660-45174-20

Date Collected: 12/08/11 11:01
Date Received: 12/13/11 13:00

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	0.44	U	1.0	0.44	ug/L			12/16/11 20:10	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			12/16/11 20:10	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			12/16/11 20:10	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			12/16/11 20:10	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			12/16/11 20:10	1
Naphthalene	2.5	U	5.0	2.5	ug/L			12/16/11 20:10	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			12/16/11 20:10	1
Styrene	0.98	U	2.0	0.98	ug/L			12/16/11 20:10	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			12/16/11 20:10	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			12/16/11 20:10	1
Toluene	1.0	U	1.0	1.0	ug/L			12/16/11 20:10	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			12/16/11 20:10	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			12/16/11 20:10	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			12/16/11 20:10	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			12/16/11 20:10	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			12/16/11 20:10	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			12/16/11 20:10	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			12/16/11 20:10	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			12/16/11 20:10	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			12/16/11 20:10	1
Vinyl chloride	**17**		1.0	0.50	ug/L			12/16/11 20:10	1
o-Xylene	0.50	U	1.0	0.50	ug/L			12/16/11 20:10	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			12/16/11 20:10	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			12/16/11 20:10	1
Carbon disulfide	1.0	U J3	2.0	1.0	ug/L			12/16/11 20:10	1
2-Hexanone	4.4	U	10	4.4	ug/L			12/16/11 20:10	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			12/16/11 20:10	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			12/16/11 20:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*125*		*70 - 130*		*12/16/11 20:10*	*1*
4-Bromofluorobenzene	*85*		*70 - 130*		*12/16/11 20:10*	*1*
Dibromofluoromethane	*101*		*70 - 130*		*12/16/11 20:10*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**37**		2.0	1.0	ug/L			12/16/11 10:14	1

Client Sample ID: MW-85

Lab Sample ID: 660-45174-21

Date Collected: 12/07/11 13:00
Date Received: 12/13/11 13:00

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U J3	20	9.9	ug/L			12/16/11 20:27	1
Benzene	0.50	U	1.0	0.50	ug/L			12/16/11 20:27	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			12/16/11 20:27	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			12/16/11 20:27	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			12/16/11 20:27	1
Bromoform	0.58	U	1.0	0.58	ug/L			12/16/11 20:27	1

Client Sample ID: MW-85

Date Collected: 12/07/11 13:00
Date Received: 12/13/11 13:00

Lab Sample ID: 660-45174-21

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	2.5	U J3	5.0	2.5	ug/L			12/16/11 20:27	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			12/16/11 20:27	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			12/16/11 20:27	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			12/16/11 20:27	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			12/16/11 20:27	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			12/16/11 20:27	1
Chloroethane	2.5	U J3	5.0	2.5	ug/L			12/16/11 20:27	1
Chloroform	0.90	U	1.0	0.90	ug/L			12/16/11 20:27	1
Chloromethane	1.0	U	4.0	1.0	ug/L			12/16/11 20:27	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			12/16/11 20:27	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			12/16/11 20:27	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			12/16/11 20:27	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			12/16/11 20:27	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			12/16/11 20:27	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			12/16/11 20:27	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			12/16/11 20:27	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			12/16/11 20:27	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			12/16/11 20:27	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			12/16/11 20:27	1
1,1-Dichloroethane	**54**		1.0	0.52	ug/L			12/16/11 20:27	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			12/16/11 20:27	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			12/16/11 20:27	1
1,1-Dichloroethene	**23**		1.0	0.45	ug/L			12/16/11 20:27	1
cis-1,2-Dichloroethene	**15**		1.0	0.65	ug/L			12/16/11 20:27	1
trans-1,2-Dichloroethene	**0.60**	**I**	1.0	0.44	ug/L			12/16/11 20:27	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			12/16/11 20:27	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			12/16/11 20:27	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/16/11 20:27	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			12/16/11 20:27	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/16/11 20:27	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/16/11 20:27	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			12/16/11 20:27	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			12/16/11 20:27	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			12/16/11 20:27	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			12/16/11 20:27	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			12/16/11 20:27	1
Naphthalene	2.5	U	5.0	2.5	ug/L			12/16/11 20:27	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			12/16/11 20:27	1
Styrene	0.98	U	2.0	0.98	ug/L			12/16/11 20:27	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			12/16/11 20:27	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			12/16/11 20:27	1
Toluene	1.0	U	1.0	1.0	ug/L			12/16/11 20:27	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			12/16/11 20:27	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			12/16/11 20:27	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			12/16/11 20:27	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			12/16/11 20:27	1
Trichloroethene	**1.2**		1.0	0.50	ug/L			12/16/11 20:27	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			12/16/11 20:27	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			12/16/11 20:27	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			12/16/11 20:27	1

Client Sample ID: MW-85

Lab Sample ID: 660-45174-21

Date Collected: 12/07/11 13:00
Date Received: 12/13/11 13:00

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			12/16/11 20:27	1
Vinyl chloride	**2.0**		1.0	0.50	ug/L			12/16/11 20:27	1
o-Xylene	0.50	U	1.0	0.50	ug/L			12/16/11 20:27	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			12/16/11 20:27	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			12/16/11 20:27	1
Carbon disulfide	1.0	U J3	2.0	1.0	ug/L			12/16/11 20:27	1
2-Hexanone	4.4	U	10	4.4	ug/L			12/16/11 20:27	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			12/16/11 20:27	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			12/16/11 20:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*104*		*70 - 130*		*12/16/11 20:27*	*1*
4-Bromofluorobenzene	*88*		*70 - 130*		*12/16/11 20:27*	*1*
Dibromofluoromethane	*104*		*70 - 130*		*12/16/11 20:27*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**150**		10	5.0	ug/L			12/15/11 15:46	5

Client Sample ID: MW-81

Lab Sample ID: 660-45174-22

Date Collected: 12/07/11 15:49
Date Received: 12/13/11 13:00

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U J3	20	9.9	ug/L			12/16/11 20:44	1
Benzene	0.50	U	1.0	0.50	ug/L			12/16/11 20:44	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			12/16/11 20:44	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			12/16/11 20:44	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			12/16/11 20:44	1
Bromoform	0.58	U	1.0	0.58	ug/L			12/16/11 20:44	1
Bromomethane	2.5	U J3	5.0	2.5	ug/L			12/16/11 20:44	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			12/16/11 20:44	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			12/16/11 20:44	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			12/16/11 20:44	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			12/16/11 20:44	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			12/16/11 20:44	1
Chloroethane	2.5	U J3	5.0	2.5	ug/L			12/16/11 20:44	1
Chloroform	0.90	U	1.0	0.90	ug/L			12/16/11 20:44	1
Chloromethane	1.0	U	4.0	1.0	ug/L			12/16/11 20:44	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			12/16/11 20:44	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			12/16/11 20:44	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			12/16/11 20:44	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			12/16/11 20:44	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			12/16/11 20:44	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			12/16/11 20:44	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			12/16/11 20:44	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			12/16/11 20:44	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			12/16/11 20:44	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			12/16/11 20:44	1

Client Sample ID: MW-81

Date Collected: 12/07/11 15:49
Date Received: 12/13/11 13:00

Lab Sample ID: 660-45174-22

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	**4.6**		1.0	0.52	ug/L			12/16/11 20:44	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			12/16/11 20:44	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			12/16/11 20:44	1
1,1-Dichloroethene	**18**		1.0	0.45	ug/L			12/16/11 20:44	1
cis-1,2-Dichloroethene	**33**		1.0	0.65	ug/L			12/16/11 20:44	1
trans-1,2-Dichloroethene	**1.4**		1.0	0.44	ug/L			12/16/11 20:44	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			12/16/11 20:44	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			12/16/11 20:44	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/16/11 20:44	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			12/16/11 20:44	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/16/11 20:44	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/16/11 20:44	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			12/16/11 20:44	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			12/16/11 20:44	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			12/16/11 20:44	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			12/16/11 20:44	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			12/16/11 20:44	1
Naphthalene	2.5	U	5.0	2.5	ug/L			12/16/11 20:44	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			12/16/11 20:44	1
Styrene	0.98	U	2.0	0.98	ug/L			12/16/11 20:44	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			12/16/11 20:44	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			12/16/11 20:44	1
Toluene	1.0	U	1.0	1.0	ug/L			12/16/11 20:44	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			12/16/11 20:44	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			12/16/11 20:44	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			12/16/11 20:44	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			12/16/11 20:44	1
Trichloroethene	**24**		1.0	0.50	ug/L			12/16/11 20:44	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			12/16/11 20:44	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			12/16/11 20:44	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			12/16/11 20:44	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			12/16/11 20:44	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/16/11 20:44	1
o-Xylene	0.50	U	1.0	0.50	ug/L			12/16/11 20:44	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			12/16/11 20:44	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			12/16/11 20:44	1
Carbon disulfide	1.0	U J3	2.0	1.0	ug/L			12/16/11 20:44	1
2-Hexanone	4.4	U	10	4.4	ug/L			12/16/11 20:44	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			12/16/11 20:44	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			12/16/11 20:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*118*		*70 - 130*		*12/16/11 20:44*	*1*
4-Bromofluorobenzene	*93*		*70 - 130*		*12/16/11 20:44*	*1*
Dibromofluoromethane	*103*		*70 - 130*		*12/16/11 20:44*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**110**		10	5.0	ug/L			12/15/11 16:08	5

Client: ARCADIS U.S. Inc
Project/Site: Tallevast SemiAnnual

TestAmerica Job ID: 660-45174-1

Client Sample ID: MW-158
Date Collected: 12/07/11 14:50
Date Received: 12/13/11 13:00

Lab Sample ID: 660-45174-23
Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U J3	20	9.9	ug/L			12/16/11 21:01	1
Benzene	0.50	U	1.0	0.50	ug/L			12/16/11 21:01	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			12/16/11 21:01	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			12/16/11 21:01	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			12/16/11 21:01	1
Bromoform	0.58	U	1.0	0.58	ug/L			12/16/11 21:01	1
Bromomethane	2.5	U J3	5.0	2.5	ug/L			12/16/11 21:01	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			12/16/11 21:01	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			12/16/11 21:01	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			12/16/11 21:01	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			12/16/11 21:01	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			12/16/11 21:01	1
Chloroethane	2.5	U J3	5.0	2.5	ug/L			12/16/11 21:01	1
Chloroform	0.90	U	1.0	0.90	ug/L			12/16/11 21:01	1
Chloromethane	1.0	U	4.0	1.0	ug/L			12/16/11 21:01	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			12/16/11 21:01	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			12/16/11 21:01	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			12/16/11 21:01	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			12/16/11 21:01	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			12/16/11 21:01	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			12/16/11 21:01	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			12/16/11 21:01	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			12/16/11 21:01	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			12/16/11 21:01	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			12/16/11 21:01	1
1,1-Dichloroethane	**1.4**		1.0	0.52	ug/L			12/16/11 21:01	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			12/16/11 21:01	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			12/16/11 21:01	1
1,1-Dichloroethene	**0.71**	**I**	1.0	0.45	ug/L			12/16/11 21:01	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			12/16/11 21:01	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			12/16/11 21:01	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			12/16/11 21:01	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			12/16/11 21:01	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/16/11 21:01	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			12/16/11 21:01	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/16/11 21:01	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/16/11 21:01	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			12/16/11 21:01	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			12/16/11 21:01	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			12/16/11 21:01	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			12/16/11 21:01	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			12/16/11 21:01	1
Naphthalene	2.5	U	5.0	2.5	ug/L			12/16/11 21:01	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			12/16/11 21:01	1
Styrene	0.98	U	2.0	0.98	ug/L			12/16/11 21:01	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			12/16/11 21:01	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			12/16/11 21:01	1
Toluene	1.0	U	1.0	1.0	ug/L			12/16/11 21:01	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			12/16/11 21:01	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			12/16/11 21:01	1

Client Sample ID: MW-158

Date Collected: 12/07/11 14:50
Date Received: 12/13/11 13:00

Lab Sample ID: 660-45174-23

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			12/16/11 21:01	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			12/16/11 21:01	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			12/16/11 21:01	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			12/16/11 21:01	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			12/16/11 21:01	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			12/16/11 21:01	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			12/16/11 21:01	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/16/11 21:01	1
o-Xylene	0.50	U	1.0	0.50	ug/L			12/16/11 21:01	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			12/16/11 21:01	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			12/16/11 21:01	1
Carbon disulfide	1.0	U J3	2.0	1.0	ug/L			12/16/11 21:01	1
2-Hexanone	4.4	U	10	4.4	ug/L			12/16/11 21:01	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			12/16/11 21:01	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			12/16/11 21:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*104*		*70 - 130*		*12/16/11 21:01*	*1*
4-Bromofluorobenzene	*106*		*70 - 130*		*12/16/11 21:01*	*1*
Dibromofluoromethane	*89*		*70 - 130*		*12/16/11 21:01*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**37**		2.0	1.0	ug/L			12/15/11 13:32	1

Surrogate Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast SemiAnnual

TestAmerica Job ID: 660-45174-1

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)
660-45162-C-1 DU	Duplicate	95	102	94
660-45162-C-2 MS	Matrix Spike	114	111	99
660-45174-1	MW-69	101	98	102
660-45174-2	MW-71	103	79	98
660-45174-3	MW-91	115	92	103
660-45174-4	MW-108	108	99	101
660-45174-5 - DL	MW-41	105	97	110
660-45174-5	MW-41	110	112	99
660-45174-6	MW-47	110	100	96
660-45174-7	MW-32	100	112	110
660-45174-7 MS	MW-32	103	96	90
660-45174-7 MSD	MW-32	99	98	94
660-45174-8	MW-68	102	102	108
660-45174-9	MW-239	107	82	95
660-45174-10	FB-1-12122011	92	98	98
660-45174-11 - DL	MW-33	114	118	105
660-45174-11	MW-33	106	110	127
660-45174-12 - DL	MW-134	101	102	105
660-45174-12	MW-134	113	90	103
660-45174-13 - DL	MW-127	97	94	105
660-45174-13	MW-127	83	97	91
660-45174-14	MW-128	102	102	105
660-45174-15	IWI-2	105	110	109
660-45174-16	MW-57	99	101	114
660-45174-17	MW-130	100	99	83
660-45174-18	MW-254	106	92	96
660-45174-19	TB-12132011	120	89	102
660-45174-20	MW-44	125	85	101
660-45174-21	MW-85	104	88	104
660-45174-22	MW-81	118	93	103
660-45174-23	MW-158	104	106	89
LCS 660-118867/5	Lab Control Sample	104	89	96
LCS 660-118870/4	Lab Control Sample	103	109	102
MB 660-118867/7	Method Blank	117	99	109
MB 660-118870/6	Method Blank	128	94	104

Surrogate Legend

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene

DBFM = Dibromofluoromethane

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

Lab Sample ID: MB 660-118867/7
Matrix: Water
Analysis Batch: 118867

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			12/15/11 20:42	1
Benzene	0.50	U	1.0	0.50	ug/L			12/15/11 20:42	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			12/15/11 20:42	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			12/15/11 20:42	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			12/15/11 20:42	1
Bromoform	0.58	U	1.0	0.58	ug/L			12/15/11 20:42	1
Bromomethane	2.5	U	5.0	2.5	ug/L			12/15/11 20:42	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			12/15/11 20:42	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			12/15/11 20:42	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			12/15/11 20:42	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			12/15/11 20:42	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			12/15/11 20:42	1
Chloroethane	2.5	U	5.0	2.5	ug/L			12/15/11 20:42	1
Chloroform	0.90	U	1.0	0.90	ug/L			12/15/11 20:42	1
Chloromethane	1.0	U	4.0	1.0	ug/L			12/15/11 20:42	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			12/15/11 20:42	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			12/15/11 20:42	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			12/15/11 20:42	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			12/15/11 20:42	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			12/15/11 20:42	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			12/15/11 20:42	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			12/15/11 20:42	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			12/15/11 20:42	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			12/15/11 20:42	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			12/15/11 20:42	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			12/15/11 20:42	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			12/15/11 20:42	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			12/15/11 20:42	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			12/15/11 20:42	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			12/15/11 20:42	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			12/15/11 20:42	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			12/15/11 20:42	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			12/15/11 20:42	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/15/11 20:42	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			12/15/11 20:42	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/15/11 20:42	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/15/11 20:42	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			12/15/11 20:42	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			12/15/11 20:42	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			12/15/11 20:42	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			12/15/11 20:42	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			12/15/11 20:42	1
Naphthalene	2.5	U	5.0	2.5	ug/L			12/15/11 20:42	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			12/15/11 20:42	1
Styrene	0.98	U	2.0	0.98	ug/L			12/15/11 20:42	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			12/15/11 20:42	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			12/15/11 20:42	1
Toluene	1.0	U	1.0	1.0	ug/L			12/15/11 20:42	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			12/15/11 20:42	1

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

Lab Sample ID: MB 660-118867/7
Matrix: Water
Analysis Batch: 118867

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			12/15/11 20:42	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			12/15/11 20:42	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			12/15/11 20:42	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			12/15/11 20:42	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			12/15/11 20:42	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			12/15/11 20:42	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			12/15/11 20:42	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			12/15/11 20:42	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/15/11 20:42	1
o-Xylene	0.50	U	1.0	0.50	ug/L			12/15/11 20:42	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			12/15/11 20:42	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			12/15/11 20:42	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			12/15/11 20:42	1
2-Hexanone	4.4	U	10	4.4	ug/L			12/15/11 20:42	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			12/15/11 20:42	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			12/15/11 20:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*117*		*70 - 130*		*12/15/11 20:42*	*1*
4-Bromofluorobenzene	*99*		*70 - 130*		*12/15/11 20:42*	*1*
Dibromofluoromethane	*109*		*70 - 130*		*12/15/11 20:42*	*1*

Lab Sample ID: LCS 660-118867/5
Matrix: Water
Analysis Batch: 118867

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	40.0	52.5		ug/L		131	62 - 142
Benzene	20.0	18.0		ug/L		90	68 - 134
Bromobenzene	20.0	20.3		ug/L		102	70 - 130
Chlorobromomethane	20.0	17.8		ug/L		89	70 - 130
Dichlorobromomethane	20.0	19.9		ug/L		100	70 - 130
Bromoform	20.0	16.4		ug/L		82	65 - 130
Bromomethane	20.0	27.6		ug/L		138	22 - 150
n-Butylbenzene	20.0	17.1		ug/L		85	61 - 131
sec-Butylbenzene	20.0	19.1		ug/L		95	68 - 133
tert-Butylbenzene	20.0	18.9		ug/L		95	64 - 130
Carbon tetrachloride	20.0	17.7		ug/L		88	61 - 134
Chlorobenzene	20.0	18.5		ug/L		93	70 - 130
Chloroethane	20.0	22.0		ug/L		110	39 - 150
Chloroform	20.0	16.3		ug/L		82	68 - 130
Chloromethane	20.0	18.0		ug/L		90	35 - 150
2-Chlorotoluene	20.0	19.8		ug/L		99	70 - 130
4-Chlorotoluene	20.0	19.6		ug/L		98	70 - 130
Chlorodibromomethane	20.0	19.6		ug/L		98	70 - 130
1,2-Dibromo-3-Chloropropane	20.0	17.4		ug/L		87	63 - 130
Ethylene Dibromide	20.0	20.4		ug/L		102	66 - 130
Dibromomethane	20.0	18.6		ug/L		93	70 - 130
1,2-Dichlorobenzene	20.0	19.0		ug/L		95	70 - 130

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

Lab Sample ID: LCS 660-118867/5
Matrix: Water
Analysis Batch: 118867

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3-Dichlorobenzene	20.0	19.3		ug/L		96	70 - 130
1,4-Dichlorobenzene	20.0	18.2		ug/L		91	70 - 130
Dichlorodifluoromethane	20.0	22.7		ug/L		113	16 - 149
1,1-Dichloroethane	20.0	18.9		ug/L		94	66 - 130
1,2-Dichloroethane	20.0	18.5		ug/L		92	70 - 130
1,1,1,2-Tetrachloroethane	20.0	17.3		ug/L		87	70 - 130
1,1-Dichloroethene	20.0	18.5		ug/L		92	51 - 150
cis-1,2-Dichloroethene	20.0	18.5		ug/L		92	66 - 130
trans-1,2-Dichloroethene	20.0	20.2		ug/L		101	62 - 139
1,2-Dichloropropane	20.0	19.6		ug/L		98	70 - 130
1,3-Dichloropropane	20.0	20.3		ug/L		101	70 - 130
2,2-Dichloropropane	20.0	18.2		ug/L		91	66 - 134
1,1-Dichloropropene	20.0	18.4		ug/L		92	65 - 136
cis-1,3-Dichloropropene	20.0	19.8		ug/L		99	70 - 130
trans-1,3-Dichloropropene	20.0	19.2		ug/L		96	67 - 130
Ethylbenzene	20.0	18.8		ug/L		94	70 - 130
Hexachlorobutadiene	20.0	19.7		ug/L		98	62 - 143
Isopropylbenzene	20.0	18.1		ug/L		91	62 - 130
4-Isopropyltoluene	20.0	20.0		ug/L		100	65 - 134
Methylene Chloride	20.0	18.8		ug/L		94	57 - 130
Naphthalene	20.0	13.9		ug/L		70	50 - 136
N-Propylbenzene	20.0	20.1		ug/L		100	67 - 130
Styrene	20.0	19.0		ug/L		95	68 - 131
1,1,2,2-Tetrachloroethane	20.0	17.8		ug/L		89	70 - 130
Tetrachloroethene	20.0	20.4		ug/L		102	50 - 143
Toluene	20.0	20.1		ug/L		101	70 - 131
1,2,3-Trichlorobenzene	20.0	15.6		ug/L		78	58 - 132
1,2,4-Trichlorobenzene	20.0	17.0		ug/L		85	66 - 130
1,1,1-Trichloroethane	20.0	17.6		ug/L		88	63 - 132
1,1,2-Trichloroethane	20.0	19.6		ug/L		98	70 - 130
Trichloroethene	20.0	17.5		ug/L		87	63 - 139
Trichlorofluoromethane	20.0	21.9		ug/L		109	62 - 146
1,2,3-Trichloropropane	20.0	17.7		ug/L		88	66 - 130
1,2,4-Trimethylbenzene	20.0	20.1		ug/L		100	70 - 132
1,3,5-Trimethylbenzene	20.0	19.9		ug/L		100	65 - 134
Vinyl chloride	20.0	22.2		ug/L		111	48 - 147
o-Xylene	20.0	19.5		ug/L		98	69 - 130
2-Butanone (MEK)	40.0	40.0		ug/L		100	63 - 140
4-Methyl-2-pentanone (MIBK)	40.0	40.4		ug/L		101	64 - 137
Carbon disulfide	40.0	55.2		ug/L		138	30 - 150
2-Hexanone	40.0	40.2		ug/L		101	60 - 148
Methyl tert-butyl ether	40.0	40.1		ug/L		100	67 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*104*		*70 - 130*
4-Bromofluorobenzene	*89*		*70 - 130*
Dibromofluoromethane	*96*		*70 - 130*

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

Lab Sample ID: 660-45162-C-2 MS
Matrix: Water
Analysis Batch: 118867

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	9.9	U	40.0	52.7		ug/L		132	62 - 142
Benzene	0.50	U	20.0	19.3		ug/L		97	68 - 134
Bromobenzene	0.58	U	20.0	21.7		ug/L		109	70 - 130
Chlorobromomethane	0.58	U	20.0	20.8		ug/L		104	70 - 130
Dichlorobromomethane	0.35	U	20.0	21.9		ug/L		109	70 - 130
Bromoform	0.58	U	20.0	21.0		ug/L		105	65 - 130
Bromomethane	2.5	U	20.0	20.8		ug/L		104	22 - 150
n-Butylbenzene	0.67	U	20.0	17.7		ug/L		89	61 - 131
sec-Butylbenzene	0.63	U	20.0	19.3		ug/L		97	68 - 133
tert-Butylbenzene	0.84	U	20.0	19.9		ug/L		99	64 - 130
Carbon tetrachloride	0.42	U	20.0	17.2		ug/L		86	61 - 134
Chlorobenzene	0.63	U	20.0	20.0		ug/L		100	70 - 130
Chloroethane	2.5	U	20.0	19.2		ug/L		96	39 - 150
Chloroform	0.90	U	20.0	18.0		ug/L		90	68 - 130
Chloromethane	1.0	U	20.0	16.7		ug/L		83	35 - 150
2-Chlorotoluene	0.65	U	20.0	20.7		ug/L		103	70 - 130
4-Chlorotoluene	0.52	U	20.0	20.1		ug/L		100	70 - 130
Chlorodibromomethane	0.34	U	20.0	19.8		ug/L		99	70 - 130
1,2-Dibromo-3-Chloropropane	2.5	U	20.0	19.7		ug/L		99	63 - 130
Ethylene Dibromide	0.50	U	20.0	18.7		ug/L		94	66 - 130
Dibromomethane	0.41	U	20.0	21.2		ug/L		106	70 - 130
1,2-Dichlorobenzene	0.44	U	20.0	20.1		ug/L		100	70 - 130
1,3-Dichlorobenzene	0.64	U	20.0	20.2		ug/L		101	70 - 130
1,4-Dichlorobenzene	0.52	U	20.0	19.9		ug/L		100	70 - 130
Dichlorodifluoromethane	2.5	U	20.0	20.3		ug/L		102	16 - 149
1,1-Dichloroethane	0.52	U	20.0	19.6		ug/L		98	66 - 130
1,2-Dichloroethane	0.57	U	20.0	18.1		ug/L		91	70 - 130
1,1,1,2-Tetrachloroethane	0.63	U	20.0	19.6		ug/L		98	70 - 130
1,1-Dichloroethene	0.45	U	20.0	19.3		ug/L		97	51 - 150
cis-1,2-Dichloroethene	0.88	I	20.0	18.6		ug/L		88	66 - 130
trans-1,2-Dichloroethene	0.44	U	20.0	19.5		ug/L		97	62 - 139
1,2-Dichloropropane	0.52	U	20.0	21.4		ug/L		107	70 - 130
1,3-Dichloropropane	0.39	U	20.0	21.5		ug/L		108	70 - 130
2,2-Dichloropropane	0.36	U	20.0	17.6		ug/L		88	66 - 134
1,1-Dichloropropene	0.31	U	20.0	17.5		ug/L		88	65 - 136
cis-1,3-Dichloropropene	0.14	U	20.0	21.8		ug/L		109	70 - 130
trans-1,3-Dichloropropene	0.14	U	20.0	19.7		ug/L		99	67 - 130
Ethylbenzene	0.44	U	20.0	20.3		ug/L		102	70 - 130
Hexachlorobutadiene	0.40	U	20.0	18.4		ug/L		92	62 - 143
Isopropylbenzene	0.19	U	20.0	22.4		ug/L		112	62 - 130
4-Isopropyltoluene	0.69	U	20.0	20.1		ug/L		101	65 - 134
Methylene Chloride	4.0	U	20.0	18.1		ug/L		91	57 - 130
Naphthalene	2.5	U	20.0	16.2		ug/L		81	50 - 136
N-Propylbenzene	0.59	U	20.0	21.2		ug/L		106	67 - 130
Styrene	0.98	U	20.0	22.1		ug/L		110	68 - 131
1,1,2,2-Tetrachloroethane	0.15	U	20.0	20.6		ug/L		103	70 - 130
Tetrachloroethene	0.50	U	20.0	20.7		ug/L		103	50 - 143
Toluene	1.0	U	20.0	22.5		ug/L		113	70 - 131
1,2,3-Trichlorobenzene	0.77	U	20.0	19.0		ug/L		95	58 - 132

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

Lab Sample ID: 660-45162-C-2 MS
Matrix: Water
Analysis Batch: 118867

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	0.58	U	20.0	16.9		ug/L		84	66 - 130
1,1,1-Trichloroethane	0.46	U	20.0	18.3		ug/L		91	63 - 132
1,1,2-Trichloroethane	0.47	U	20.0	20.1		ug/L		101	70 - 130
Trichloroethene	2.4		20.0	21.7		ug/L		96	63 - 139
Trichlorofluoromethane	2.5	U	20.0	19.3		ug/L		97	62 - 146
1,2,3-Trichloropropane	0.18	U	20.0	20.2		ug/L		101	66 - 130
1,2,4-Trimethylbenzene	0.86	U	20.0	20.6		ug/L		103	70 - 132
1,3,5-Trimethylbenzene	0.54	U	20.0	20.9		ug/L		104	65 - 134
Vinyl chloride	0.50	U	20.0	18.9		ug/L		94	48 - 147
o-Xylene	0.50	U	20.0	21.7		ug/L		109	69 - 130
2-Butanone (MEK)	8.4	U	40.0	43.2		ug/L		108	63 - 140
4-Methyl-2-pentanone (MIBK)	3.8	U	40.0	42.8		ug/L		107	64 - 137
Carbon disulfide	1.0	U	40.0	50.8		ug/L		127	30 - 150
2-Hexanone	4.4	U	40.0	45.5		ug/L		114	60 - 148
Methyl tert-butyl ether	0.44	U	40.0	40.6		ug/L		102	67 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*114*		*70 - 130*
4-Bromofluorobenzene	*111*		*70 - 130*
Dibromofluoromethane	*99*		*70 - 130*

Lab Sample ID: 660-45162-C-1 DU
Matrix: Water
Analysis Batch: 118867

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Acetone	9.9	U	9.9	U	ug/L		NC	30
Benzene	0.50	U	0.50	U	ug/L		NC	30
Bromobenzene	0.58	U	0.58	U	ug/L		NC	30
Chlorobromomethane	0.58	U	0.58	U	ug/L		NC	30
Dichlorobromomethane	0.35	U	0.35	U	ug/L		NC	30
Bromoform	0.58	U	0.58	U	ug/L		NC	30
Bromomethane	2.5	U	2.5	U	ug/L		NC	30
n-Butylbenzene	0.67	U	0.67	U	ug/L		NC	30
sec-Butylbenzene	0.63	U	0.63	U	ug/L		NC	30
tert-Butylbenzene	0.84	U	0.84	U	ug/L		NC	30
Carbon tetrachloride	0.42	U	0.42	U	ug/L		NC	30
Chlorobenzene	0.63	U	0.63	U	ug/L		NC	30
Chloroethane	2.5	U	2.5	U	ug/L		NC	30
Chloroform	0.90	U	0.90	U	ug/L		NC	30
Chloromethane	1.0	U	1.0	U	ug/L		NC	30
2-Chlorotoluene	0.65	U	0.65	U	ug/L		NC	30
4-Chlorotoluene	0.52	U	0.52	U	ug/L		NC	30
Chlorodibromomethane	0.34	U	0.34	U	ug/L		NC	30
1,2-Dibromo-3-Chloropropane	2.5	U	2.5	U	ug/L		NC	30
Ethylene Dibromide	0.50	U	0.50	U	ug/L		NC	30
Dibromomethane	0.41	U	0.41	U	ug/L		NC	30
1,2-Dichlorobenzene	0.44	U	0.44	U	ug/L		NC	30
1,3-Dichlorobenzene	0.64	U	0.64	U	ug/L		NC	30

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

Lab Sample ID: 660-45162-C-1 DU
Matrix: Water
Analysis Batch: 118867

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
1,4-Dichlorobenzene	0.52	U		0.52	U	ug/L				NC	30
Dichlorodifluoromethane	2.5	U		2.5	U	ug/L				NC	30
1,1-Dichloroethane	0.52	U		0.52	U	ug/L				NC	30
1,2-Dichloroethane	0.57	U		0.57	U	ug/L				NC	30
1,1,1,2-Tetrachloroethane	0.63	U		0.63	U	ug/L				NC	30
1,1-Dichloroethene	0.45	U		0.45	U	ug/L				NC	30
cis-1,2-Dichloroethene	0.65	U		0.65	U	ug/L				NC	30
trans-1,2-Dichloroethene	0.44	U		0.44	U	ug/L				NC	30
1,2-Dichloropropane	0.52	U		0.52	U	ug/L				NC	30
1,3-Dichloropropane	0.39	U		0.39	U	ug/L				NC	30
2,2-Dichloropropane	0.36	U		0.36	U	ug/L				NC	30
1,1-Dichloropropene	0.31	U		0.31	U	ug/L				NC	30
cis-1,3-Dichloropropene	0.14	U		0.14	U	ug/L				NC	30
trans-1,3-Dichloropropene	0.14	U		0.14	U	ug/L				NC	30
Ethylbenzene	0.44	U		0.44	U	ug/L				NC	30
Hexachlorobutadiene	0.40	U		0.40	U	ug/L				NC	30
Isopropylbenzene	0.19	U		0.19	U	ug/L				NC	30
4-Isopropyltoluene	0.69	U		0.69	U	ug/L				NC	30
Methylene Chloride	4.0	U		4.0	U	ug/L				NC	30
Naphthalene	2.5	U		2.5	U	ug/L				NC	30
N-Propylbenzene	0.59	U		0.59	U	ug/L				NC	30
Styrene	0.98	U		0.98	U	ug/L				NC	30
1,1,2,2-Tetrachloroethane	0.15	U		0.15	U	ug/L				NC	30
Tetrachloroethene	0.50	U		0.50	U	ug/L				NC	30
Toluene	1.0	U		1.0	U	ug/L				NC	30
1,2,3-Trichlorobenzene	0.77	U		0.77	U	ug/L				NC	30
1,2,4-Trichlorobenzene	0.58	U		0.58	U	ug/L				NC	30
1,1,1-Trichloroethane	0.46	U		0.46	U	ug/L				NC	30
1,1,2-Trichloroethane	0.47	U		0.47	U	ug/L				NC	30
Trichloroethene	0.50	U		0.50	U	ug/L				NC	30
Trichlorofluoromethane	2.5	U		2.5	U	ug/L				NC	30
1,2,3-Trichloropropane	0.18	U		0.18	U	ug/L				NC	30
1,2,4-Trimethylbenzene	0.86	U		0.86	U	ug/L				NC	30
1,3,5-Trimethylbenzene	0.54	U		0.54	U	ug/L				NC	30
Vinyl chloride	0.50	U		0.50	U	ug/L				NC	30
o-Xylene	0.50	U		0.50	U	ug/L				NC	30
2-Butanone (MEK)	8.4	U		8.4	U	ug/L				NC	30
4-Methyl-2-pentanone (MIBK)	3.8	U		3.8	U	ug/L				NC	30
Carbon disulfide	1.0	U		1.0	U	ug/L				NC	30
2-Hexanone	4.4	U		4.4	U	ug/L				NC	30
Methyl tert-butyl ether	0.44	U		0.44	U	ug/L				NC	30
m-Xylene & p-Xylene	0.60	U		0.60	U	ug/L				NC	30

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
Toluene-d8 (Surr)	*95*		*70 - 130*
4-Bromofluorobenzene	*102*		*70 - 130*
Dibromofluoromethane	*94*		*70 - 130*

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

Lab Sample ID: MB 660-118870/6
Matrix: Water
Analysis Batch: 118870

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			12/16/11 15:50	1
Benzene	0.50	U	1.0	0.50	ug/L			12/16/11 15:50	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			12/16/11 15:50	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			12/16/11 15:50	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			12/16/11 15:50	1
Bromoform	0.58	U	1.0	0.58	ug/L			12/16/11 15:50	1
Bromomethane	2.5	U	5.0	2.5	ug/L			12/16/11 15:50	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			12/16/11 15:50	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			12/16/11 15:50	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			12/16/11 15:50	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			12/16/11 15:50	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			12/16/11 15:50	1
Chloroethane	2.5	U	5.0	2.5	ug/L			12/16/11 15:50	1
Chloroform	0.90	U	1.0	0.90	ug/L			12/16/11 15:50	1
Chloromethane	1.0	U	4.0	1.0	ug/L			12/16/11 15:50	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			12/16/11 15:50	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			12/16/11 15:50	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			12/16/11 15:50	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			12/16/11 15:50	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			12/16/11 15:50	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			12/16/11 15:50	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			12/16/11 15:50	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			12/16/11 15:50	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			12/16/11 15:50	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			12/16/11 15:50	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			12/16/11 15:50	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			12/16/11 15:50	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			12/16/11 15:50	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			12/16/11 15:50	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			12/16/11 15:50	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			12/16/11 15:50	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			12/16/11 15:50	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			12/16/11 15:50	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/16/11 15:50	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			12/16/11 15:50	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/16/11 15:50	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/16/11 15:50	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			12/16/11 15:50	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			12/16/11 15:50	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			12/16/11 15:50	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			12/16/11 15:50	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			12/16/11 15:50	1
Naphthalene	2.5	U	5.0	2.5	ug/L			12/16/11 15:50	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			12/16/11 15:50	1
Styrene	0.98	U	2.0	0.98	ug/L			12/16/11 15:50	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			12/16/11 15:50	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			12/16/11 15:50	1
Toluene	1.0	U	1.0	1.0	ug/L			12/16/11 15:50	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			12/16/11 15:50	1

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

Lab Sample ID: MB 660-118870/6
Matrix: Water
Analysis Batch: 118870

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			12/16/11 15:50	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			12/16/11 15:50	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			12/16/11 15:50	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			12/16/11 15:50	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			12/16/11 15:50	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			12/16/11 15:50	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			12/16/11 15:50	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			12/16/11 15:50	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/16/11 15:50	1
o-Xylene	0.50	U	1.0	0.50	ug/L			12/16/11 15:50	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			12/16/11 15:50	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			12/16/11 15:50	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			12/16/11 15:50	1
2-Hexanone	4.4	U	10	4.4	ug/L			12/16/11 15:50	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			12/16/11 15:50	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			12/16/11 15:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*128*		*70 - 130*		*12/16/11 15:50*	*1*
4-Bromofluorobenzene	*94*		*70 - 130*		*12/16/11 15:50*	*1*
Dibromofluoromethane	*104*		*70 - 130*		*12/16/11 15:50*	*1*

Lab Sample ID: LCS 660-118870/4
Matrix: Water
Analysis Batch: 118870

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	40.0	60.8	J3	ug/L		152	62 - 142
Benzene	20.0	19.6		ug/L		98	68 - 134
Bromobenzene	20.0	18.4		ug/L		92	70 - 130
Chlorobromomethane	20.0	19.5		ug/L		98	70 - 130
Dichlorobromomethane	20.0	20.6		ug/L		103	70 - 130
Bromoform	20.0	18.9		ug/L		95	65 - 130
Bromomethane	20.0	39.7	J3	ug/L		198	22 - 150
n-Butylbenzene	20.0	17.0		ug/L		85	61 - 131
sec-Butylbenzene	20.0	18.4		ug/L		92	68 - 133
tert-Butylbenzene	20.0	18.3		ug/L		91	64 - 130
Carbon tetrachloride	20.0	20.6		ug/L		103	61 - 134
Chlorobenzene	20.0	19.0		ug/L		95	70 - 130
Chloroethane	20.0	32.5	J3	ug/L		162	39 - 150
Chloroform	20.0	19.7		ug/L		99	68 - 130
Chloromethane	20.0	22.5		ug/L		113	35 - 150
2-Chlorotoluene	20.0	18.1		ug/L		91	70 - 130
4-Chlorotoluene	20.0	17.6		ug/L		88	70 - 130
Chlorodibromomethane	20.0	19.2		ug/L		96	70 - 130
1,2-Dibromo-3-Chloropropane	20.0	15.1		ug/L		75	63 - 130
Ethylene Dibromide	20.0	19.6		ug/L		98	66 - 130
Dibromomethane	20.0	18.4		ug/L		92	70 - 130
1,2-Dichlorobenzene	20.0	18.2		ug/L		91	70 - 130

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

Lab Sample ID: LCS 660-118870/4
Matrix: Water
Analysis Batch: 118870

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3-Dichlorobenzene	20.0	18.1		ug/L		91	70 - 130
1,4-Dichlorobenzene	20.0	18.5		ug/L		92	70 - 130
Dichlorodifluoromethane	20.0	27.3		ug/L		136	16 - 149
1,1-Dichloroethane	20.0	22.6		ug/L		113	66 - 130
1,2-Dichloroethane	20.0	21.2		ug/L		106	70 - 130
1,1,1,2-Tetrachloroethane	20.0	18.7		ug/L		94	70 - 130
1,1-Dichloroethene	20.0	22.7		ug/L		113	51 - 150
cis-1,2-Dichloroethene	20.0	21.7		ug/L		109	66 - 130
trans-1,2-Dichloroethene	20.0	21.8		ug/L		109	62 - 139
1,2-Dichloropropane	20.0	20.2		ug/L		101	70 - 130
1,3-Dichloropropane	20.0	20.2		ug/L		101	70 - 130
2,2-Dichloropropane	20.0	20.8		ug/L		104	66 - 134
1,1-Dichloropropene	20.0	20.1		ug/L		100	65 - 136
cis-1,3-Dichloropropene	20.0	19.9		ug/L		100	70 - 130
trans-1,3-Dichloropropene	20.0	20.3		ug/L		101	67 - 130
Ethylbenzene	20.0	19.5		ug/L		98	70 - 130
Hexachlorobutadiene	20.0	17.6		ug/L		88	62 - 143
Isopropylbenzene	20.0	21.5		ug/L		107	62 - 130
4-Isopropyltoluene	20.0	19.2		ug/L		96	65 - 134
Methylene Chloride	20.0	20.7		ug/L		104	57 - 130
Naphthalene	20.0	13.7		ug/L		68	50 - 136
N-Propylbenzene	20.0	18.9		ug/L		95	67 - 130
Styrene	20.0	22.2		ug/L		111	68 - 131
1,1,2,2-Tetrachloroethane	20.0	16.5		ug/L		83	70 - 130
Tetrachloroethene	20.0	19.2		ug/L		96	50 - 143
Toluene	20.0	19.7		ug/L		98	70 - 131
1,2,3-Trichlorobenzene	20.0	16.4		ug/L		82	58 - 132
1,2,4-Trichlorobenzene	20.0	16.2		ug/L		81	66 - 130
1,1,1-Trichloroethane	20.0	19.1		ug/L		95	63 - 132
1,1,2-Trichloroethane	20.0	19.0		ug/L		95	70 - 130
Trichloroethene	20.0	18.9		ug/L		94	63 - 139
Trichlorofluoromethane	20.0	27.0		ug/L		135	62 - 146
1,2,3-Trichloropropane	20.0	15.4		ug/L		77	66 - 130
1,2,4-Trimethylbenzene	20.0	18.3		ug/L		91	70 - 132
1,3,5-Trimethylbenzene	20.0	18.5		ug/L		92	65 - 134
Vinyl chloride	20.0	25.7		ug/L		129	48 - 147
o-Xylene	20.0	22.5		ug/L		113	69 - 130
2-Butanone (MEK)	40.0	47.9		ug/L		120	63 - 140
4-Methyl-2-pentanone (MIBK)	40.0	44.6		ug/L		112	64 - 137
Carbon disulfide	40.0	64.7	J3	ug/L		162	30 - 150
2-Hexanone	40.0	44.3		ug/L		111	60 - 148
Methyl tert-butyl ether	40.0	44.2		ug/L		111	67 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*103*		*70 - 130*
4-Bromofluorobenzene	*109*		*70 - 130*
Dibromofluoromethane	*102*		*70 - 130*

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

Lab Sample ID: 660-45174-7 MS
Matrix: Water
Analysis Batch: 118870

Client Sample ID: MW-32
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	9.9	U J3	40.0	40.7		ug/L		102	62 - 142
Benzene	0.50	U	20.0	18.9		ug/L		95	68 - 134
Bromobenzene	0.58	U J3	20.0	15.1		ug/L		75	70 - 130
Chlorobromomethane	0.58	U	20.0	16.5		ug/L		82	70 - 130
Dichlorobromomethane	0.35	U	20.0	21.1		ug/L		106	70 - 130
Bromoform	0.58	U	20.0	19.0		ug/L		95	65 - 130
Bromomethane	2.5	U J3	20.0	11.4		ug/L		57	22 - 150
n-Butylbenzene	0.67	U	20.0	18.8		ug/L		94	61 - 131
sec-Butylbenzene	0.63	U	20.0	19.7		ug/L		99	68 - 133
tert-Butylbenzene	0.84	U	20.0	19.4		ug/L		97	64 - 130
Carbon tetrachloride	0.42	U	20.0	18.4		ug/L		92	61 - 134
Chlorobenzene	0.63	U	20.0	19.3		ug/L		97	70 - 130
Chloroethane	2.5	U J3	20.0	21.1		ug/L		106	39 - 150
Chloroform	0.90	U	20.0	16.7		ug/L		83	68 - 130
Chloromethane	1.0	U	20.0	16.2		ug/L		81	35 - 150
2-Chlorotoluene	0.65	U	20.0	17.2		ug/L		86	70 - 130
4-Chlorotoluene	0.52	U	20.0	17.9		ug/L		89	70 - 130
Chlorodibromomethane	0.34	U	20.0	20.2		ug/L		101	70 - 130
1,2-Dibromo-3-Chloropropane	2.5	U	20.0	20.2		ug/L		101	63 - 130
Ethylene Dibromide	0.50	U	20.0	20.4		ug/L		102	66 - 130
Dibromomethane	0.41	U	20.0	20.6		ug/L		103	70 - 130
1,2-Dichlorobenzene	0.44	U	20.0	20.3		ug/L		102	70 - 130
1,3-Dichlorobenzene	0.64	U	20.0	20.6		ug/L		103	70 - 130
1,4-Dichlorobenzene	0.52	U	20.0	20.1		ug/L		101	70 - 130
Dichlorodifluoromethane	2.5	U	20.0	20.5		ug/L		103	16 - 149
1,1-Dichloroethane	0.52	U	20.0	19.1		ug/L		96	66 - 130
1,2-Dichloroethane	0.57	U	20.0	19.2		ug/L		96	70 - 130
1,1,1,2-Tetrachloroethane	0.63	U	20.0	18.4		ug/L		92	70 - 130
1,1-Dichloroethene	0.45	U	20.0	17.1		ug/L		85	51 - 150
cis-1,2-Dichloroethene	0.65	U	20.0	17.8		ug/L		89	66 - 130
trans-1,2-Dichloroethene	0.44	U	20.0	19.9		ug/L		100	62 - 139
1,2-Dichloropropane	0.52	U	20.0	21.6		ug/L		108	70 - 130
1,3-Dichloropropane	0.39	U	20.0	20.1		ug/L		100	70 - 130
2,2-Dichloropropane	0.36	U	20.0	17.6		ug/L		88	66 - 134
1,1-Dichloropropene	0.31	U	20.0	18.5		ug/L		93	65 - 136
cis-1,3-Dichloropropene	0.14	U	20.0	19.9		ug/L		100	70 - 130
trans-1,3-Dichloropropene	0.14	U	20.0	19.6		ug/L		98	67 - 130
Ethylbenzene	0.44	U	20.0	20.3		ug/L		101	70 - 130
Hexachlorobutadiene	0.40	U	20.0	19.3		ug/L		97	62 - 143
Isopropylbenzene	0.19	U	20.0	20.2		ug/L		101	62 - 130
4-Isopropyltoluene	0.69	U	20.0	21.7		ug/L		108	65 - 134
Methylene Chloride	4.0	U	20.0	15.9		ug/L		80	57 - 130
Naphthalene	2.5	U	20.0	16.5		ug/L		82	50 - 136
N-Propylbenzene	0.59	U	20.0	17.5		ug/L		87	67 - 130
Styrene	0.98	U	20.0	21.0		ug/L		105	68 - 131
1,1,2,2-Tetrachloroethane	0.15	U	20.0	16.4		ug/L		82	70 - 130
Tetrachloroethene	0.50	U	20.0	18.9		ug/L		94	50 - 143
Toluene	1.0	U	20.0	20.8		ug/L		104	70 - 131
1,2,3-Trichlorobenzene	0.77	U	20.0	18.9		ug/L		95	58 - 132

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

Lab Sample ID: 660-45174-7 MS
Matrix: Water
Analysis Batch: 118870

Client Sample ID: MW-32
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	0.58	U J3	20.0	17.7		ug/L		88	66 - 130
1,1,1-Trichloroethane	0.46	U	20.0	18.0		ug/L		90	63 - 132
1,1,2-Trichloroethane	0.47	U	20.0	20.4		ug/L		102	70 - 130
Trichloroethene	0.50	U	20.0	21.8		ug/L		109	63 - 139
Trichlorofluoromethane	2.5	U	20.0	20.4		ug/L		102	62 - 146
1,2,3-Trichloropropane	0.18	U	20.0	16.2		ug/L		81	66 - 130
1,2,4-Trimethylbenzene	0.86	U	20.0	19.9		ug/L		100	70 - 132
1,3,5-Trimethylbenzene	0.54	U	20.0	17.7		ug/L		89	65 - 134
Vinyl chloride	0.50	U	20.0	19.5		ug/L		97	48 - 147
o-Xylene	0.50	U	20.0	21.3		ug/L		107	69 - 130
2-Butanone (MEK)	8.4	U	40.0	38.6		ug/L		96	63 - 140
4-Methyl-2-pentanone (MIBK)	3.8	U	40.0	45.1		ug/L		113	64 - 137
Carbon disulfide	1.0	U J3	40.0	47.5		ug/L		119	30 - 150
2-Hexanone	4.4	U	40.0	43.1		ug/L		108	60 - 148
Methyl tert-butyl ether	0.44	U	40.0	42.8		ug/L		107	67 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*103*		*70 - 130*
4-Bromofluorobenzene	*96*		*70 - 130*
Dibromofluoromethane	*90*		*70 - 130*

Lab Sample ID: 660-45174-7 MSD
Matrix: Water
Analysis Batch: 118870

Client Sample ID: MW-32
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	9.9	U J3	40.0	37.9		ug/L		95	62 - 142	7	30
Benzene	0.50	U	20.0	18.9		ug/L		95	68 - 134	0	30
Bromobenzene	0.58	U J3	20.0	20.6	J3	ug/L		103	70 - 130	31	30
Chlorobromomethane	0.58	U	20.0	19.4		ug/L		97	70 - 130	16	30
Dichlorobromomethane	0.35	U	20.0	18.5		ug/L		92	70 - 130	13	30
Bromoform	0.58	U	20.0	18.2		ug/L		91	65 - 130	4	30
Bromomethane	2.5	U J3	20.0	12.7		ug/L		64	22 - 150	11	30
n-Butylbenzene	0.67	U	20.0	18.5		ug/L		93	61 - 131	1	30
sec-Butylbenzene	0.63	U	20.0	19.9		ug/L		99	68 - 133	1	30
tert-Butylbenzene	0.84	U	20.0	20.4		ug/L		102	64 - 130	5	30
Carbon tetrachloride	0.42	U	20.0	17.1		ug/L		85	61 - 134	8	30
Chlorobenzene	0.63	U	20.0	20.2		ug/L		101	70 - 130	4	30
Chloroethane	2.5	U J3	20.0	19.9		ug/L		100	39 - 150	6	30
Chloroform	0.90	U	20.0	17.1		ug/L		86	68 - 130	3	30
Chloromethane	1.0	U	20.0	15.3		ug/L		77	35 - 150	5	30
2-Chlorotoluene	0.65	U	20.0	20.7		ug/L		104	70 - 130	19	30
4-Chlorotoluene	0.52	U	20.0	20.5		ug/L		103	70 - 130	14	30
Chlorodibromomethane	0.34	U	20.0	19.6		ug/L		98	70 - 130	3	30
1,2-Dibromo-3-Chloropropane	2.5	U	20.0	19.4		ug/L		97	63 - 130	4	30
Ethylene Dibromide	0.50	U	20.0	19.8		ug/L		99	66 - 130	3	30
Dibromomethane	0.41	U	20.0	16.7		ug/L		83	70 - 130	21	30
1,2-Dichlorobenzene	0.44	U	20.0	20.7		ug/L		104	70 - 130	2	30
1,3-Dichlorobenzene	0.64	U	20.0	20.0		ug/L		100	70 - 130	3	30

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

Lab Sample ID: 660-45174-7 MSD
Matrix: Water
Analysis Batch: 118870

Client Sample ID: MW-32
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dichlorobenzene	0.52	U	20.0	20.0		ug/L		100	70 - 130	1	30
Dichlorodifluoromethane	2.5	U	20.0	19.5		ug/L		97	16 - 149	5	30
1,1-Dichloroethane	0.52	U	20.0	17.0		ug/L		85	66 - 130	12	30
1,2-Dichloroethane	0.57	U	20.0	17.5		ug/L		87	70 - 130	10	30
1,1,1,2-Tetrachloroethane	0.63	U	20.0	19.0		ug/L		95	70 - 130	3	30
1,1-Dichloroethene	0.45	U	20.0	14.3		ug/L		72	51 - 150	18	30
cis-1,2-Dichloroethene	0.65	U	20.0	17.6		ug/L		88	66 - 130	1	30
trans-1,2-Dichloroethene	0.44	U	20.0	15.6		ug/L		78	62 - 139	24	30
1,2-Dichloropropane	0.52	U	20.0	18.8		ug/L		94	70 - 130	14	30
1,3-Dichloropropane	0.39	U	20.0	20.2		ug/L		101	70 - 130	0	30
2,2-Dichloropropane	0.36	U	20.0	17.0		ug/L		85	66 - 134	3	30
1,1-Dichloropropene	0.31	U	20.0	17.8		ug/L		89	65 - 136	4	30
cis-1,3-Dichloropropene	0.14	U	20.0	18.7		ug/L		94	70 - 130	6	30
trans-1,3-Dichloropropene	0.14	U	20.0	18.7		ug/L		94	67 - 130	5	30
Ethylbenzene	0.44	U	20.0	20.6		ug/L		103	70 - 130	2	30
Hexachlorobutadiene	0.40	U	20.0	15.5		ug/L		78	62 - 143	22	30
Isopropylbenzene	0.19	U	20.0	20.2		ug/L		101	62 - 130	0	30
4-Isopropyltoluene	0.69	U	20.0	20.8		ug/L		104	65 - 134	4	30
Methylene Chloride	4.0	U	20.0	14.5		ug/L		73	57 - 130	9	30
Naphthalene	2.5	U	20.0	14.4		ug/L		72	50 - 136	14	30
N-Propylbenzene	0.59	U	20.0	21.3		ug/L		106	67 - 130	19	30
Styrene	0.98	U	20.0	21.1		ug/L		106	68 - 131	1	30
1,1,2,2-Tetrachloroethane	0.15	U	20.0	20.3		ug/L		101	70 - 130	21	30
Tetrachloroethene	0.50	U	20.0	19.5		ug/L		98	50 - 143	3	30
Toluene	1.0	U	20.0	19.8		ug/L		99	70 - 131	5	30
1,2,3-Trichlorobenzene	0.77	U	20.0	15.1		ug/L		76	58 - 132	22	30
1,2,4-Trichlorobenzene	0.58	U J3	20.0	12.1	J3	ug/L		61	66 - 130	37	30
1,1,1-Trichloroethane	0.46	U	20.0	17.6		ug/L		88	63 - 132	2	30
1,1,2-Trichloroethane	0.47	U	20.0	19.4		ug/L		97	70 - 130	5	30
Trichloroethene	0.50	U	20.0	19.1		ug/L		96	63 - 139	13	30
Trichlorofluoromethane	2.5	U	20.0	19.4		ug/L		97	62 - 146	5	30
1,2,3-Trichloropropane	0.18	U	20.0	20.2		ug/L		101	66 - 130	22	30
1,2,4-Trimethylbenzene	0.86	U	20.0	21.0		ug/L		105	70 - 132	5	30
1,3,5-Trimethylbenzene	0.54	U	20.0	21.3		ug/L		106	65 - 134	18	30
Vinyl chloride	0.50	U	20.0	19.5		ug/L		97	48 - 147	0	30
o-Xylene	0.50	U	20.0	21.8		ug/L		109	69 - 130	2	30
2-Butanone (MEK)	8.4	U	40.0	35.0		ug/L		87	63 - 140	10	30
4-Methyl-2-pentanone (MIBK)	3.8	U	40.0	41.8		ug/L		105	64 - 137	8	30
Carbon disulfide	1.0	U J3	40.0	43.0		ug/L		107	30 - 150	10	30
2-Hexanone	4.4	U	40.0	39.6		ug/L		99	60 - 148	8	30
Methyl tert-butyl ether	0.44	U	40.0	35.5		ug/L		89	67 - 130	19	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*99*		*70 - 130*
4-Bromofluorobenzene	*98*		*70 - 130*
Dibromofluoromethane	*94*		*70 - 130*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Lab Sample ID: MB 660-118700/6 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 118700

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			12/14/11 09:23	1

Lab Sample ID: LCS 660-118700/4 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 118700

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dioxane	25.0	25.2		ug/L		101	50 - 150

Lab Sample ID: 660-45174-7 MS — **Client Sample ID: MW-32**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 118700

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dioxane	1.0	U	25.0	23.3		ug/L		93	50 - 150

Lab Sample ID: 660-45174-7 MSD — **Client Sample ID: MW-32**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 118700

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dioxane	1.0	U	25.0	22.1		ug/L		88	50 - 150	6	50

Lab Sample ID: MB 660-118816/6 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 118816

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			12/15/11 08:57	1

Lab Sample ID: LCS 660-118816/4 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 118816

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dioxane	25.0	21.8		ug/L		87	50 - 150

Lab Sample ID: 660-45174-16 MS — **Client Sample ID: MW-57**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 118816

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dioxane	1.0	U	25.0	22.9		ug/L		92	50 - 150

Lab Sample ID: 660-45174-16 MSD — **Client Sample ID: MW-57**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 118816

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dioxane	1.0	U	25.0	22.8		ug/L		91	50 - 150	0	50

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution (Continued)

Lab Sample ID: MB 660-118855/6 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 118855

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			12/16/11 09:26	1

Lab Sample ID: LCS 660-118855/4 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 118855

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,4-Dioxane			25.0	23.2		ug/L		93	50 - 150		

Lab Sample ID: 660-45211-A-24 MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 118855

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,4-Dioxane	1.0	U	25.0	21.7		ug/L		87	50 - 150		

Lab Sample ID: 660-45211-A-24 MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 118855

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dioxane	1.0	U	25.0	25.1		ug/L		100	50 - 150	15	50

GC/MS VOA

Analysis Batch: 118700

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-45174-1	MW-69	Total/NA	Water	8260C _SIM/ID	
660-45174-2	MW-71	Total/NA	Water	8260C _SIM/ID	
660-45174-3	MW-91	Total/NA	Water	8260C _SIM/ID	
660-45174-4	MW-108	Total/NA	Water	8260C _SIM/ID	
660-45174-5	MW-41	Total/NA	Water	8260C _SIM/ID	
660-45174-6	MW-47	Total/NA	Water	8260C _SIM/ID	
660-45174-7	MW-32	Total/NA	Water	8260C _SIM/ID	
660-45174-7 MS	MW-32	Total/NA	Water	8260C _SIM/ID	
660-45174-7 MSD	MW-32	Total/NA	Water	8260C _SIM/ID	
660-45174-8	MW-68	Total/NA	Water	8260C _SIM/ID	
660-45174-9	MW-239	Total/NA	Water	8260C _SIM/ID	
660-45174-10	FB-1-12122011	Total/NA	Water	8260C _SIM/ID	
660-45174-12	MW-134	Total/NA	Water	8260C _SIM/ID	
660-45174-13	MW-127	Total/NA	Water	8260C _SIM/ID	
660-45174-14	MW-128	Total/NA	Water	8260C _SIM/ID	
LCS 660-118700/4	Lab Control Sample	Total/NA	Water	8260C _SIM/ID	
MB 660-118700/6	Method Blank	Total/NA	Water	8260C _SIM/ID	

Analysis Batch: 118816

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-45174-11	MW-33	Total/NA	Water	8260C _SIM/ID	
660-45174-15	IWI-2	Total/NA	Water	8260C _SIM/ID	
660-45174-16	MW-57	Total/NA	Water	8260C _SIM/ID	
660-45174-16 MS	MW-57	Total/NA	Water	8260C _SIM/ID	
660-45174-16 MSD	MW-57	Total/NA	Water	8260C _SIM/ID	
660-45174-17	MW-130	Total/NA	Water	8260C _SIM/ID	
660-45174-18	MW-254	Total/NA	Water	8260C _SIM/ID	
660-45174-19	TB-12132011	Total/NA	Water	8260C _SIM/ID	
660-45174-21	MW-85	Total/NA	Water	8260C _SIM/ID	
660-45174-22	MW-81	Total/NA	Water	8260C _SIM/ID	
660-45174-23	MW-158	Total/NA	Water	8260C _SIM/ID	
LCS 660-118816/4	Lab Control Sample	Total/NA	Water	8260C _SIM/ID	
MB 660-118816/6	Method Blank	Total/NA	Water	8260C _SIM/ID	

Analysis Batch: 118855

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-45174-20	MW-44	Total/NA	Water	8260C _SIM/ID	
660-45211-A-24 MS	Matrix Spike	Total/NA	Water	8260C _SIM/ID	
660-45211-A-24 MSD	Matrix Spike Duplicate	Total/NA	Water	8260C _SIM/ID	
LCS 660-118855/4	Lab Control Sample	Total/NA	Water	8260C _SIM/ID	
MB 660-118855/6	Method Blank	Total/NA	Water	8260C _SIM/ID	

Analysis Batch: 118867

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-45162-C-1 DU	Duplicate	Total/NA	Water	8260B	
660-45162-C-2 MS	Matrix Spike	Total/NA	Water	8260B	
660-45174-1	MW-69	Total/NA	Water	8260B	
660-45174-2	MW-71	Total/NA	Water	8260B	
660-45174-3	MW-91	Total/NA	Water	8260B	
660-45174-4	MW-108	Total/NA	Water	8260B	
660-45174-5 - DL	MW-41	Total/NA	Water	8260B	
660-45174-5	MW-41	Total/NA	Water	8260B	

GC/MS VOA (Continued)

Analysis Batch: 118867 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-45174-6	MW-47	Total/NA	Water	8260B	
660-45174-8	MW-68	Total/NA	Water	8260B	
660-45174-9	MW-239	Total/NA	Water	8260B	
660-45174-10	FB-1-12122011	Total/NA	Water	8260B	
660-45174-11 - DL	MW-33	Total/NA	Water	8260B	
660-45174-11	MW-33	Total/NA	Water	8260B	
LCS 660-118867/5	Lab Control Sample	Total/NA	Water	8260B	
MB 660-118867/7	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 118870

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-45174-7	MW-32	Total/NA	Water	8260B	
660-45174-7 MS	MW-32	Total/NA	Water	8260B	
660-45174-7 MSD	MW-32	Total/NA	Water	8260B	
660-45174-12 - DL	MW-134	Total/NA	Water	8260B	
660-45174-12	MW-134	Total/NA	Water	8260B	
660-45174-13 - DL	MW-127	Total/NA	Water	8260B	
660-45174-13	MW-127	Total/NA	Water	8260B	
660-45174-14	MW-128	Total/NA	Water	8260B	
660-45174-15	IWI-2	Total/NA	Water	8260B	
660-45174-16	MW-57	Total/NA	Water	8260B	
660-45174-17	MW-130	Total/NA	Water	8260B	
660-45174-18	MW-254	Total/NA	Water	8260B	
660-45174-19	TB-12132011	Total/NA	Water	8260B	
660-45174-20	MW-44	Total/NA	Water	8260B	
660-45174-21	MW-85	Total/NA	Water	8260B	
660-45174-22	MW-81	Total/NA	Water	8260B	
660-45174-23	MW-158	Total/NA	Water	8260B	
LCS 660-118870/4	Lab Control Sample	Total/NA	Water	8260B	
MB 660-118870/6	Method Blank	Total/NA	Water	8260B	

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: Tallevast SemiAnnual

TestAmerica Job ID: 660-45174-1

Client Sample ID: MW-69 — Lab Sample ID: 660-45174-1

Date Collected: 12/08/11 12:51 — **Matrix: Water**
Date Received: 12/13/11 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C _SIM/ID		1	118700	12/14/11 14:19	AP	TAL TAM
Total/NA	Analysis	8260B		1	118867	12/16/11 00:25	RM	TAL TAM

Client Sample ID: MW-71 — Lab Sample ID: 660-45174-2

Date Collected: 12/07/11 10:34 — **Matrix: Water**
Date Received: 12/13/11 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C _SIM/ID		1	118700	12/14/11 14:41	AP	TAL TAM
Total/NA	Analysis	8260B		1	118867	12/16/11 00:43	RM	TAL TAM

Client Sample ID: MW-91 — Lab Sample ID: 660-45174-3

Date Collected: 12/07/11 14:04 — **Matrix: Water**
Date Received: 12/13/11 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C _SIM/ID		5	118700	12/14/11 18:02	AP	TAL TAM
Total/NA	Analysis	8260B		1	118867	12/16/11 01:00	RM	TAL TAM

Client Sample ID: MW-108 — Lab Sample ID: 660-45174-4

Date Collected: 12/08/11 12:08 — **Matrix: Water**
Date Received: 12/13/11 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C _SIM/ID		1	118700	12/14/11 15:03	AP	TAL TAM
Total/NA	Analysis	8260B		1	118867	12/16/11 01:17	RM	TAL TAM

Client Sample ID: MW-41 — Lab Sample ID: 660-45174-5

Date Collected: 12/08/11 13:51 — **Matrix: Water**
Date Received: 12/13/11 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C _SIM/ID		20	118700	12/14/11 16:55	AP	TAL TAM
Total/NA	Analysis	8260B	DL	10	118867	12/16/11 01:33	RM	TAL TAM
Total/NA	Analysis	8260B		1	118867	12/16/11 03:16	RM	TAL TAM

Client Sample ID: MW-47 — Lab Sample ID: 660-45174-6

Date Collected: 12/12/11 14:49 — **Matrix: Water**
Date Received: 12/13/11 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C _SIM/ID		1	118700	12/14/11 15:24	AP	TAL TAM

Client Sample ID: MW-47 — Lab Sample ID: 660-45174-6

Date Collected: 12/12/11 14:49 — **Matrix: Water**
Date Received: 12/13/11 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	118867	12/16/11 01:51	RM	TAL TAM

Client Sample ID: MW-32 — Lab Sample ID: 660-45174-7

Date Collected: 12/12/11 16:51 — **Matrix: Water**
Date Received: 12/13/11 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C _SIM/ID		1	118700	12/14/11 10:33	AP	TAL TAM
Total/NA	Analysis	8260B		1	118870	12/16/11 16:46	RM	TAL TAM

Client Sample ID: MW-68 — Lab Sample ID: 660-45174-8

Date Collected: 12/12/11 13:24 — **Matrix: Water**
Date Received: 12/13/11 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C _SIM/ID		1	118700	12/14/11 15:46	AP	TAL TAM
Total/NA	Analysis	8260B		1	118867	12/16/11 02:08	RM	TAL TAM

Client Sample ID: MW-239 — Lab Sample ID: 660-45174-9

Date Collected: 12/12/11 14:17 — **Matrix: Water**
Date Received: 12/13/11 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C _SIM/ID		1	118700	12/14/11 16:11	AP	TAL TAM
Total/NA	Analysis	8260B		1	118867	12/16/11 02:25	RM	TAL TAM

Client Sample ID: FB-1-12122011 — Lab Sample ID: 660-45174-10

Date Collected: 12/12/11 14:45 — **Matrix: Water**
Date Received: 12/13/11 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C _SIM/ID		1	118700	12/14/11 09:45	AP	TAL TAM
Total/NA	Analysis	8260B		1	118867	12/16/11 00:08	RM	TAL TAM

Client Sample ID: MW-33 — Lab Sample ID: 660-45174-11

Date Collected: 12/12/11 15:14 — **Matrix: Water**
Date Received: 12/13/11 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C _SIM/ID		1	118816	12/15/11 10:08	AP	TAL TAM
Total/NA	Analysis	8260B	DL	5	118867	12/16/11 02:42	RM	TAL TAM
Total/NA	Analysis	8260B		1	118867	12/16/11 02:59	RM	TAL TAM

Client Sample ID: MW-134 — Lab Sample ID: 660-45174-12

Date Collected: 12/12/11 14:12 — **Matrix: Water**
Date Received: 12/13/11 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C _SIM/ID		10	118700	12/14/11 17:39	AP	TAL TAM
Total/NA	Analysis	8260B	DL	100	118870	12/16/11 18:11	RM	TAL TAM
Total/NA	Analysis	8260B		1	118870	12/16/11 23:01	RM	TAL TAM

Client Sample ID: MW-127 — Lab Sample ID: 660-45174-13

Date Collected: 12/09/11 14:58 — **Matrix: Water**
Date Received: 12/13/11 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C _SIM/ID		20	118700	12/14/11 17:17	AP	TAL TAM
Total/NA	Analysis	8260B	DL	100	118870	12/16/11 18:29	RM	TAL TAM
Total/NA	Analysis	8260B		10	118870	12/16/11 22:44	RM	TAL TAM

Client Sample ID: MW-128 — Lab Sample ID: 660-45174-14

Date Collected: 12/09/11 14:04 — **Matrix: Water**
Date Received: 12/13/11 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C _SIM/ID		1	118700	12/14/11 16:32	AP	TAL TAM
Total/NA	Analysis	8260B		1	118870	12/16/11 18:45	RM	TAL TAM

Client Sample ID: IWI-2 — Lab Sample ID: 660-45174-15

Date Collected: 12/12/11 12:18 — **Matrix: Water**
Date Received: 12/13/11 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C _SIM/ID		1	118816	12/15/11 10:30	AP	TAL TAM
Total/NA	Analysis	8260B		1	118870	12/16/11 19:02	RM	TAL TAM

Client Sample ID: MW-57 — Lab Sample ID: 660-45174-16

Date Collected: 12/09/11 09:45 — **Matrix: Water**
Date Received: 12/13/11 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C _SIM/ID		1	118816	12/15/11 10:52	AP	TAL TAM
Total/NA	Analysis	8260B		1	118870	12/16/11 19:19	RM	TAL TAM

Client Sample ID: MW-130 — Lab Sample ID: 660-45174-17

Date Collected: 12/09/11 10:30 — **Matrix: Water**
Date Received: 12/13/11 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C _SIM/ID		2	118816	12/15/11 16:29	AP	TAL TAM

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: Tallevast SemiAnnual

TestAmerica Job ID: 660-45174-1

Client Sample ID: MW-130 — Lab Sample ID: 660-45174-17

Date Collected: 12/09/11 10:30 — **Matrix: Water**
Date Received: 12/13/11 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	118870	12/16/11 19:36	RM	TAL TAM

Client Sample ID: MW-254 — Lab Sample ID: 660-45174-18

Date Collected: 12/09/11 11:32 — **Matrix: Water**
Date Received: 12/13/11 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C _SIM/ID		1	118816	12/15/11 13:10	AP	TAL TAM
Total/NA	Analysis	8260B		2	118870	12/16/11 23:18	RM	TAL TAM

Client Sample ID: TB-12132011 — Lab Sample ID: 660-45174-19

Date Collected: 12/13/11 10:00 — **Matrix: Water**
Date Received: 12/13/11 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C _SIM/ID		1	118816	12/15/11 09:19	AP	TAL TAM
Total/NA	Analysis	8260B		1	118870	12/16/11 17:54	RM	TAL TAM

Client Sample ID: MW-44 — Lab Sample ID: 660-45174-20

Date Collected: 12/08/11 11:01 — **Matrix: Water**
Date Received: 12/13/11 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C _SIM/ID		1	118855	12/16/11 10:14	AP	TAL TAM
Total/NA	Analysis	8260B		1	118870	12/16/11 20:10	RM	TAL TAM

Client Sample ID: MW-85 — Lab Sample ID: 660-45174-21

Date Collected: 12/07/11 13:00 — **Matrix: Water**
Date Received: 12/13/11 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C _SIM/ID		5	118816	12/15/11 15:46	AP	TAL TAM
Total/NA	Analysis	8260B		1	118870	12/16/11 20:27	RM	TAL TAM

Client Sample ID: MW-81 — Lab Sample ID: 660-45174-22

Date Collected: 12/07/11 15:49 — **Matrix: Water**
Date Received: 12/13/11 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C _SIM/ID		5	118816	12/15/11 16:08	AP	TAL TAM
Total/NA	Analysis	8260B		1	118870	12/16/11 20:44	RM	TAL TAM

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: Tallevast SemiAnnual

TestAmerica Job ID: 660-45174-1

Client Sample ID: MW-158

Date Collected: 12/07/11 14:50
Date Received: 12/13/11 13:00

Lab Sample ID: 660-45174-23

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C _SIM/ID		1	118816	12/15/11 13:32	AP	TAL TAM
Total/NA	Analysis	8260B		1	118870	12/16/11 21:01	RM	TAL TAM

Laboratory References:

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Certification Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast SemiAnnual

TestAmerica Job ID: 660-45174-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Tampa	Alabama	State Program	4	40610
TestAmerica Tampa	Florida	NELAC	4	E84282
TestAmerica Tampa	Georgia	State Program	4	905
TestAmerica Tampa	USDA	USDA		P330-11-00177

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast SemiAnnual

TestAmerica Job ID: 660-45174-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL TAM
8260C _SIM/ID	1,4-Dioxane by SIM/Isotopic Dilution	SW846	TAL TAM

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast SemiAnnual

TestAmerica Job ID: 660-45174-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
660-45174-1	MW-69	Water	12/08/11 12:51	12/13/11 13:00
660-45174-2	MW-71	Water	12/07/11 10:34	12/13/11 13:00
660-45174-3	MW-91	Water	12/07/11 14:04	12/13/11 13:00
660-45174-4	MW-108	Water	12/08/11 12:08	12/13/11 13:00
660-45174-5	MW-41	Water	12/08/11 13:51	12/13/11 13:00
660-45174-6	MW-47	Water	12/12/11 14:49	12/13/11 13:00
660-45174-7	MW-32	Water	12/12/11 16:51	12/13/11 13:00
660-45174-8	MW-68	Water	12/12/11 13:24	12/13/11 13:00
660-45174-9	MW-239	Water	12/12/11 14:17	12/13/11 13:00
660-45174-10	FB-1-12122011	Water	12/12/11 14:45	12/13/11 13:00
660-45174-11	MW-33	Water	12/12/11 15:14	12/13/11 13:00
660-45174-12	MW-134	Water	12/12/11 14:12	12/13/11 13:00
660-45174-13	MW-127	Water	12/09/11 14:58	12/13/11 13:00
660-45174-14	MW-128	Water	12/09/11 14:04	12/13/11 13:00
660-45174-15	IWI-2	Water	12/12/11 12:18	12/13/11 13:00
660-45174-16	MW-57	Water	12/09/11 09:45	12/13/11 13:00
660-45174-17	MW-130	Water	12/09/11 10:30	12/13/11 13:00
660-45174-18	MW-254	Water	12/09/11 11:32	12/13/11 13:00
660-45174-19	TB-12132011	Water	12/13/11 10:00	12/13/11 13:00
660-45174-20	MW-44	Water	12/08/11 11:01	12/13/11 13:00
660-45174-21	MW-85	Water	12/07/11 13:00	12/13/11 13:00
660-45174-22	MW-81	Water	12/07/11 15:49	12/13/11 13:00
660-45174-23	MW-158	Water	12/07/11 14:50	12/13/11 13:00

Tele0-45173

Serial Number 015884

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Tampa
6712 Benjamin Road, Suite 100
Tampa, FL 33634

Website: www.testamericainc.com
Phone: (813) 885-7427
Fax: (813) 885-7049

Alternate Laboratory Name/Location

Phone:
Fax:

PROJECT REFERENCE: Tallevast Semi Annual	PROJECT NO.: B0038055004S	PROJECT LOCATION (STATE): FL
SAMPLER'S SIGNATURE: Amy R Coats	P.O. NUMBER: B0038055004S	CONTRACT NO.: 08002
CLIENT (SITE) PM: Don Sauda	CLIENT PHONE: 315 447 2612	CLIENT FAX: 315 446 5807
CLIENT NAME: Arcadis	CLIENT E-MAIL: donald.sauda@arcadis-us.com	
CLIENT ADDRESS: 1600 Tallevast Road, Sarasota, FL 34243		
COMPANY CONTRACTING THIS WORK (if applicable): LMC		

PAGE 1 OF 2

STANDARD REPORT DELIVERY ( )

DATE DUE _____

EXPEDITED REPORT DELIVERY (SURCHARGE) ( )

DATE DUE _____

NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

REQUIRED ANALYSIS: 8260B, 8260C SIM LD

PRESERVATIVE: HCl

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT...)	NUMBER OF CONTAINERS SUBMITTED	REMARKS
12.12.11	1412	MW.134	G	✓				4	
12.9.11	1458	MW.127	G	✓				4	
12.9.11	1404	MW.128	G	✓				4	
12.12.11	1218	IWI.2	G	✓				4	
12.9.11	0945	MW.57	G	✓				4	
12.9.11	1030	MW.130	G	✓				4	
12.9.11	1132	MW.254	G	✓				4	
12.13.11	1000	TB-12132011	G	✓				2	
12.8.11	1101	MW.44	G	✓				4	
12.7.11	1300	MW.85	G	✓				4	
12.7.11	1549	MW.81	G	✓				4	
12.7.11	1450	MW.158	G	✓				4	

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[illegible]			Amy R Coats	12.13.11	1155			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
Amy R Coats	12.5.11	0800	[illegible]	12-13-11	1155			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	TAMPA LOG NO.	COOLER TEMP. UPON RECEIPT	LABORATORY REMARKS
Carolyn Edwards	12/13/11	13:07	YES ● NO ( )			5.6 CU-07	

TAL8240-660 (0209)

12/29/2011

R625-EDC-002289-0

660-45173

Serial Number 015885

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Tampa
6712 Benjamin Road, Suite 100
Tampa, FL 33634
Website: www.testamericainc.com
Phone: (813) 885-7427
Fax: (813).885-7049

Alternate Laboratory Name/Location
Phone:
Fax:

PROJECT REFERENCE: Tallevast Semi Annual	PROJECT NO.: see pg one	PROJECT LOCATION (STATE)
SAMPLER'S SIGNATURE: Amy R Coats	P.O. NUMBER	CONTRACT NO.
CLIENT (SITE) PM	CLIENT PHONE	CLIENT FAX
CLIENT NAME	CLIENT E-MAIL	
CLIENT ADDRESS		
COMPANY CONTRACTING THIS WORK (if applicable)		

PAGE 2 OF 2

STANDARD REPORT DELIVERY ○
DATE DUE _____
EXPEDITED REPORT DELIVERY (SURCHARGE) ○
DATE DUE _____
NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

REQUIRED ANALYSIS: 8260B, 8260C SIM ID

PRESERVATIVE: HCl

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT...)	NUMBER OF CONTAINERS SUBMITTED	REMARKS
12-8-11	1251	MW-69	G	✓				4	
12-7-11	1034	MW-71	G	✓				4	
12-7-11	1404	MW-91	G	✓				4	
12-8-11	1208	MW-108	G	✓				4	
12-8-11	1351	MW-41	G	✓				4	
12-12-11	1449	MW-47	G	✓				4	
12-12-11	1651	MW-32, MS, MSD	G	✓				12	MS/MSD
12-12-11	1324	MW-68	G	✓				4	
12-12-11	1417	MW-239	G	✓				4	
12-12-11	1445	FB-01-12122011	G	✓				4	FB-01-12122011 AS
12-12-11	1514	MW-33	G	✓				4	

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[illegible]			Amy R Coats	12-13-11	1155			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
Amy R Coats	12-5 12-08-11	0800	[illegible signature]	12-13-11	1155			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	TAMPA LOG NO.	COOLER TEMP. UPON RECEIPT	LABORATORY REMARKS
Cristina Eduardo	12/13/11	13:00	YES ● NO ○			5.6 CW-07	

TAL8240-660 (0209)

12/29/2011

R625-EDC-002289-0

Tele0-45173

Serial Number 015884

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Tampa
6712 Benjamin Road, Suite 100
Tampa, FL 33634

Website: www.testamericainc.com
Phone: (813) 885-7427
Fax: (813) 885-7049

Alternate Laboratory Name/Location

Phone:
Fax:

PROJECT REFERENCE: Tallevast Semi Annual	PROJECT NO.: B0038055004S	PROJECT LOCATION (STATE): FL
SAMPLER'S SIGNATURE: Amy R Coats	P.O. NUMBER: B0038055004S	CONTRACT NO.: 08002
CLIENT (SITE) PM: Don Sauda	CLIENT PHONE: 315 447 2612	CLIENT FAX: 315 446 5807
CLIENT NAME: Arcadis	CLIENT E-MAIL: donald.sauda@arcadis-us.com	
CLIENT ADDRESS: 1600 Tallevast Road, Sarasota, FL 34243		
COMPANY CONTRACTING THIS WORK (if applicable): LMC		

PAGE 1 OF 2

STANDARD REPORT DELIVERY ( )

DATE DUE _____

EXPEDITED REPORT DELIVERY (SURCHARGE) ( )

DATE DUE _____

NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

REQUIRED ANALYSIS: 8260B, 8260C SIM LD

PRESERVATIVE: HCl

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT...)	NUMBER OF CONTAINERS SUBMITTED	REMARKS
12.12.11	1412	MW.134	G	✓				4	
12.9.11	1458	MW.127	G	✓				4	
12.9.11	1404	MW.128	G	✓				4	
12.12.11	1218	IWI.2	G	✓				4	
12.9.11	0945	MW.57	G	✓				4	
12.9.11	1030	MW.130	G	✓				4	
12.9.11	1132	MW.254	G	✓				4	
12.13.11	1000	TB-12132011	G	✓				2	
12.8.11	1101	MW.44	G	✓				4	
12.7.11	1300	MW.85	G	✓				4	
12.7.11	1549	MW.81	G	✓				4	
12.7.11	1450	MW.158	G	✓				4	

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[illegible]			Amy R Coats	12.13.11	1155			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
Amy R Coats	12.5.11	0800	[illegible]	12-13-11	1155			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	TAMPA LOG NO.	COOLER TEMP. UPON RECEIPT	LABORATORY REMARKS
Carolyn Edwards	12/13/11	13:07	YES ● NO ( )			5.6 CU-07	

TAL8240-660 (0209)

12/29/2011

R625-EDC-002289-0

660-45173

Serial Number 015885

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Tampa
6712 Benjamin Road, Suite 100
Tampa, FL 33634
Website: www.testamericainc.com
Phone: (813) 885-7427
Fax: (813).885-7049

Alternate Laboratory Name/Location
Phone:
Fax:

PROJECT REFERENCE: Tallevast Semi Annual	PROJECT NO.: see pg one	PROJECT LOCATION (STATE)
SAMPLER'S SIGNATURE: Amy R Coats	P.O. NUMBER	CONTRACT NO.
CLIENT (SITE) PM	CLIENT PHONE	CLIENT FAX
CLIENT NAME	CLIENT E-MAIL	
CLIENT ADDRESS		
COMPANY CONTRACTING THIS WORK (if applicable)		

PAGE 2 OF 2

STANDARD REPORT DELIVERY ○
DATE DUE _____
EXPEDITED REPORT DELIVERY (SURCHARGE) ○
DATE DUE _____
NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

REQUIRED ANALYSIS: 8260B, 8260C SIM D

PRESERVATIVE: HCl

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT...)	NUMBER OF CONTAINERS SUBMITTED	REMARKS
12-8-11	1251	MW-69	G	✓				4	
12-7-11	1034	MW-71	G	✓				4	
12-7-11	1404	MW-91	G	✓				4	
12-8-11	1208	MW-108	G	✓				4	
12-8-11	1351	MW-41	G	✓				4	
12-12-11	1449	MW-47	G	✓				4	
12-12-11	1651	MW-32, MS, MSD	G	✓				12	MS/MSD
12-12-11	1324	MW-68	G	✓				4	
12-12-11	1417	MW-239	G	✓				4	
12-12-11	1445	FB-01-12122011	G	✓				4	FB-01-12122011 AC
12-12-11	1514	MW-33	G	✓				4	

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[illegible]			Amy R Coats	12-13-11	1155			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
Amy R Coats	12-5 12-08-11	0800	[signature]	12-13-11	1155			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	TAMPA LOG NO.	COOLER TEMP. UPON RECEIPT	LABORATORY REMARKS
Cristina Edwards	12/13/11	13:00	YES ● NO ○			5.6 CW-07	

TAL8240-660 (0209)

12/29/2011

R625-EDC-002289-0

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 660-45174-1

Login Number: 45174
List Number: 1
Creator: Edwards, Erricka

List Source: TestAmerica Tampa

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	5.6c CU-07
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Tampa
6712 Benjamin Road
Suite 100
Tampa, FL 33634
Tel: (813)885-7427

TestAmerica Job ID: 660-45272-1
TestAmerica Sample Delivery Group: 45272
Client Project/Site: Tallevast SemiAnnual

For:
ARCADIS U.S. Inc
6723 Towpath Road
PO BOX 66
Syracuse, New York 13214

Attn: Donald Sauda

Authorized for release by:
12/29/2011 1:23:11 PM

Tina Fritz
Project Manager II
tina.fritz@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates that the compound was analyzed for but not detected.
J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 660-45272-1

Laboratory: TestAmerica Tampa

Narrative

Job Narrative
660-45272-1

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
Method 8260B: A full list spike was utilized for this method. The LCS associated with batch 119168 had 2 analytes outside control limits. The laboratory's SOP allows for 5 analytes to recover outside criteria for this method when a full list spike is utilized. These results have been reported and qualified.

Method 8260B: The matrix spike (MS) recoveries for batch 119168 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method 8260B: The following samples were diluted due to the abundance of target analytes: Dup-01-12132011, Dup-02-12142011, MW-253, and MW-37. Elevated reporting limits (RLs) are provided.

Method 8260B: The initial calibration verification (ICV) for analytical batch 119140 exceeded control criteria for carbon disulfide and vinyl acetate. The data have been qualified and reported.

Method 8260B: The initial calibration verification (ICV) for analytical batch 119020 exceeded control criteria for vinyl acetate. The data have been qualified and reported.

No other analytical or quality issues were noted.

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast SemiAnnual

TestAmerica Job ID: 660-45272-1
SDG: 45272

Client Sample ID: TB-12152011 — Lab Sample ID: 660-45272-1

No Detections

Client Sample ID: Dup-02-12142011 — Lab Sample ID: 660-45272-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	27		5.0	2.6	ug/L	5		8260B	Total/NA
1,1-Dichloroethene	150		5.0	2.3	ug/L	5		8260B	Total/NA
cis-1,2-Dichloroethene	67		5.0	3.3	ug/L	5		8260B	Total/NA
Tetrachloroethene	2.9	I	5.0	2.5	ug/L	5		8260B	Total/NA
Trichloroethene - DL	2300		50	25	ug/L	50		8260B	Total/NA
1,4-Dioxane	170		20	10	ug/L	10		8260C _SIM/ID	Total/NA

Client Sample ID: MW-19 — Lab Sample ID: 660-45272-3

No Detections

Client Sample ID: MW-253 — Lab Sample ID: 660-45272-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	26		10	5.2	ug/L	10		8260B	Total/NA
1,1-Dichloroethene	140		10	4.5	ug/L	10		8260B	Total/NA
cis-1,2-Dichloroethene	66		10	6.5	ug/L	10		8260B	Total/NA
Trichloroethene - DL	2800		100	50	ug/L	100		8260B	Total/NA
1,4-Dioxane	320		20	10	ug/L	10		8260C _SIM/ID	Total/NA

Client Sample ID: MW-63 — Lab Sample ID: 660-45272-5

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	1.7	I	2.0	1.0	ug/L	1		8260C _SIM/ID	Total/NA

Client Sample ID: MW-23 — Lab Sample ID: 660-45272-6

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	3.1		2.0	1.0	ug/L	1		8260C _SIM/ID	Total/NA

Client Sample ID: Dup-01-12132011 — Lab Sample ID: 660-45272-7

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	14		10	5.2	ug/L	10		8260B	Total/NA
1,1-Dichloroethene	64		10	4.5	ug/L	10		8260B	Total/NA
cis-1,2-Dichloroethene	120		10	6.5	ug/L	10		8260B	Total/NA
Trichloroethene - DL	3800		100	50	ug/L	100		8260B	Total/NA
1,4-Dioxane	150		20	10	ug/L	10		8260C _SIM/ID	Total/NA

Client Sample ID: MW-35 — Lab Sample ID: 660-45272-8

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.5		1.0	0.52	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	3.4		1.0	0.45	ug/L	1		8260B	Total/NA
Tetrachloroethene	15		1.0	0.50	ug/L	1		8260B	Total/NA
Trichloroethene	6.7		1.0	0.50	ug/L	1		8260B	Total/NA
1,4-Dioxane	1.3	I	2.0	1.0	ug/L	1		8260C _SIM/ID	Total/NA

Client Sample ID: MW-80 — Lab Sample ID: 660-45272-9

Client Sample ID: MW-80 (Continued) — Lab Sample ID: 660-45272-9

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	3.0		1.0	0.52	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	50		1.0	0.45	ug/L	1		8260B	Total/NA
Chlorobenzene	2.0		1.0	0.63	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	2.7		1.0	0.65	ug/L	1		8260B	Total/NA
Tetrachloroethene	1.1		1.0	0.50	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	1.1		1.0	0.44	ug/L	1		8260B	Total/NA
Trichloroethene	4.6		1.0	0.50	ug/L	1		8260B	Total/NA
1,4-Dioxane	13		2.0	1.0	ug/L	1		8260C _SIM/ID	Total/NA

Client Sample ID: MW-98 — Lab Sample ID: 660-45272-10

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	110		1.0	0.52	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	2.9		1.0	0.65	ug/L	1		8260B	Total/NA
Tetrachloroethene	10		1.0	0.50	ug/L	1		8260B	Total/NA
Trichloroethene	37		1.0	0.50	ug/L	1		8260B	Total/NA
1,1-Dichloroethene - DL	220		10	4.5	ug/L	10		8260B	Total/NA
1,4-Dioxane	540		20	10	ug/L	10		8260C _SIM/ID	Total/NA

Client Sample ID: MW-72 — Lab Sample ID: 660-45272-11

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	8.8		1.0	0.50	ug/L	1		8260B	Total/NA

Client Sample ID: MW-100 — Lab Sample ID: 660-45272-12

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	4.5		1.0	0.52	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	2.0		1.0	0.45	ug/L	1		8260B	Total/NA
1,4-Dioxane	22		2.0	1.0	ug/L	1		8260C _SIM/ID	Total/NA

Client Sample ID: MW-37 — Lab Sample ID: 660-45272-13

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	18		5.0	2.6	ug/L	5		8260B	Total/NA
1,1-Dichloroethene	89		5.0	2.3	ug/L	5		8260B	Total/NA
cis-1,2-Dichloroethene	160		5.0	3.3	ug/L	5		8260B	Total/NA
Tetrachloroethene	2.6	I	5.0	2.5	ug/L	5		8260B	Total/NA
Vinyl chloride	2.8	I	5.0	2.5	ug/L	5		8260B	Total/NA
Trichloroethene - DL	3600		50	25	ug/L	50		8260B	Total/NA
1,4-Dioxane	360		20	10	ug/L	10		8260C _SIM/ID	Total/NA

Client Sample ID: FB-02-12132011 — Lab Sample ID: 660-45272-14

No Detections

Client Sample ID: MW-43 — Lab Sample ID: 660-45272-15

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	11		1.0	0.52	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	35		1.0	0.45	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	16		1.0	0.65	ug/L	1		8260B	Total/NA
Trichloroethene	65		1.0	0.50	ug/L	1		8260B	Total/NA
1,4-Dioxane	310		20	10	ug/L	10		8260C _SIM/ID	Total/NA

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast SemiAnnual

TestAmerica Job ID: 660-45272-1
SDG: 45272

Client Sample ID: MW-42 — Lab Sample ID: 660-45272-16

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	41		1.0	0.52	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	19		1.0	0.65	ug/L	1		8260B	Total/NA
Tetrachloroethene	17		1.0	0.50	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	0.67	I	1.0	0.44	ug/L	1		8260B	Total/NA
Vinyl chloride	0.74	I	1.0	0.50	ug/L	1		8260B	Total/NA
Trichloroethene - DL	450		10	5.0	ug/L	10		8260B	Total/NA
1,4-Dioxane	34		2.0	1.0	ug/L	1		8260C _SIM/ID	Total/NA

Client Sample ID: MW-36 — Lab Sample ID: 660-45272-17

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	1.6		1.0	0.50	ug/L	1		8260B	Total/NA
Trichloroethene	19		1.0	0.50	ug/L	1		8260B	Total/NA

Client Sample ID: MW-40 — Lab Sample ID: 660-45272-18

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	3.4		1.0	0.52	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	2.7		1.0	0.45	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	2.3		1.0	0.65	ug/L	1		8260B	Total/NA
Tetrachloroethene	60		1.0	0.50	ug/L	1		8260B	Total/NA
Trichloroethene	140		1.0	0.50	ug/L	1		8260B	Total/NA
1,4-Dioxane	10		2.0	1.0	ug/L	1		8260C _SIM/ID	Total/NA

Client: ARCADIS U.S. Inc
Project/Site: Tallevast SemiAnnual

TestAmerica Job ID: 660-45272-1
SDG: 45272

Client Sample ID: TB-12152011
Date Collected: 12/15/11 12:00
Date Received: 12/16/11 15:00

Lab Sample ID: 660-45272-1
Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			12/23/11 09:27	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			12/23/11 09:27	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			12/23/11 09:27	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			12/23/11 09:27	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			12/23/11 09:27	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			12/23/11 09:27	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			12/23/11 09:27	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			12/23/11 09:27	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			12/23/11 09:27	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			12/23/11 09:27	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			12/23/11 09:27	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			12/23/11 09:27	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			12/23/11 09:27	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			12/23/11 09:27	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			12/23/11 09:27	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			12/23/11 09:27	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			12/23/11 09:27	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			12/23/11 09:27	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/23/11 09:27	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			12/23/11 09:27	1
2-Hexanone	4.4	U	10	4.4	ug/L			12/23/11 09:27	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			12/23/11 09:27	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			12/23/11 09:27	1
Acetone	9.9	U	20	9.9	ug/L			12/23/11 09:27	1
Benzene	0.50	U	1.0	0.50	ug/L			12/23/11 09:27	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			12/23/11 09:27	1
Bromoform	0.58	U	1.0	0.58	ug/L			12/23/11 09:27	1
Bromomethane	2.5	U	5.0	2.5	ug/L			12/23/11 09:27	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			12/23/11 09:27	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			12/23/11 09:27	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			12/23/11 09:27	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			12/23/11 09:27	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			12/23/11 09:27	1
Chloroethane	2.5	U	5.0	2.5	ug/L			12/23/11 09:27	1
Chloroform	0.90	U	1.0	0.90	ug/L			12/23/11 09:27	1
Chloromethane	1.0	U	4.0	1.0	ug/L			12/23/11 09:27	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			12/23/11 09:27	1
cis-1,3-Dichloropropene	0.14	U J3	1.0	0.14	ug/L			12/23/11 09:27	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			12/23/11 09:27	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			12/23/11 09:27	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			12/23/11 09:27	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			12/23/11 09:27	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			12/23/11 09:27	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			12/23/11 09:27	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			12/23/11 09:27	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			12/23/11 09:27	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			12/23/11 09:27	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			12/23/11 09:27	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			12/23/11 09:27	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			12/23/11 09:27	1

Client Sample ID: TB-12152011

Lab Sample ID: 660-45272-1

Date Collected: 12/15/11 12:00
Matrix: Water
Date Received: 12/16/11 15:00

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			12/23/11 09:27	1
Naphthalene	2.5	U	5.0	2.5	ug/L			12/23/11 09:27	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			12/23/11 09:27	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			12/23/11 09:27	1
o-Xylene	0.50	U	1.0	0.50	ug/L			12/23/11 09:27	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			12/23/11 09:27	1
Styrene	0.98	U	2.0	0.98	ug/L			12/23/11 09:27	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			12/23/11 09:27	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			12/23/11 09:27	1
Toluene	0.51	U	1.0	0.51	ug/L			12/23/11 09:27	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			12/23/11 09:27	1
trans-1,3-Dichloropropene	0.14	U J3	1.0	0.14	ug/L			12/23/11 09:27	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			12/23/11 09:27	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			12/23/11 09:27	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/23/11 09:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*70 - 130*		*12/23/11 09:27*	*1*
Dibromofluoromethane	*103*		*70 - 130*		*12/23/11 09:27*	*1*
Toluene-d8 (Surr)	*92*		*70 - 130*		*12/23/11 09:27*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			12/28/11 02:13	1

Client Sample ID: Dup-02-12142011

Lab Sample ID: 660-45272-2

Date Collected: 12/14/11 00:00
Matrix: Water
Date Received: 12/16/11 15:00

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	2.3	U	5.0	2.3	ug/L			12/23/11 16:57	5
1,1,2,2-Tetrachloroethane	0.75	U	5.0	0.75	ug/L			12/23/11 16:57	5
1,1,2-Trichloroethane	2.4	U	5.0	2.4	ug/L			12/23/11 16:57	5
1,1-Dichloroethane	**27**		5.0	2.6	ug/L			12/23/11 16:57	5
1,1-Dichloroethene	**150**		5.0	2.3	ug/L			12/23/11 16:57	5
1,1-Dichloropropene	1.6	U	5.0	1.6	ug/L			12/23/11 16:57	5
1,2,3-Trichlorobenzene	3.9	U	5.0	3.9	ug/L			12/23/11 16:57	5
1,2,3-Trichloropropane	0.90	U	5.0	0.90	ug/L			12/23/11 16:57	5
1,2,4-Trichlorobenzene	2.9	U	5.0	2.9	ug/L			12/23/11 16:57	5
1,2,4-Trimethylbenzene	4.3	U	5.0	4.3	ug/L			12/23/11 16:57	5
1,2-Dibromo-3-Chloropropane	13	U	25	13	ug/L			12/23/11 16:57	5
1,2-Dichlorobenzene	2.2	U	5.0	2.2	ug/L			12/23/11 16:57	5
1,2-Dichloroethane	2.9	U	5.0	2.9	ug/L			12/23/11 16:57	5
1,2-Dichloropropane	2.6	U	5.0	2.6	ug/L			12/23/11 16:57	5
1,3,5-Trimethylbenzene	2.7	U	5.0	2.7	ug/L			12/23/11 16:57	5
1,3-Dichlorobenzene	3.2	U	5.0	3.2	ug/L			12/23/11 16:57	5
1,3-Dichloropropane	2.0	U	5.0	2.0	ug/L			12/23/11 16:57	5
1,4-Dichlorobenzene	2.6	U	5.0	2.6	ug/L			12/23/11 16:57	5
2,2-Dichloropropane	1.8	U	5.0	1.8	ug/L			12/23/11 16:57	5

Client: ARCADIS U.S. Inc
Project/Site: Tallevast SemiAnnual

TestAmerica Job ID: 660-45272-1
SDG: 45272

Client Sample ID: Dup-02-12142011
Date Collected: 12/14/11 00:00
Date Received: 12/16/11 15:00

Lab Sample ID: 660-45272-2
Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorotoluene	3.3	U	5.0	3.3	ug/L			12/23/11 16:57	5
2-Hexanone	22	U	50	22	ug/L			12/23/11 16:57	5
4-Chlorotoluene	2.6	U	5.0	2.6	ug/L			12/23/11 16:57	5
4-Isopropyltoluene	3.5	U	5.0	3.5	ug/L			12/23/11 16:57	5
Acetone	50	U	100	50	ug/L			12/23/11 16:57	5
Benzene	2.5	U	5.0	2.5	ug/L			12/23/11 16:57	5
Bromobenzene	2.9	U	5.0	2.9	ug/L			12/23/11 16:57	5
Bromoform	2.9	U	5.0	2.9	ug/L			12/23/11 16:57	5
Bromomethane	13	U	25	13	ug/L			12/23/11 16:57	5
Carbon disulfide	5.0	U	10	5.0	ug/L			12/23/11 16:57	5
Carbon tetrachloride	2.1	U	5.0	2.1	ug/L			12/23/11 16:57	5
Chlorobenzene	3.2	U	5.0	3.2	ug/L			12/23/11 16:57	5
Chlorobromomethane	2.9	U	5.0	2.9	ug/L			12/23/11 16:57	5
Chlorodibromomethane	1.7	U	5.0	1.7	ug/L			12/23/11 16:57	5
Chloroethane	13	U	25	13	ug/L			12/23/11 16:57	5
Chloroform	4.5	U	5.0	4.5	ug/L			12/23/11 16:57	5
Chloromethane	5.0	U	20	5.0	ug/L			12/23/11 16:57	5
cis-1,2-Dichloroethene	**67**		5.0	3.3	ug/L			12/23/11 16:57	5
cis-1,3-Dichloropropene	0.70	U J3	5.0	0.70	ug/L			12/23/11 16:57	5
Dibromomethane	2.1	U	5.0	2.1	ug/L			12/23/11 16:57	5
Dichlorobromomethane	1.8	U	5.0	1.8	ug/L			12/23/11 16:57	5
Dichlorodifluoromethane	13	U	25	13	ug/L			12/23/11 16:57	5
Ethylbenzene	2.2	U	5.0	2.2	ug/L			12/23/11 16:57	5
Ethylene Dibromide	2.5	U	5.0	2.5	ug/L			12/23/11 16:57	5
Hexachlorobutadiene	2.0	U	5.0	2.0	ug/L			12/23/11 16:57	5
Isopropylbenzene	0.95	U	5.0	0.95	ug/L			12/23/11 16:57	5
2-Butanone (MEK)	42	U	50	42	ug/L			12/23/11 16:57	5
4-Methyl-2-pentanone (MIBK)	19	U	50	19	ug/L			12/23/11 16:57	5
Methyl tert-butyl ether	2.2	U	5.0	2.2	ug/L			12/23/11 16:57	5
1,1,1,2-Tetrachloroethane	3.2	U	5.0	3.2	ug/L			12/23/11 16:57	5
Methylene Chloride	20	U	25	20	ug/L			12/23/11 16:57	5
m-Xylene & p-Xylene	3.0	U	10	3.0	ug/L			12/23/11 16:57	5
Naphthalene	13	U	25	13	ug/L			12/23/11 16:57	5
n-Butylbenzene	3.4	U	5.0	3.4	ug/L			12/23/11 16:57	5
N-Propylbenzene	3.0	U	5.0	3.0	ug/L			12/23/11 16:57	5
o-Xylene	2.5	U	5.0	2.5	ug/L			12/23/11 16:57	5
sec-Butylbenzene	3.2	U	5.0	3.2	ug/L			12/23/11 16:57	5
Styrene	4.9	U	10	4.9	ug/L			12/23/11 16:57	5
tert-Butylbenzene	4.2	U	5.0	4.2	ug/L			12/23/11 16:57	5
Tetrachloroethene	**2.9**	**I**	5.0	2.5	ug/L			12/23/11 16:57	5
Toluene	2.6	U	5.0	2.6	ug/L			12/23/11 16:57	5
trans-1,2-Dichloroethene	2.2	U	5.0	2.2	ug/L			12/23/11 16:57	5
trans-1,3-Dichloropropene	0.70	U J3	5.0	0.70	ug/L			12/23/11 16:57	5
Trichlorofluoromethane	13	U	25	13	ug/L			12/23/11 16:57	5
Vinyl chloride	2.5	U	5.0	2.5	ug/L			12/23/11 16:57	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*89*		*70 - 130*		*12/23/11 16:57*	*5*
Dibromofluoromethane	*103*		*70 - 130*		*12/23/11 16:57*	*5*
Toluene-d8 (Surr)	*93*		*70 - 130*		*12/23/11 16:57*	*5*

Client Sample ID: Dup-02-12142011

Lab Sample ID: 660-45272-2

Date Collected: 12/14/11 00:00
Date Received: 12/16/11 15:00

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	2300		50	25	ug/L			12/23/11 11:31	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*88*		*70 - 130*		*12/23/11 11:31*	*50*
Dibromofluoromethane	*103*		*70 - 130*		*12/23/11 11:31*	*50*
Toluene-d8 (Surr)	*94*		*70 - 130*		*12/23/11 11:31*	*50*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	170		20	10	ug/L			12/22/11 16:53	10

Client Sample ID: MW-19

Lab Sample ID: 660-45272-3

Date Collected: 12/14/11 15:25
Date Received: 12/16/11 15:00

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			12/23/11 13:39	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			12/23/11 13:39	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			12/23/11 13:39	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			12/23/11 13:39	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			12/23/11 13:39	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			12/23/11 13:39	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			12/23/11 13:39	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			12/23/11 13:39	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			12/23/11 13:39	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			12/23/11 13:39	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			12/23/11 13:39	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			12/23/11 13:39	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			12/23/11 13:39	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			12/23/11 13:39	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			12/23/11 13:39	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			12/23/11 13:39	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			12/23/11 13:39	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			12/23/11 13:39	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/23/11 13:39	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			12/23/11 13:39	1
2-Hexanone	4.4	U	10	4.4	ug/L			12/23/11 13:39	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			12/23/11 13:39	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			12/23/11 13:39	1
Acetone	9.9	U	20	9.9	ug/L			12/23/11 13:39	1
Benzene	0.50	U	1.0	0.50	ug/L			12/23/11 13:39	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			12/23/11 13:39	1
Bromoform	0.58	U	1.0	0.58	ug/L			12/23/11 13:39	1
Bromomethane	2.5	U	5.0	2.5	ug/L			12/23/11 13:39	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			12/23/11 13:39	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			12/23/11 13:39	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			12/23/11 13:39	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			12/23/11 13:39	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			12/23/11 13:39	1

Client Sample ID: MW-19

Lab Sample ID: 660-45272-3

Date Collected: 12/14/11 15:25
Matrix: Water
Date Received: 12/16/11 15:00

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	2.5	U	5.0	2.5	ug/L			12/23/11 13:39	1
Chloroform	0.90	U	1.0	0.90	ug/L			12/23/11 13:39	1
Chloromethane	1.0	U	4.0	1.0	ug/L			12/23/11 13:39	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			12/23/11 13:39	1
cis-1,3-Dichloropropene	0.14	U J3	1.0	0.14	ug/L			12/23/11 13:39	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			12/23/11 13:39	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			12/23/11 13:39	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			12/23/11 13:39	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			12/23/11 13:39	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			12/23/11 13:39	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			12/23/11 13:39	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			12/23/11 13:39	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			12/23/11 13:39	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			12/23/11 13:39	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			12/23/11 13:39	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			12/23/11 13:39	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			12/23/11 13:39	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			12/23/11 13:39	1
Naphthalene	2.5	U	5.0	2.5	ug/L			12/23/11 13:39	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			12/23/11 13:39	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			12/23/11 13:39	1
o-Xylene	0.50	U	1.0	0.50	ug/L			12/23/11 13:39	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			12/23/11 13:39	1
Styrene	0.98	U	2.0	0.98	ug/L			12/23/11 13:39	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			12/23/11 13:39	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			12/23/11 13:39	1
Toluene	0.51	U	1.0	0.51	ug/L			12/23/11 13:39	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			12/23/11 13:39	1
trans-1,3-Dichloropropene	0.14	U J3	1.0	0.14	ug/L			12/23/11 13:39	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			12/23/11 13:39	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			12/23/11 13:39	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/23/11 13:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*70 - 130*		*12/23/11 13:39*	*1*
Dibromofluoromethane	*102*		*70 - 130*		*12/23/11 13:39*	*1*
Toluene-d8 (Surr)	*93*		*70 - 130*		*12/23/11 13:39*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			12/22/11 07:41	1

Client Sample ID: MW-253

Lab Sample ID: 660-45272-4

Date Collected: 12/14/11 11:15
Matrix: Water
Date Received: 12/16/11 15:00

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.6	U	10	4.6	ug/L			12/23/11 16:39	10
1,1,2,2-Tetrachloroethane	1.5	U	10	1.5	ug/L			12/23/11 16:39	10

Client: ARCADIS U.S. Inc
Project/Site: Tallevast SemiAnnual

TestAmerica Job ID: 660-45272-1
SDG: 45272

Client Sample ID: MW-253
Date Collected: 12/14/11 11:15
Date Received: 12/16/11 15:00

Lab Sample ID: 660-45272-4
Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	4.7	U	10	4.7	ug/L			12/23/11 16:39	10
1,1-Dichloroethane	**26**		10	5.2	ug/L			12/23/11 16:39	10
1,1-Dichloroethene	**140**		10	4.5	ug/L			12/23/11 16:39	10
1,1-Dichloropropene	3.1	U	10	3.1	ug/L			12/23/11 16:39	10
1,2,3-Trichlorobenzene	7.7	U	10	7.7	ug/L			12/23/11 16:39	10
1,2,3-Trichloropropane	1.8	U	10	1.8	ug/L			12/23/11 16:39	10
1,2,4-Trichlorobenzene	5.8	U	10	5.8	ug/L			12/23/11 16:39	10
1,2,4-Trimethylbenzene	8.6	U	10	8.6	ug/L			12/23/11 16:39	10
1,2-Dibromo-3-Chloropropane	25	U	50	25	ug/L			12/23/11 16:39	10
1,2-Dichlorobenzene	4.4	U	10	4.4	ug/L			12/23/11 16:39	10
1,2-Dichloroethane	5.7	U	10	5.7	ug/L			12/23/11 16:39	10
1,2-Dichloropropane	5.2	U	10	5.2	ug/L			12/23/11 16:39	10
1,3,5-Trimethylbenzene	5.4	U	10	5.4	ug/L			12/23/11 16:39	10
1,3-Dichlorobenzene	6.4	U	10	6.4	ug/L			12/23/11 16:39	10
1,3-Dichloropropane	3.9	U	10	3.9	ug/L			12/23/11 16:39	10
1,4-Dichlorobenzene	5.2	U	10	5.2	ug/L			12/23/11 16:39	10
2,2-Dichloropropane	3.6	U	10	3.6	ug/L			12/23/11 16:39	10
2-Chlorotoluene	6.5	U	10	6.5	ug/L			12/23/11 16:39	10
2-Hexanone	44	U	100	44	ug/L			12/23/11 16:39	10
4-Chlorotoluene	5.2	U	10	5.2	ug/L			12/23/11 16:39	10
4-Isopropyltoluene	6.9	U	10	6.9	ug/L			12/23/11 16:39	10
Acetone	99	U	200	99	ug/L			12/23/11 16:39	10
Benzene	5.0	U	10	5.0	ug/L			12/23/11 16:39	10
Bromobenzene	5.8	U	10	5.8	ug/L			12/23/11 16:39	10
Bromoform	5.8	U	10	5.8	ug/L			12/23/11 16:39	10
Bromomethane	25	U	50	25	ug/L			12/23/11 16:39	10
Carbon disulfide	10	U	20	10	ug/L			12/23/11 16:39	10
Carbon tetrachloride	4.2	U	10	4.2	ug/L			12/23/11 16:39	10
Chlorobenzene	6.3	U	10	6.3	ug/L			12/23/11 16:39	10
Chlorobromomethane	5.8	U	10	5.8	ug/L			12/23/11 16:39	10
Chlorodibromomethane	3.4	U	10	3.4	ug/L			12/23/11 16:39	10
Chloroethane	25	U	50	25	ug/L			12/23/11 16:39	10
Chloroform	9.0	U	10	9.0	ug/L			12/23/11 16:39	10
Chloromethane	10	U	40	10	ug/L			12/23/11 16:39	10
cis-1,2-Dichloroethene	**66**		10	6.5	ug/L			12/23/11 16:39	10
cis-1,3-Dichloropropene	1.4	U J3	10	1.4	ug/L			12/23/11 16:39	10
Dibromomethane	4.1	U	10	4.1	ug/L			12/23/11 16:39	10
Dichlorobromomethane	3.5	U	10	3.5	ug/L			12/23/11 16:39	10
Dichlorodifluoromethane	25	U	50	25	ug/L			12/23/11 16:39	10
Ethylbenzene	4.4	U	10	4.4	ug/L			12/23/11 16:39	10
Ethylene Dibromide	5.0	U	10	5.0	ug/L			12/23/11 16:39	10
Hexachlorobutadiene	4.0	U	10	4.0	ug/L			12/23/11 16:39	10
Isopropylbenzene	1.9	U	10	1.9	ug/L			12/23/11 16:39	10
2-Butanone (MEK)	84	U	100	84	ug/L			12/23/11 16:39	10
4-Methyl-2-pentanone (MIBK)	38	U	100	38	ug/L			12/23/11 16:39	10
Methyl tert-butyl ether	4.4	U	10	4.4	ug/L			12/23/11 16:39	10
1,1,1,2-Tetrachloroethane	6.3	U	10	6.3	ug/L			12/23/11 16:39	10
Methylene Chloride	40	U	50	40	ug/L			12/23/11 16:39	10
m-Xylene & p-Xylene	6.0	U	20	6.0	ug/L			12/23/11 16:39	10
Naphthalene	25	U	50	25	ug/L			12/23/11 16:39	10

Client Sample ID: MW-253

Lab Sample ID: 660-45272-4

Date Collected: 12/14/11 11:15
Date Received: 12/16/11 15:00

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	6.7	U	10	6.7	ug/L			12/23/11 16:39	10
N-Propylbenzene	5.9	U	10	5.9	ug/L			12/23/11 16:39	10
o-Xylene	5.0	U	10	5.0	ug/L			12/23/11 16:39	10
sec-Butylbenzene	6.3	U	10	6.3	ug/L			12/23/11 16:39	10
Styrene	9.8	U	20	9.8	ug/L			12/23/11 16:39	10
tert-Butylbenzene	8.4	U	10	8.4	ug/L			12/23/11 16:39	10
Tetrachloroethene	5.0	U	10	5.0	ug/L			12/23/11 16:39	10
Toluene	5.1	U	10	5.1	ug/L			12/23/11 16:39	10
trans-1,2-Dichloroethene	4.4	U	10	4.4	ug/L			12/23/11 16:39	10
trans-1,3-Dichloropropene	1.4	U J3	10	1.4	ug/L			12/23/11 16:39	10
Trichlorofluoromethane	25	U	50	25	ug/L			12/23/11 16:39	10
Vinyl chloride	5.0	U	10	5.0	ug/L			12/23/11 16:39	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*89*		*70 - 130*		*12/23/11 16:39*	*10*
Dibromofluoromethane	*100*		*70 - 130*		*12/23/11 16:39*	*10*
Toluene-d8 (Surr)	*94*		*70 - 130*		*12/23/11 16:39*	*10*

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	**2800**		100	50	ug/L			12/23/11 11:10	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*89*		*70 - 130*		*12/23/11 11:10*	*100*
Dibromofluoromethane	*103*		*70 - 130*		*12/23/11 11:10*	*100*
Toluene-d8 (Surr)	*94*		*70 - 130*		*12/23/11 11:10*	*100*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**320**		20	10	ug/L			12/22/11 08:04	10

Client Sample ID: MW-63

Lab Sample ID: 660-45272-5

Date Collected: 12/13/11 13:13
Date Received: 12/16/11 15:00

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			12/23/11 13:57	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			12/23/11 13:57	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			12/23/11 13:57	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			12/23/11 13:57	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			12/23/11 13:57	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			12/23/11 13:57	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			12/23/11 13:57	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			12/23/11 13:57	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			12/23/11 13:57	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			12/23/11 13:57	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			12/23/11 13:57	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			12/23/11 13:57	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			12/23/11 13:57	1

Client Sample ID: MW-63

Date Collected: 12/13/11 13:13
Date Received: 12/16/11 15:00

Lab Sample ID: 660-45272-5

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			12/23/11 13:57	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			12/23/11 13:57	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			12/23/11 13:57	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			12/23/11 13:57	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			12/23/11 13:57	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/23/11 13:57	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			12/23/11 13:57	1
2-Hexanone	4.4	U	10	4.4	ug/L			12/23/11 13:57	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			12/23/11 13:57	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			12/23/11 13:57	1
Acetone	9.9	U	20	9.9	ug/L			12/23/11 13:57	1
Benzene	0.50	U	1.0	0.50	ug/L			12/23/11 13:57	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			12/23/11 13:57	1
Bromoform	0.58	U	1.0	0.58	ug/L			12/23/11 13:57	1
Bromomethane	2.5	U	5.0	2.5	ug/L			12/23/11 13:57	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			12/23/11 13:57	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			12/23/11 13:57	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			12/23/11 13:57	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			12/23/11 13:57	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			12/23/11 13:57	1
Chloroethane	2.5	U	5.0	2.5	ug/L			12/23/11 13:57	1
Chloroform	0.90	U	1.0	0.90	ug/L			12/23/11 13:57	1
Chloromethane	1.0	U	4.0	1.0	ug/L			12/23/11 13:57	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			12/23/11 13:57	1
cis-1,3-Dichloropropene	0.14	U J3	1.0	0.14	ug/L			12/23/11 13:57	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			12/23/11 13:57	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			12/23/11 13:57	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			12/23/11 13:57	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			12/23/11 13:57	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			12/23/11 13:57	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			12/23/11 13:57	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			12/23/11 13:57	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			12/23/11 13:57	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			12/23/11 13:57	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			12/23/11 13:57	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			12/23/11 13:57	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			12/23/11 13:57	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			12/23/11 13:57	1
Naphthalene	2.5	U	5.0	2.5	ug/L			12/23/11 13:57	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			12/23/11 13:57	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			12/23/11 13:57	1
o-Xylene	0.50	U	1.0	0.50	ug/L			12/23/11 13:57	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			12/23/11 13:57	1
Styrene	0.98	U	2.0	0.98	ug/L			12/23/11 13:57	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			12/23/11 13:57	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			12/23/11 13:57	1
Toluene	0.51	U	1.0	0.51	ug/L			12/23/11 13:57	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			12/23/11 13:57	1
trans-1,3-Dichloropropene	0.14	U J3	1.0	0.14	ug/L			12/23/11 13:57	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			12/23/11 13:57	1

Client Sample ID: MW-63

Lab Sample ID: 660-45272-5

Date Collected: 12/13/11 13:13
Date Received: 12/16/11 15:00

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			12/23/11 13:57	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/23/11 13:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*89*		*70 - 130*		*12/23/11 13:57*	*1*
Dibromofluoromethane	*102*		*70 - 130*		*12/23/11 13:57*	*1*
Toluene-d8 (Surr)	*94*		*70 - 130*		*12/23/11 13:57*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**1.7**	**I**	2.0	1.0	ug/L			12/22/11 08:26	1

Client Sample ID: MW-23

Lab Sample ID: 660-45272-6

Date Collected: 12/13/11 11:03
Date Received: 12/16/11 15:00

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			12/23/11 12:26	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			12/23/11 12:26	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			12/23/11 12:26	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			12/23/11 12:26	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			12/23/11 12:26	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			12/23/11 12:26	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			12/23/11 12:26	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			12/23/11 12:26	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			12/23/11 12:26	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			12/23/11 12:26	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			12/23/11 12:26	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			12/23/11 12:26	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			12/23/11 12:26	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			12/23/11 12:26	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			12/23/11 12:26	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			12/23/11 12:26	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			12/23/11 12:26	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			12/23/11 12:26	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/23/11 12:26	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			12/23/11 12:26	1
2-Hexanone	4.4	U	10	4.4	ug/L			12/23/11 12:26	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			12/23/11 12:26	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			12/23/11 12:26	1
Acetone	9.9	U	20	9.9	ug/L			12/23/11 12:26	1
Benzene	0.50	U	1.0	0.50	ug/L			12/23/11 12:26	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			12/23/11 12:26	1
Bromoform	0.58	U	1.0	0.58	ug/L			12/23/11 12:26	1
Bromomethane	2.5	U	5.0	2.5	ug/L			12/23/11 12:26	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			12/23/11 12:26	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			12/23/11 12:26	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			12/23/11 12:26	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			12/23/11 12:26	1

Client Sample ID: MW-23

Lab Sample ID: 660-45272-6

Date Collected: 12/13/11 11:03
Date Received: 12/16/11 15:00

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			12/23/11 12:26	1
Chloroethane	2.5	U	5.0	2.5	ug/L			12/23/11 12:26	1
Chloroform	0.90	U	1.0	0.90	ug/L			12/23/11 12:26	1
Chloromethane	1.0	U	4.0	1.0	ug/L			12/23/11 12:26	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			12/23/11 12:26	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/23/11 12:26	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			12/23/11 12:26	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			12/23/11 12:26	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			12/23/11 12:26	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			12/23/11 12:26	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			12/23/11 12:26	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			12/23/11 12:26	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			12/23/11 12:26	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			12/23/11 12:26	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			12/23/11 12:26	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			12/23/11 12:26	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			12/23/11 12:26	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			12/23/11 12:26	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			12/23/11 12:26	1
Naphthalene	2.5	U	5.0	2.5	ug/L			12/23/11 12:26	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			12/23/11 12:26	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			12/23/11 12:26	1
o-Xylene	0.50	U	1.0	0.50	ug/L			12/23/11 12:26	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			12/23/11 12:26	1
Styrene	0.98	U	2.0	0.98	ug/L			12/23/11 12:26	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			12/23/11 12:26	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			12/23/11 12:26	1
Toluene	0.51	U	1.0	0.51	ug/L			12/23/11 12:26	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			12/23/11 12:26	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/23/11 12:26	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			12/23/11 12:26	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			12/23/11 12:26	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/23/11 12:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*70 - 130*		*12/23/11 12:26*	*1*
Dibromofluoromethane	*100*		*70 - 130*		*12/23/11 12:26*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*12/23/11 12:26*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**3.1**		2.0	1.0	ug/L			12/23/11 09:41	1

Client Sample ID: Dup-01-12132011

Lab Sample ID: 660-45272-7

Date Collected: 12/13/11 00:00
Date Received: 12/16/11 15:00

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.6	U	10	4.6	ug/L			12/23/11 16:21	10

Client Sample ID: Dup-01-12132011

Date Collected: 12/13/11 00:00
Date Received: 12/16/11 15:00

Lab Sample ID: 660-45272-7

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	1.5	U	10	1.5	ug/L			12/23/11 16:21	10
1,1,2-Trichloroethane	4.7	U	10	4.7	ug/L			12/23/11 16:21	10
1,1-Dichloroethane	**14**		10	5.2	ug/L			12/23/11 16:21	10
1,1-Dichloroethene	**64**		10	4.5	ug/L			12/23/11 16:21	10
1,1-Dichloropropene	3.1	U	10	3.1	ug/L			12/23/11 16:21	10
1,2,3-Trichlorobenzene	7.7	U	10	7.7	ug/L			12/23/11 16:21	10
1,2,3-Trichloropropane	1.8	U	10	1.8	ug/L			12/23/11 16:21	10
1,2,4-Trichlorobenzene	5.8	U	10	5.8	ug/L			12/23/11 16:21	10
1,2,4-Trimethylbenzene	8.6	U	10	8.6	ug/L			12/23/11 16:21	10
1,2-Dibromo-3-Chloropropane	25	U	50	25	ug/L			12/23/11 16:21	10
1,2-Dichlorobenzene	4.4	U	10	4.4	ug/L			12/23/11 16:21	10
1,2-Dichloroethane	5.7	U	10	5.7	ug/L			12/23/11 16:21	10
1,2-Dichloropropane	5.2	U	10	5.2	ug/L			12/23/11 16:21	10
1,3,5-Trimethylbenzene	5.4	U	10	5.4	ug/L			12/23/11 16:21	10
1,3-Dichlorobenzene	6.4	U	10	6.4	ug/L			12/23/11 16:21	10
1,3-Dichloropropane	3.9	U	10	3.9	ug/L			12/23/11 16:21	10
1,4-Dichlorobenzene	5.2	U	10	5.2	ug/L			12/23/11 16:21	10
2,2-Dichloropropane	3.6	U	10	3.6	ug/L			12/23/11 16:21	10
2-Chlorotoluene	6.5	U	10	6.5	ug/L			12/23/11 16:21	10
2-Hexanone	44	U	100	44	ug/L			12/23/11 16:21	10
4-Chlorotoluene	5.2	U	10	5.2	ug/L			12/23/11 16:21	10
4-Isopropyltoluene	6.9	U	10	6.9	ug/L			12/23/11 16:21	10
Acetone	99	U	200	99	ug/L			12/23/11 16:21	10
Benzene	5.0	U	10	5.0	ug/L			12/23/11 16:21	10
Bromobenzene	5.8	U	10	5.8	ug/L			12/23/11 16:21	10
Bromoform	5.8	U	10	5.8	ug/L			12/23/11 16:21	10
Bromomethane	25	U	50	25	ug/L			12/23/11 16:21	10
Carbon disulfide	10	U	20	10	ug/L			12/23/11 16:21	10
Carbon tetrachloride	4.2	U	10	4.2	ug/L			12/23/11 16:21	10
Chlorobenzene	6.3	U	10	6.3	ug/L			12/23/11 16:21	10
Chlorobromomethane	5.8	U	10	5.8	ug/L			12/23/11 16:21	10
Chlorodibromomethane	3.4	U	10	3.4	ug/L			12/23/11 16:21	10
Chloroethane	25	U	50	25	ug/L			12/23/11 16:21	10
Chloroform	9.0	U	10	9.0	ug/L			12/23/11 16:21	10
Chloromethane	10	U	40	10	ug/L			12/23/11 16:21	10
cis-1,2-Dichloroethene	**120**		10	6.5	ug/L			12/23/11 16:21	10
cis-1,3-Dichloropropene	1.4	U J3	10	1.4	ug/L			12/23/11 16:21	10
Dibromomethane	4.1	U	10	4.1	ug/L			12/23/11 16:21	10
Dichlorobromomethane	3.5	U	10	3.5	ug/L			12/23/11 16:21	10
Dichlorodifluoromethane	25	U	50	25	ug/L			12/23/11 16:21	10
Ethylbenzene	4.4	U	10	4.4	ug/L			12/23/11 16:21	10
Ethylene Dibromide	5.0	U	10	5.0	ug/L			12/23/11 16:21	10
Hexachlorobutadiene	4.0	U	10	4.0	ug/L			12/23/11 16:21	10
Isopropylbenzene	1.9	U	10	1.9	ug/L			12/23/11 16:21	10
2-Butanone (MEK)	84	U	100	84	ug/L			12/23/11 16:21	10
4-Methyl-2-pentanone (MIBK)	38	U	100	38	ug/L			12/23/11 16:21	10
Methyl tert-butyl ether	4.4	U	10	4.4	ug/L			12/23/11 16:21	10
1,1,1,2-Tetrachloroethane	6.3	U	10	6.3	ug/L			12/23/11 16:21	10
Methylene Chloride	40	U	50	40	ug/L			12/23/11 16:21	10
m-Xylene & p-Xylene	6.0	U	20	6.0	ug/L			12/23/11 16:21	10

Client Sample ID: Dup-01-12132011

Lab Sample ID: 660-45272-7

Date Collected: 12/13/11 00:00
Matrix: Water
Date Received: 12/16/11 15:00

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	25	U	50	25	ug/L			12/23/11 16:21	10
n-Butylbenzene	6.7	U	10	6.7	ug/L			12/23/11 16:21	10
N-Propylbenzene	5.9	U	10	5.9	ug/L			12/23/11 16:21	10
o-Xylene	5.0	U	10	5.0	ug/L			12/23/11 16:21	10
sec-Butylbenzene	6.3	U	10	6.3	ug/L			12/23/11 16:21	10
Styrene	9.8	U	20	9.8	ug/L			12/23/11 16:21	10
tert-Butylbenzene	8.4	U	10	8.4	ug/L			12/23/11 16:21	10
Tetrachloroethene	5.0	U	10	5.0	ug/L			12/23/11 16:21	10
Toluene	5.1	U	10	5.1	ug/L			12/23/11 16:21	10
trans-1,2-Dichloroethene	4.4	U	10	4.4	ug/L			12/23/11 16:21	10
trans-1,3-Dichloropropene	1.4	U J3	10	1.4	ug/L			12/23/11 16:21	10
Trichlorofluoromethane	25	U	50	25	ug/L			12/23/11 16:21	10
Vinyl chloride	5.0	U	10	5.0	ug/L			12/23/11 16:21	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*87*		*70 - 130*		*12/23/11 16:21*	*10*
Dibromofluoromethane	*102*		*70 - 130*		*12/23/11 16:21*	*10*
Toluene-d8 (Surr)	*93*		*70 - 130*		*12/23/11 16:21*	*10*

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	**3800**		100	50	ug/L			12/23/11 11:49	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*88*		*70 - 130*		*12/23/11 11:49*	*100*
Dibromofluoromethane	*99*		*70 - 130*		*12/23/11 11:49*	*100*
Toluene-d8 (Surr)	*92*		*70 - 130*		*12/23/11 11:49*	*100*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**150**		20	10	ug/L			12/22/11 17:14	10

Client Sample ID: MW-35

Lab Sample ID: 660-45272-8

Date Collected: 12/13/11 10:16
Matrix: Water
Date Received: 12/16/11 15:00

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			12/23/11 14:15	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			12/23/11 14:15	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			12/23/11 14:15	1
1,1-Dichloroethane	**1.5**		1.0	0.52	ug/L			12/23/11 14:15	1
1,1-Dichloroethene	**3.4**		1.0	0.45	ug/L			12/23/11 14:15	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			12/23/11 14:15	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			12/23/11 14:15	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			12/23/11 14:15	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			12/23/11 14:15	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			12/23/11 14:15	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			12/23/11 14:15	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			12/23/11 14:15	1

Client Sample ID: MW-35

Date Collected: 12/13/11 10:16
Date Received: 12/16/11 15:00

Lab Sample ID: 660-45272-8

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			12/23/11 14:15	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			12/23/11 14:15	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			12/23/11 14:15	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			12/23/11 14:15	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			12/23/11 14:15	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			12/23/11 14:15	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/23/11 14:15	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			12/23/11 14:15	1
2-Hexanone	4.4	U	10	4.4	ug/L			12/23/11 14:15	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			12/23/11 14:15	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			12/23/11 14:15	1
Acetone	9.9	U	20	9.9	ug/L			12/23/11 14:15	1
Benzene	0.50	U	1.0	0.50	ug/L			12/23/11 14:15	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			12/23/11 14:15	1
Bromoform	0.58	U	1.0	0.58	ug/L			12/23/11 14:15	1
Bromomethane	2.5	U	5.0	2.5	ug/L			12/23/11 14:15	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			12/23/11 14:15	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			12/23/11 14:15	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			12/23/11 14:15	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			12/23/11 14:15	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			12/23/11 14:15	1
Chloroethane	2.5	U	5.0	2.5	ug/L			12/23/11 14:15	1
Chloroform	0.90	U	1.0	0.90	ug/L			12/23/11 14:15	1
Chloromethane	1.0	U	4.0	1.0	ug/L			12/23/11 14:15	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			12/23/11 14:15	1
cis-1,3-Dichloropropene	0.14	U J3	1.0	0.14	ug/L			12/23/11 14:15	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			12/23/11 14:15	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			12/23/11 14:15	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			12/23/11 14:15	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			12/23/11 14:15	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			12/23/11 14:15	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			12/23/11 14:15	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			12/23/11 14:15	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			12/23/11 14:15	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			12/23/11 14:15	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			12/23/11 14:15	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			12/23/11 14:15	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			12/23/11 14:15	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			12/23/11 14:15	1
Naphthalene	2.5	U	5.0	2.5	ug/L			12/23/11 14:15	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			12/23/11 14:15	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			12/23/11 14:15	1
o-Xylene	0.50	U	1.0	0.50	ug/L			12/23/11 14:15	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			12/23/11 14:15	1
Styrene	0.98	U	2.0	0.98	ug/L			12/23/11 14:15	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			12/23/11 14:15	1
Tetrachloroethene	**15**		1.0	0.50	ug/L			12/23/11 14:15	1
Toluene	0.51	U	1.0	0.51	ug/L			12/23/11 14:15	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			12/23/11 14:15	1
trans-1,3-Dichloropropene	0.14	U J3	1.0	0.14	ug/L			12/23/11 14:15	1

Client Sample ID: MW-35

Lab Sample ID: 660-45272-8

Date Collected: 12/13/11 10:16
Date Received: 12/16/11 15:00

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	**6.7**		1.0	0.50	ug/L			12/23/11 14:15	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			12/23/11 14:15	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/23/11 14:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*88*		*70 - 130*		*12/23/11 14:15*	*1*
Dibromofluoromethane	*101*		*70 - 130*		*12/23/11 14:15*	*1*
Toluene-d8 (Surr)	*94*		*70 - 130*		*12/23/11 14:15*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**1.3**	**I**	2.0	1.0	ug/L			12/22/11 08:48	1

Client Sample ID: MW-80

Lab Sample ID: 660-45272-9

Date Collected: 12/14/11 09:56
Date Received: 12/16/11 15:00

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			12/23/11 14:33	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			12/23/11 14:33	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			12/23/11 14:33	1
1,1-Dichloroethane	**3.0**		1.0	0.52	ug/L			12/23/11 14:33	1
1,1-Dichloroethene	**50**		1.0	0.45	ug/L			12/23/11 14:33	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			12/23/11 14:33	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			12/23/11 14:33	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			12/23/11 14:33	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			12/23/11 14:33	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			12/23/11 14:33	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			12/23/11 14:33	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			12/23/11 14:33	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			12/23/11 14:33	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			12/23/11 14:33	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			12/23/11 14:33	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			12/23/11 14:33	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			12/23/11 14:33	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			12/23/11 14:33	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/23/11 14:33	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			12/23/11 14:33	1
2-Hexanone	4.4	U	10	4.4	ug/L			12/23/11 14:33	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			12/23/11 14:33	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			12/23/11 14:33	1
Acetone	9.9	U	20	9.9	ug/L			12/23/11 14:33	1
Benzene	0.50	U	1.0	0.50	ug/L			12/23/11 14:33	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			12/23/11 14:33	1
Bromoform	0.58	U	1.0	0.58	ug/L			12/23/11 14:33	1
Bromomethane	2.5	U	5.0	2.5	ug/L			12/23/11 14:33	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			12/23/11 14:33	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			12/23/11 14:33	1
Chlorobenzene	**2.0**		1.0	0.63	ug/L			12/23/11 14:33	1

Client Sample ID: MW-80

Date Collected: 12/14/11 09:56
Date Received: 12/16/11 15:00

Lab Sample ID: 660-45272-9

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			12/23/11 14:33	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			12/23/11 14:33	1
Chloroethane	2.5	U	5.0	2.5	ug/L			12/23/11 14:33	1
Chloroform	0.90	U	1.0	0.90	ug/L			12/23/11 14:33	1
Chloromethane	1.0	U	4.0	1.0	ug/L			12/23/11 14:33	1
cis-1,2-Dichloroethene	**2.7**		1.0	0.65	ug/L			12/23/11 14:33	1
cis-1,3-Dichloropropene	0.14	U J3	1.0	0.14	ug/L			12/23/11 14:33	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			12/23/11 14:33	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			12/23/11 14:33	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			12/23/11 14:33	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			12/23/11 14:33	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			12/23/11 14:33	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			12/23/11 14:33	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			12/23/11 14:33	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			12/23/11 14:33	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			12/23/11 14:33	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			12/23/11 14:33	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			12/23/11 14:33	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			12/23/11 14:33	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			12/23/11 14:33	1
Naphthalene	2.5	U	5.0	2.5	ug/L			12/23/11 14:33	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			12/23/11 14:33	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			12/23/11 14:33	1
o-Xylene	0.50	U	1.0	0.50	ug/L			12/23/11 14:33	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			12/23/11 14:33	1
Styrene	0.98	U	2.0	0.98	ug/L			12/23/11 14:33	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			12/23/11 14:33	1
Tetrachloroethene	**1.1**		1.0	0.50	ug/L			12/23/11 14:33	1
Toluene	0.51	U	1.0	0.51	ug/L			12/23/11 14:33	1
trans-1,2-Dichloroethene	**1.1**		1.0	0.44	ug/L			12/23/11 14:33	1
trans-1,3-Dichloropropene	0.14	U J3	1.0	0.14	ug/L			12/23/11 14:33	1
Trichloroethene	**4.6**		1.0	0.50	ug/L			12/23/11 14:33	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			12/23/11 14:33	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/23/11 14:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*70 - 130*		*12/23/11 14:33*	*1*
Dibromofluoromethane	*101*		*70 - 130*		*12/23/11 14:33*	*1*
Toluene-d8 (Surr)	*93*		*70 - 130*		*12/23/11 14:33*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**13**		2.0	1.0	ug/L			12/22/11 09:11	1

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast SemiAnnual

TestAmerica Job ID: 660-45272-1
SDG: 45272

Client Sample ID: MW-98

Date Collected: 12/13/11 15:03
Date Received: 12/16/11 15:00

Lab Sample ID: 660-45272-10

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			12/23/11 15:27	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			12/23/11 15:27	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			12/23/11 15:27	1
1,1-Dichloroethane	**110**		1.0	0.52	ug/L			12/23/11 15:27	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			12/23/11 15:27	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			12/23/11 15:27	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			12/23/11 15:27	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			12/23/11 15:27	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			12/23/11 15:27	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			12/23/11 15:27	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			12/23/11 15:27	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			12/23/11 15:27	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			12/23/11 15:27	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			12/23/11 15:27	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			12/23/11 15:27	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			12/23/11 15:27	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			12/23/11 15:27	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/23/11 15:27	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			12/23/11 15:27	1
2-Hexanone	4.4	U	10	4.4	ug/L			12/23/11 15:27	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			12/23/11 15:27	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			12/23/11 15:27	1
Acetone	9.9	U	20	9.9	ug/L			12/23/11 15:27	1
Benzene	0.50	U	1.0	0.50	ug/L			12/23/11 15:27	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			12/23/11 15:27	1
Bromoform	0.58	U	1.0	0.58	ug/L			12/23/11 15:27	1
Bromomethane	2.5	U	5.0	2.5	ug/L			12/23/11 15:27	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			12/23/11 15:27	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			12/23/11 15:27	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			12/23/11 15:27	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			12/23/11 15:27	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			12/23/11 15:27	1
Chloroethane	2.5	U	5.0	2.5	ug/L			12/23/11 15:27	1
Chloroform	0.90	U	1.0	0.90	ug/L			12/23/11 15:27	1
Chloromethane	1.0	U	4.0	1.0	ug/L			12/23/11 15:27	1
cis-1,2-Dichloroethene	**2.9**		1.0	0.65	ug/L			12/23/11 15:27	1
cis-1,3-Dichloropropene	0.14	U J3	1.0	0.14	ug/L			12/23/11 15:27	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			12/23/11 15:27	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			12/23/11 15:27	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			12/23/11 15:27	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			12/23/11 15:27	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			12/23/11 15:27	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			12/23/11 15:27	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			12/23/11 15:27	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			12/23/11 15:27	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			12/23/11 15:27	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			12/23/11 15:27	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			12/23/11 15:27	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			12/23/11 15:27	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			12/23/11 15:27	1

Client Sample ID: MW-98

Lab Sample ID: 660-45272-10

Date Collected: 12/13/11 15:03
Date Received: 12/16/11 15:00

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	2.5	U	5.0	2.5	ug/L			12/23/11 15:27	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			12/23/11 15:27	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			12/23/11 15:27	1
o-Xylene	0.50	U	1.0	0.50	ug/L			12/23/11 15:27	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			12/23/11 15:27	1
Styrene	0.98	U	2.0	0.98	ug/L			12/23/11 15:27	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			12/23/11 15:27	1
Tetrachloroethene	**10**		1.0	0.50	ug/L			12/23/11 15:27	1
Toluene	0.51	U	1.0	0.51	ug/L			12/23/11 15:27	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			12/23/11 15:27	1
trans-1,3-Dichloropropene	0.14	U J3	1.0	0.14	ug/L			12/23/11 15:27	1
Trichloroethene	**37**		1.0	0.50	ug/L			12/23/11 15:27	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			12/23/11 15:27	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/23/11 15:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*89*		*70 - 130*		*12/23/11 15:27*	*1*
Dibromofluoromethane	*101*		*70 - 130*		*12/23/11 15:27*	*1*
Toluene-d8 (Surr)	*92*		*70 - 130*		*12/23/11 15:27*	*1*

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	**220**		10	4.5	ug/L			12/23/11 12:07	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*88*		*70 - 130*		*12/23/11 12:07*	*10*
Dibromofluoromethane	*100*		*70 - 130*		*12/23/11 12:07*	*10*
Toluene-d8 (Surr)	*92*		*70 - 130*		*12/23/11 12:07*	*10*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**540**		20	10	ug/L			12/22/11 09:33	10

Client Sample ID: MW-72

Lab Sample ID: 660-45272-11

Date Collected: 12/14/11 11:00
Date Received: 12/16/11 15:00

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			12/23/11 16:39	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			12/23/11 16:39	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			12/23/11 16:39	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			12/23/11 16:39	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			12/23/11 16:39	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			12/23/11 16:39	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			12/23/11 16:39	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			12/23/11 16:39	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			12/23/11 16:39	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			12/23/11 16:39	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			12/23/11 16:39	1

Client: ARCADIS U.S. Inc
Project/Site: Tallevast SemiAnnual

TestAmerica Job ID: 660-45272-1
SDG: 45272

Client Sample ID: MW-72
Date Collected: 12/14/11 11:00
Date Received: 12/16/11 15:00

Lab Sample ID: 660-45272-11
Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			12/23/11 16:39	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			12/23/11 16:39	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			12/23/11 16:39	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			12/23/11 16:39	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			12/23/11 16:39	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			12/23/11 16:39	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			12/23/11 16:39	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/23/11 16:39	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			12/23/11 16:39	1
2-Hexanone	4.4	U	10	4.4	ug/L			12/23/11 16:39	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			12/23/11 16:39	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			12/23/11 16:39	1
Acetone	9.9	U	20	9.9	ug/L			12/23/11 16:39	1
Benzene	0.50	U	1.0	0.50	ug/L			12/23/11 16:39	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			12/23/11 16:39	1
Bromoform	0.58	U	1.0	0.58	ug/L			12/23/11 16:39	1
Bromomethane	2.5	U	5.0	2.5	ug/L			12/23/11 16:39	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			12/23/11 16:39	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			12/23/11 16:39	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			12/23/11 16:39	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			12/23/11 16:39	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			12/23/11 16:39	1
Chloroethane	2.5	U	5.0	2.5	ug/L			12/23/11 16:39	1
Chloroform	0.90	U	1.0	0.90	ug/L			12/23/11 16:39	1
Chloromethane	1.0	U	4.0	1.0	ug/L			12/23/11 16:39	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			12/23/11 16:39	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/23/11 16:39	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			12/23/11 16:39	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			12/23/11 16:39	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			12/23/11 16:39	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			12/23/11 16:39	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			12/23/11 16:39	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			12/23/11 16:39	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			12/23/11 16:39	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			12/23/11 16:39	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			12/23/11 16:39	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			12/23/11 16:39	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			12/23/11 16:39	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			12/23/11 16:39	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			12/23/11 16:39	1
Naphthalene	2.5	U	5.0	2.5	ug/L			12/23/11 16:39	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			12/23/11 16:39	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			12/23/11 16:39	1
o-Xylene	0.50	U	1.0	0.50	ug/L			12/23/11 16:39	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			12/23/11 16:39	1
Styrene	0.98	U	2.0	0.98	ug/L			12/23/11 16:39	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			12/23/11 16:39	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			12/23/11 16:39	1
Toluene	0.51	U	1.0	0.51	ug/L			12/23/11 16:39	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			12/23/11 16:39	1

Client Sample ID: MW-72

Lab Sample ID: 660-45272-11

Date Collected: 12/14/11 11:00
Date Received: 12/16/11 15:00

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/23/11 16:39	1
Trichloroethene	**8.8**		1.0	0.50	ug/L			12/23/11 16:39	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			12/23/11 16:39	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/23/11 16:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*70 - 130*		*12/23/11 16:39*	*1*
Dibromofluoromethane	*100*		*70 - 130*		*12/23/11 16:39*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*12/23/11 16:39*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			12/22/11 09:57	1

Client Sample ID: MW-100

Lab Sample ID: 660-45272-12

Date Collected: 12/13/11 13:58
Date Received: 12/16/11 15:00

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			12/23/11 17:00	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			12/23/11 17:00	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			12/23/11 17:00	1
1,1-Dichloroethane	**4.5**		1.0	0.52	ug/L			12/23/11 17:00	1
1,1-Dichloroethene	**2.0**		1.0	0.45	ug/L			12/23/11 17:00	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			12/23/11 17:00	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			12/23/11 17:00	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			12/23/11 17:00	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			12/23/11 17:00	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			12/23/11 17:00	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			12/23/11 17:00	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			12/23/11 17:00	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			12/23/11 17:00	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			12/23/11 17:00	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			12/23/11 17:00	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			12/23/11 17:00	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			12/23/11 17:00	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			12/23/11 17:00	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/23/11 17:00	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			12/23/11 17:00	1
2-Hexanone	4.4	U	10	4.4	ug/L			12/23/11 17:00	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			12/23/11 17:00	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			12/23/11 17:00	1
Acetone	9.9	U	20	9.9	ug/L			12/23/11 17:00	1
Benzene	0.50	U	1.0	0.50	ug/L			12/23/11 17:00	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			12/23/11 17:00	1
Bromoform	0.58	U	1.0	0.58	ug/L			12/23/11 17:00	1
Bromomethane	2.5	U	5.0	2.5	ug/L			12/23/11 17:00	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			12/23/11 17:00	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			12/23/11 17:00	1

Client Sample ID: MW-100

Date Collected: 12/13/11 13:58
Date Received: 12/16/11 15:00

Lab Sample ID: 660-45272-12

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	0.63	U	1.0	0.63	ug/L			12/23/11 17:00	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			12/23/11 17:00	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			12/23/11 17:00	1
Chloroethane	2.5	U	5.0	2.5	ug/L			12/23/11 17:00	1
Chloroform	0.90	U	1.0	0.90	ug/L			12/23/11 17:00	1
Chloromethane	1.0	U	4.0	1.0	ug/L			12/23/11 17:00	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			12/23/11 17:00	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/23/11 17:00	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			12/23/11 17:00	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			12/23/11 17:00	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			12/23/11 17:00	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			12/23/11 17:00	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			12/23/11 17:00	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			12/23/11 17:00	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			12/23/11 17:00	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			12/23/11 17:00	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			12/23/11 17:00	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			12/23/11 17:00	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			12/23/11 17:00	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			12/23/11 17:00	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			12/23/11 17:00	1
Naphthalene	2.5	U	5.0	2.5	ug/L			12/23/11 17:00	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			12/23/11 17:00	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			12/23/11 17:00	1
o-Xylene	0.50	U	1.0	0.50	ug/L			12/23/11 17:00	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			12/23/11 17:00	1
Styrene	0.98	U	2.0	0.98	ug/L			12/23/11 17:00	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			12/23/11 17:00	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			12/23/11 17:00	1
Toluene	0.51	U	1.0	0.51	ug/L			12/23/11 17:00	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			12/23/11 17:00	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/23/11 17:00	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			12/23/11 17:00	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			12/23/11 17:00	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/23/11 17:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*70 - 130*		*12/23/11 17:00*	*1*
Dibromofluoromethane	*101*		*70 - 130*		*12/23/11 17:00*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*12/23/11 17:00*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**22**		2.0	1.0	ug/L			12/22/11 10:19	1

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast SemiAnnual

TestAmerica Job ID: 660-45272-1
SDG: 45272

Client Sample ID: MW-37

Date Collected: 12/13/11 13:14
Date Received: 12/16/11 15:00

Lab Sample ID: 660-45272-13

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	2.3	U	5.0	2.3	ug/L			12/23/11 19:07	5
1,1,2,2-Tetrachloroethane	0.75	U	5.0	0.75	ug/L			12/23/11 19:07	5
1,1,2-Trichloroethane	2.4	U	5.0	2.4	ug/L			12/23/11 19:07	5
1,1-Dichloroethane	**18**		5.0	2.6	ug/L			12/23/11 19:07	5
1,1-Dichloroethene	**89**		5.0	2.3	ug/L			12/23/11 19:07	5
1,1-Dichloropropene	1.6	U	5.0	1.6	ug/L			12/23/11 19:07	5
1,2,3-Trichlorobenzene	3.9	U	5.0	3.9	ug/L			12/23/11 19:07	5
1,2,3-Trichloropropane	0.90	U	5.0	0.90	ug/L			12/23/11 19:07	5
1,2,4-Trichlorobenzene	2.9	U	5.0	2.9	ug/L			12/23/11 19:07	5
1,2,4-Trimethylbenzene	4.3	U	5.0	4.3	ug/L			12/23/11 19:07	5
1,2-Dibromo-3-Chloropropane	13	U	25	13	ug/L			12/23/11 19:07	5
1,2-Dichlorobenzene	2.2	U	5.0	2.2	ug/L			12/23/11 19:07	5
1,2-Dichloroethane	2.9	U	5.0	2.9	ug/L			12/23/11 19:07	5
1,2-Dichloropropane	2.6	U	5.0	2.6	ug/L			12/23/11 19:07	5
1,3,5-Trimethylbenzene	2.7	U	5.0	2.7	ug/L			12/23/11 19:07	5
1,3-Dichlorobenzene	3.2	U	5.0	3.2	ug/L			12/23/11 19:07	5
1,3-Dichloropropane	2.0	U	5.0	2.0	ug/L			12/23/11 19:07	5
1,4-Dichlorobenzene	2.6	U	5.0	2.6	ug/L			12/23/11 19:07	5
2,2-Dichloropropane	1.8	U	5.0	1.8	ug/L			12/23/11 19:07	5
2-Chlorotoluene	3.3	U	5.0	3.3	ug/L			12/23/11 19:07	5
2-Hexanone	22	U	50	22	ug/L			12/23/11 19:07	5
4-Chlorotoluene	2.6	U	5.0	2.6	ug/L			12/23/11 19:07	5
4-Isopropyltoluene	3.5	U	5.0	3.5	ug/L			12/23/11 19:07	5
Acetone	50	U	100	50	ug/L			12/23/11 19:07	5
Benzene	2.5	U	5.0	2.5	ug/L			12/23/11 19:07	5
Bromobenzene	2.9	U	5.0	2.9	ug/L			12/23/11 19:07	5
Bromoform	2.9	U	5.0	2.9	ug/L			12/23/11 19:07	5
Bromomethane	13	U	25	13	ug/L			12/23/11 19:07	5
Carbon disulfide	5.0	U	10	5.0	ug/L			12/23/11 19:07	5
Carbon tetrachloride	2.1	U	5.0	2.1	ug/L			12/23/11 19:07	5
Chlorobenzene	3.2	U	5.0	3.2	ug/L			12/23/11 19:07	5
Chlorobromomethane	2.9	U	5.0	2.9	ug/L			12/23/11 19:07	5
Chlorodibromomethane	1.7	U	5.0	1.7	ug/L			12/23/11 19:07	5
Chloroethane	13	U	25	13	ug/L			12/23/11 19:07	5
Chloroform	4.5	U	5.0	4.5	ug/L			12/23/11 19:07	5
Chloromethane	5.0	U	20	5.0	ug/L			12/23/11 19:07	5
cis-1,2-Dichloroethene	**160**		5.0	3.3	ug/L			12/23/11 19:07	5
cis-1,3-Dichloropropene	0.70	U	5.0	0.70	ug/L			12/23/11 19:07	5
Dibromomethane	2.1	U	5.0	2.1	ug/L			12/23/11 19:07	5
Dichlorobromomethane	1.8	U	5.0	1.8	ug/L			12/23/11 19:07	5
Dichlorodifluoromethane	13	U	25	13	ug/L			12/23/11 19:07	5
Ethylbenzene	2.2	U	5.0	2.2	ug/L			12/23/11 19:07	5
Ethylene Dibromide	2.5	U	5.0	2.5	ug/L			12/23/11 19:07	5
Hexachlorobutadiene	2.0	U	5.0	2.0	ug/L			12/23/11 19:07	5
Isopropylbenzene	0.95	U	5.0	0.95	ug/L			12/23/11 19:07	5
2-Butanone (MEK)	42	U	50	42	ug/L			12/23/11 19:07	5
4-Methyl-2-pentanone (MIBK)	19	U	50	19	ug/L			12/23/11 19:07	5
Methyl tert-butyl ether	2.2	U	5.0	2.2	ug/L			12/23/11 19:07	5
1,1,1,2-Tetrachloroethane	3.2	U	5.0	3.2	ug/L			12/23/11 19:07	5
Methylene Chloride	20	U	25	20	ug/L			12/23/11 19:07	5

Client Sample ID: MW-37

Lab Sample ID: 660-45272-13

Date Collected: 12/13/11 13:14
Date Received: 12/16/11 15:00

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	3.0	U	10	3.0	ug/L			12/23/11 19:07	5
Naphthalene	13	U	25	13	ug/L			12/23/11 19:07	5
n-Butylbenzene	3.4	U	5.0	3.4	ug/L			12/23/11 19:07	5
N-Propylbenzene	3.0	U	5.0	3.0	ug/L			12/23/11 19:07	5
o-Xylene	2.5	U	5.0	2.5	ug/L			12/23/11 19:07	5
sec-Butylbenzene	3.2	U	5.0	3.2	ug/L			12/23/11 19:07	5
Styrene	4.9	U	10	4.9	ug/L			12/23/11 19:07	5
tert-Butylbenzene	4.2	U	5.0	4.2	ug/L			12/23/11 19:07	5
Tetrachloroethene	**2.6**	**I**	5.0	2.5	ug/L			12/23/11 19:07	5
Toluene	2.6	U	5.0	2.6	ug/L			12/23/11 19:07	5
trans-1,2-Dichloroethene	2.2	U	5.0	2.2	ug/L			12/23/11 19:07	5
trans-1,3-Dichloropropene	0.70	U	5.0	0.70	ug/L			12/23/11 19:07	5
Trichlorofluoromethane	13	U	25	13	ug/L			12/23/11 19:07	5
Vinyl chloride	**2.8**	**I**	5.0	2.5	ug/L			12/23/11 19:07	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*70 - 130*		*12/23/11 19:07*	*5*
Dibromofluoromethane	*100*		*70 - 130*		*12/23/11 19:07*	*5*
Toluene-d8 (Surr)	*102*		*70 - 130*		*12/23/11 19:07*	*5*

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	**3600**		50	25	ug/L			12/23/11 17:43	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*70 - 130*		*12/23/11 17:43*	*50*
Dibromofluoromethane	*100*		*70 - 130*		*12/23/11 17:43*	*50*
Toluene-d8 (Surr)	*102*		*70 - 130*		*12/23/11 17:43*	*50*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**360**		20	10	ug/L			12/22/11 10:42	10

Client Sample ID: FB-02-12132011

Lab Sample ID: 660-45272-14

Date Collected: 12/13/11 10:16
Date Received: 12/16/11 15:00

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			12/23/11 16:19	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			12/23/11 16:19	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			12/23/11 16:19	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			12/23/11 16:19	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			12/23/11 16:19	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			12/23/11 16:19	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			12/23/11 16:19	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			12/23/11 16:19	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			12/23/11 16:19	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			12/23/11 16:19	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			12/23/11 16:19	1

Client Sample ID: FB-02-12132011

Date Collected: 12/13/11 10:16
Date Received: 12/16/11 15:00

Lab Sample ID: 660-45272-14

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			12/23/11 16:19	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			12/23/11 16:19	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			12/23/11 16:19	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			12/23/11 16:19	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			12/23/11 16:19	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			12/23/11 16:19	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			12/23/11 16:19	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/23/11 16:19	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			12/23/11 16:19	1
2-Hexanone	4.4	U	10	4.4	ug/L			12/23/11 16:19	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			12/23/11 16:19	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			12/23/11 16:19	1
Acetone	9.9	U	20	9.9	ug/L			12/23/11 16:19	1
Benzene	0.50	U	1.0	0.50	ug/L			12/23/11 16:19	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			12/23/11 16:19	1
Bromoform	0.58	U	1.0	0.58	ug/L			12/23/11 16:19	1
Bromomethane	2.5	U	5.0	2.5	ug/L			12/23/11 16:19	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			12/23/11 16:19	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			12/23/11 16:19	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			12/23/11 16:19	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			12/23/11 16:19	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			12/23/11 16:19	1
Chloroethane	2.5	U	5.0	2.5	ug/L			12/23/11 16:19	1
Chloroform	0.90	U	1.0	0.90	ug/L			12/23/11 16:19	1
Chloromethane	1.0	U	4.0	1.0	ug/L			12/23/11 16:19	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			12/23/11 16:19	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/23/11 16:19	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			12/23/11 16:19	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			12/23/11 16:19	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			12/23/11 16:19	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			12/23/11 16:19	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			12/23/11 16:19	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			12/23/11 16:19	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			12/23/11 16:19	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			12/23/11 16:19	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			12/23/11 16:19	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			12/23/11 16:19	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			12/23/11 16:19	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			12/23/11 16:19	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			12/23/11 16:19	1
Naphthalene	2.5	U	5.0	2.5	ug/L			12/23/11 16:19	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			12/23/11 16:19	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			12/23/11 16:19	1
o-Xylene	0.50	U	1.0	0.50	ug/L			12/23/11 16:19	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			12/23/11 16:19	1
Styrene	0.98	U	2.0	0.98	ug/L			12/23/11 16:19	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			12/23/11 16:19	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			12/23/11 16:19	1
Toluene	0.51	U	1.0	0.51	ug/L			12/23/11 16:19	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			12/23/11 16:19	1

Client Sample ID: FB-02-12132011

Lab Sample ID: 660-45272-14

Date Collected: 12/13/11 10:16
Date Received: 12/16/11 15:00

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/23/11 16:19	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			12/23/11 16:19	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			12/23/11 16:19	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/23/11 16:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*70 - 130*		*12/23/11 16:19*	*1*
Dibromofluoromethane	*99*		*70 - 130*		*12/23/11 16:19*	*1*
Toluene-d8 (Surr)	*103*		*70 - 130*		*12/23/11 16:19*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			12/22/11 11:05	1

Client Sample ID: MW-43

Lab Sample ID: 660-45272-15

Date Collected: 12/15/11 14:12
Date Received: 12/16/11 15:00

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			12/23/11 17:22	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			12/23/11 17:22	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			12/23/11 17:22	1
1,1-Dichloroethane	**11**		1.0	0.52	ug/L			12/23/11 17:22	1
1,1-Dichloroethene	**35**		1.0	0.45	ug/L			12/23/11 17:22	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			12/23/11 17:22	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			12/23/11 17:22	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			12/23/11 17:22	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			12/23/11 17:22	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			12/23/11 17:22	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			12/23/11 17:22	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			12/23/11 17:22	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			12/23/11 17:22	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			12/23/11 17:22	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			12/23/11 17:22	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			12/23/11 17:22	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			12/23/11 17:22	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			12/23/11 17:22	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/23/11 17:22	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			12/23/11 17:22	1
2-Hexanone	4.4	U	10	4.4	ug/L			12/23/11 17:22	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			12/23/11 17:22	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			12/23/11 17:22	1
Acetone	9.9	U	20	9.9	ug/L			12/23/11 17:22	1
Benzene	0.50	U	1.0	0.50	ug/L			12/23/11 17:22	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			12/23/11 17:22	1
Bromoform	0.58	U	1.0	0.58	ug/L			12/23/11 17:22	1
Bromomethane	2.5	U	5.0	2.5	ug/L			12/23/11 17:22	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			12/23/11 17:22	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			12/23/11 17:22	1

Client Sample ID: MW-43

Date Collected: 12/15/11 14:12
Date Received: 12/16/11 15:00

Lab Sample ID: 660-45272-15

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	0.63	U	1.0	0.63	ug/L			12/23/11 17:22	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			12/23/11 17:22	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			12/23/11 17:22	1
Chloroethane	2.5	U	5.0	2.5	ug/L			12/23/11 17:22	1
Chloroform	0.90	U	1.0	0.90	ug/L			12/23/11 17:22	1
Chloromethane	1.0	U	4.0	1.0	ug/L			12/23/11 17:22	1
cis-1,2-Dichloroethene	**16**		1.0	0.65	ug/L			12/23/11 17:22	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/23/11 17:22	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			12/23/11 17:22	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			12/23/11 17:22	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			12/23/11 17:22	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			12/23/11 17:22	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			12/23/11 17:22	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			12/23/11 17:22	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			12/23/11 17:22	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			12/23/11 17:22	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			12/23/11 17:22	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			12/23/11 17:22	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			12/23/11 17:22	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			12/23/11 17:22	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			12/23/11 17:22	1
Naphthalene	2.5	U	5.0	2.5	ug/L			12/23/11 17:22	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			12/23/11 17:22	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			12/23/11 17:22	1
o-Xylene	0.50	U	1.0	0.50	ug/L			12/23/11 17:22	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			12/23/11 17:22	1
Styrene	0.98	U	2.0	0.98	ug/L			12/23/11 17:22	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			12/23/11 17:22	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			12/23/11 17:22	1
Toluene	0.51	U	1.0	0.51	ug/L			12/23/11 17:22	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			12/23/11 17:22	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/23/11 17:22	1
Trichloroethene	**65**		1.0	0.50	ug/L			12/23/11 17:22	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			12/23/11 17:22	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/23/11 17:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*70 - 130*		*12/23/11 17:22*	*1*
Dibromofluoromethane	*100*		*70 - 130*		*12/23/11 17:22*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*12/23/11 17:22*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**310**		20	10	ug/L			12/22/11 11:27	10

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast SemiAnnual

TestAmerica Job ID: 660-45272-1
SDG: 45272

Client Sample ID: MW-42

Date Collected: 12/15/11 13:43
Date Received: 12/16/11 15:00

Lab Sample ID: 660-45272-16

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			12/23/11 19:30	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			12/23/11 19:30	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			12/23/11 19:30	1
1,1-Dichloroethane	**41**		1.0	0.52	ug/L			12/23/11 19:30	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			12/23/11 19:30	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			12/23/11 19:30	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			12/23/11 19:30	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			12/23/11 19:30	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			12/23/11 19:30	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			12/23/11 19:30	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			12/23/11 19:30	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			12/23/11 19:30	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			12/23/11 19:30	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			12/23/11 19:30	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			12/23/11 19:30	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			12/23/11 19:30	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			12/23/11 19:30	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			12/23/11 19:30	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/23/11 19:30	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			12/23/11 19:30	1
2-Hexanone	4.4	U	10	4.4	ug/L			12/23/11 19:30	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			12/23/11 19:30	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			12/23/11 19:30	1
Acetone	9.9	U	20	9.9	ug/L			12/23/11 19:30	1
Benzene	0.50	U	1.0	0.50	ug/L			12/23/11 19:30	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			12/23/11 19:30	1
Bromoform	0.58	U	1.0	0.58	ug/L			12/23/11 19:30	1
Bromomethane	2.5	U	5.0	2.5	ug/L			12/23/11 19:30	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			12/23/11 19:30	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			12/23/11 19:30	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			12/23/11 19:30	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			12/23/11 19:30	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			12/23/11 19:30	1
Chloroethane	2.5	U	5.0	2.5	ug/L			12/23/11 19:30	1
Chloroform	0.90	U	1.0	0.90	ug/L			12/23/11 19:30	1
Chloromethane	1.0	U	4.0	1.0	ug/L			12/23/11 19:30	1
cis-1,2-Dichloroethene	**19**		1.0	0.65	ug/L			12/23/11 19:30	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/23/11 19:30	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			12/23/11 19:30	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			12/23/11 19:30	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			12/23/11 19:30	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			12/23/11 19:30	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			12/23/11 19:30	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			12/23/11 19:30	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			12/23/11 19:30	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			12/23/11 19:30	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			12/23/11 19:30	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			12/23/11 19:30	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			12/23/11 19:30	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			12/23/11 19:30	1

Client Sample ID: MW-42

Lab Sample ID: 660-45272-16

Date Collected: 12/15/11 13:43
Date Received: 12/16/11 15:00

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			12/23/11 19:30	1
Naphthalene	2.5	U	5.0	2.5	ug/L			12/23/11 19:30	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			12/23/11 19:30	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			12/23/11 19:30	1
o-Xylene	0.50	U	1.0	0.50	ug/L			12/23/11 19:30	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			12/23/11 19:30	1
Styrene	0.98	U	2.0	0.98	ug/L			12/23/11 19:30	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			12/23/11 19:30	1
Tetrachloroethene	**17**		1.0	0.50	ug/L			12/23/11 19:30	1
Toluene	0.51	U	1.0	0.51	ug/L			12/23/11 19:30	1
trans-1,2-Dichloroethene	**0.67**	**I**	1.0	0.44	ug/L			12/23/11 19:30	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/23/11 19:30	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			12/23/11 19:30	1
Vinyl chloride	**0.74**	**I**	1.0	0.50	ug/L			12/23/11 19:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*70 - 130*		*12/23/11 19:30*	*1*
Dibromofluoromethane	*99*		*70 - 130*		*12/23/11 19:30*	*1*
Toluene-d8 (Surr)	*103*		*70 - 130*		*12/23/11 19:30*	*1*

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	**450**		10	5.0	ug/L			12/23/11 18:03	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*70 - 130*		*12/23/11 18:03*	*10*
Dibromofluoromethane	*101*		*70 - 130*		*12/23/11 18:03*	*10*
Toluene-d8 (Surr)	*102*		*70 - 130*		*12/23/11 18:03*	*10*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**34**		2.0	1.0	ug/L			12/22/11 11:51	1

Client Sample ID: MW-36

Lab Sample ID: 660-45272-17

Date Collected: 12/15/11 10:57
Date Received: 12/16/11 15:00

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			12/23/11 19:52	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			12/23/11 19:52	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			12/23/11 19:52	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			12/23/11 19:52	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			12/23/11 19:52	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			12/23/11 19:52	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			12/23/11 19:52	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			12/23/11 19:52	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			12/23/11 19:52	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			12/23/11 19:52	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			12/23/11 19:52	1

Client: ARCADIS U.S. Inc
Project/Site: Tallevast SemiAnnual

TestAmerica Job ID: 660-45272-1
SDG: 45272

Client Sample ID: MW-36
Date Collected: 12/15/11 10:57
Date Received: 12/16/11 15:00

Lab Sample ID: 660-45272-17
Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			12/23/11 19:52	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			12/23/11 19:52	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			12/23/11 19:52	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			12/23/11 19:52	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			12/23/11 19:52	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			12/23/11 19:52	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			12/23/11 19:52	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/23/11 19:52	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			12/23/11 19:52	1
2-Hexanone	4.4	U	10	4.4	ug/L			12/23/11 19:52	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			12/23/11 19:52	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			12/23/11 19:52	1
Acetone	9.9	U	20	9.9	ug/L			12/23/11 19:52	1
Benzene	0.50	U	1.0	0.50	ug/L			12/23/11 19:52	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			12/23/11 19:52	1
Bromoform	0.58	U	1.0	0.58	ug/L			12/23/11 19:52	1
Bromomethane	2.5	U	5.0	2.5	ug/L			12/23/11 19:52	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			12/23/11 19:52	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			12/23/11 19:52	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			12/23/11 19:52	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			12/23/11 19:52	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			12/23/11 19:52	1
Chloroethane	2.5	U	5.0	2.5	ug/L			12/23/11 19:52	1
Chloroform	0.90	U	1.0	0.90	ug/L			12/23/11 19:52	1
Chloromethane	1.0	U	4.0	1.0	ug/L			12/23/11 19:52	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			12/23/11 19:52	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/23/11 19:52	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			12/23/11 19:52	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			12/23/11 19:52	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			12/23/11 19:52	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			12/23/11 19:52	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			12/23/11 19:52	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			12/23/11 19:52	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			12/23/11 19:52	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			12/23/11 19:52	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			12/23/11 19:52	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			12/23/11 19:52	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			12/23/11 19:52	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			12/23/11 19:52	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			12/23/11 19:52	1
Naphthalene	2.5	U	5.0	2.5	ug/L			12/23/11 19:52	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			12/23/11 19:52	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			12/23/11 19:52	1
o-Xylene	0.50	U	1.0	0.50	ug/L			12/23/11 19:52	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			12/23/11 19:52	1
Styrene	0.98	U	2.0	0.98	ug/L			12/23/11 19:52	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			12/23/11 19:52	1
Tetrachloroethene	**1.6**		1.0	0.50	ug/L			12/23/11 19:52	1
Toluene	0.51	U	1.0	0.51	ug/L			12/23/11 19:52	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			12/23/11 19:52	1

Client Sample ID: MW-36

Lab Sample ID: 660-45272-17

Date Collected: 12/15/11 10:57
Date Received: 12/16/11 15:00

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/23/11 19:52	1
Trichloroethene	**19**		1.0	0.50	ug/L			12/23/11 19:52	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			12/23/11 19:52	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/23/11 19:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*70 - 130*		*12/23/11 19:52*	*1*
Dibromofluoromethane	*101*		*70 - 130*		*12/23/11 19:52*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*12/23/11 19:52*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			12/23/11 11:36	1

Client Sample ID: MW-40

Lab Sample ID: 660-45272-18

Date Collected: 12/15/11 13:07
Date Received: 12/16/11 15:00

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			12/23/11 20:13	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			12/23/11 20:13	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			12/23/11 20:13	1
1,1-Dichloroethane	**3.4**		1.0	0.52	ug/L			12/23/11 20:13	1
1,1-Dichloroethene	**2.7**		1.0	0.45	ug/L			12/23/11 20:13	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			12/23/11 20:13	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			12/23/11 20:13	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			12/23/11 20:13	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			12/23/11 20:13	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			12/23/11 20:13	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			12/23/11 20:13	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			12/23/11 20:13	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			12/23/11 20:13	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			12/23/11 20:13	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			12/23/11 20:13	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			12/23/11 20:13	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			12/23/11 20:13	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			12/23/11 20:13	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/23/11 20:13	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			12/23/11 20:13	1
2-Hexanone	4.4	U	10	4.4	ug/L			12/23/11 20:13	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			12/23/11 20:13	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			12/23/11 20:13	1
Acetone	9.9	U	20	9.9	ug/L			12/23/11 20:13	1
Benzene	0.50	U	1.0	0.50	ug/L			12/23/11 20:13	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			12/23/11 20:13	1
Bromoform	0.58	U	1.0	0.58	ug/L			12/23/11 20:13	1
Bromomethane	2.5	U	5.0	2.5	ug/L			12/23/11 20:13	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			12/23/11 20:13	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			12/23/11 20:13	1

Client Sample ID: MW-40

Date Collected: 12/15/11 13:07
Date Received: 12/16/11 15:00

Lab Sample ID: 660-45272-18

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	0.63	U	1.0	0.63	ug/L			12/23/11 20:13	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			12/23/11 20:13	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			12/23/11 20:13	1
Chloroethane	2.5	U	5.0	2.5	ug/L			12/23/11 20:13	1
Chloroform	0.90	U	1.0	0.90	ug/L			12/23/11 20:13	1
Chloromethane	1.0	U	4.0	1.0	ug/L			12/23/11 20:13	1
cis-1,2-Dichloroethene	**2.3**		1.0	0.65	ug/L			12/23/11 20:13	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/23/11 20:13	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			12/23/11 20:13	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			12/23/11 20:13	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			12/23/11 20:13	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			12/23/11 20:13	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			12/23/11 20:13	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			12/23/11 20:13	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			12/23/11 20:13	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			12/23/11 20:13	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			12/23/11 20:13	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			12/23/11 20:13	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			12/23/11 20:13	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			12/23/11 20:13	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			12/23/11 20:13	1
Naphthalene	2.5	U	5.0	2.5	ug/L			12/23/11 20:13	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			12/23/11 20:13	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			12/23/11 20:13	1
o-Xylene	0.50	U	1.0	0.50	ug/L			12/23/11 20:13	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			12/23/11 20:13	1
Styrene	0.98	U	2.0	0.98	ug/L			12/23/11 20:13	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			12/23/11 20:13	1
Tetrachloroethene	**60**		1.0	0.50	ug/L			12/23/11 20:13	1
Toluene	0.51	U	1.0	0.51	ug/L			12/23/11 20:13	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			12/23/11 20:13	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/23/11 20:13	1
Trichloroethene	**140**		1.0	0.50	ug/L			12/23/11 20:13	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			12/23/11 20:13	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/23/11 20:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*70 - 130*		*12/23/11 20:13*	*1*
Dibromofluoromethane	*101*		*70 - 130*		*12/23/11 20:13*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*12/23/11 20:13*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**10**		2.0	1.0	ug/L			12/23/11 12:00	1

Surrogate Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast SemiAnnual

TestAmerica Job ID: 660-45272-1
SDG: 45272

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)
660-45272-1	TB-12152011	90	103	92
660-45272-2 - DL	Dup-02-12142011	88	103	94
660-45272-2	Dup-02-12142011	89	103	93
660-45272-3	MW-19	90	102	93
660-45272-4 - DL	MW-253	89	103	94
660-45272-4	MW-253	89	100	94
660-45272-5	MW-63	89	102	94
660-45272-6	MW-23	97	100	101
660-45272-6 MS	MW-23	99	99	99
660-45272-6 MSD	MW-23	99	100	100
660-45272-7 - DL	Dup-01-12132011	88	99	92
660-45272-7	Dup-01-12132011	87	102	93
660-45272-8	MW-35	88	101	94
660-45272-9	MW-80	91	101	93
660-45272-10 - DL	MW-98	88	100	92
660-45272-10	MW-98	89	101	92
660-45272-11	MW-72	95	100	101
660-45272-12	MW-100	94	101	102
660-45272-13 - DL	MW-37	95	100	102
660-45272-13	MW-37	96	100	102
660-45272-14	FB-02-12132011	95	99	103
660-45272-15	MW-43	97	100	101
660-45272-16 - DL	MW-42	94	101	102
660-45272-16	MW-42	94	99	103
660-45272-17	MW-36	94	101	102
660-45272-18	MW-40	96	101	102
660-45364-E-1 MS	Matrix Spike	87	100	94
660-45364-F-1 DU	Duplicate	89	101	93
LCS 660-119168/3	Lab Control Sample	92	106	93
LCS 660-119211/4	Lab Control Sample	100	99	99
MB 660-119168/5	Method Blank	90	100	93
MB 660-119211/7	Method Blank	94	97	102

Surrogate Legend

BFB = 4-Bromofluorobenzene

DBFM = Dibromofluoromethane

TOL = Toluene-d8 (Surr)

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

Lab Sample ID: MB 660-119168/5
Matrix: Water
Analysis Batch: 119168

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			12/23/11 08:48	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			12/23/11 08:48	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			12/23/11 08:48	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			12/23/11 08:48	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			12/23/11 08:48	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			12/23/11 08:48	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			12/23/11 08:48	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			12/23/11 08:48	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			12/23/11 08:48	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			12/23/11 08:48	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			12/23/11 08:48	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			12/23/11 08:48	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			12/23/11 08:48	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			12/23/11 08:48	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			12/23/11 08:48	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			12/23/11 08:48	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			12/23/11 08:48	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			12/23/11 08:48	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/23/11 08:48	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			12/23/11 08:48	1
2-Hexanone	4.4	U	10	4.4	ug/L			12/23/11 08:48	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			12/23/11 08:48	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			12/23/11 08:48	1
Acetone	9.9	U	20	9.9	ug/L			12/23/11 08:48	1
Benzene	0.50	U	1.0	0.50	ug/L			12/23/11 08:48	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			12/23/11 08:48	1
Bromoform	0.58	U	1.0	0.58	ug/L			12/23/11 08:48	1
Bromomethane	2.5	U	5.0	2.5	ug/L			12/23/11 08:48	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			12/23/11 08:48	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			12/23/11 08:48	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			12/23/11 08:48	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			12/23/11 08:48	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			12/23/11 08:48	1
Chloroethane	2.5	U	5.0	2.5	ug/L			12/23/11 08:48	1
Chloroform	0.90	U	1.0	0.90	ug/L			12/23/11 08:48	1
Chloromethane	1.0	U	4.0	1.0	ug/L			12/23/11 08:48	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			12/23/11 08:48	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/23/11 08:48	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			12/23/11 08:48	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			12/23/11 08:48	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			12/23/11 08:48	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			12/23/11 08:48	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			12/23/11 08:48	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			12/23/11 08:48	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			12/23/11 08:48	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			12/23/11 08:48	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			12/23/11 08:48	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			12/23/11 08:48	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			12/23/11 08:48	1

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

Lab Sample ID: MB 660-119168/5
Matrix: Water
Analysis Batch: 119168

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	4.0	U	5.0	4.0	ug/L			12/23/11 08:48	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			12/23/11 08:48	1
Naphthalene	2.5	U	5.0	2.5	ug/L			12/23/11 08:48	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			12/23/11 08:48	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			12/23/11 08:48	1
o-Xylene	0.50	U	1.0	0.50	ug/L			12/23/11 08:48	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			12/23/11 08:48	1
Styrene	0.98	U	2.0	0.98	ug/L			12/23/11 08:48	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			12/23/11 08:48	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			12/23/11 08:48	1
Toluene	0.51	U	1.0	0.51	ug/L			12/23/11 08:48	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			12/23/11 08:48	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/23/11 08:48	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			12/23/11 08:48	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			12/23/11 08:48	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/23/11 08:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*70 - 130*		*12/23/11 08:48*	*1*
Dibromofluoromethane	*100*		*70 - 130*		*12/23/11 08:48*	*1*
Toluene-d8 (Surr)	*93*		*70 - 130*		*12/23/11 08:48*	*1*

Lab Sample ID: LCS 660-119168/3
Matrix: Water
Analysis Batch: 119168

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-Trichloroethane	20.0	16.6		ug/L		83	63 - 132
1,1,2,2-Tetrachloroethane	20.0	20.0		ug/L		100	70 - 130
1,1,2-Trichloroethane	20.0	17.1		ug/L		85	70 - 130
1,1-Dichloroethane	20.0	18.1		ug/L		90	66 - 130
1,1-Dichloroethene	20.0	19.0		ug/L		95	51 - 150
1,1-Dichloropropene	20.0	18.5		ug/L		93	65 - 136
1,2,3-Trichlorobenzene	20.0	23.2		ug/L		116	58 - 132
1,2,3-Trichloropropane	20.0	21.8		ug/L		109	66 - 130
1,2,4-Trichlorobenzene	20.0	23.6		ug/L		118	66 - 130
1,2,4-Trimethylbenzene	20.0	17.7		ug/L		89	70 - 132
1,2-Dibromo-3-Chloropropane	20.0	15.1		ug/L		76	63 - 130
1,2-Dichlorobenzene	20.0	23.9		ug/L		119	70 - 130
1,2-Dichloroethane	20.0	18.1		ug/L		90	70 - 130
1,2-Dichloropropane	20.0	18.3		ug/L		91	70 - 130
1,3,5-Trimethylbenzene	20.0	22.5		ug/L		112	65 - 134
1,3-Dichlorobenzene	20.0	24.2		ug/L		121	70 - 130
1,3-Dichloropropane	20.0	17.7		ug/L		88	70 - 130
1,4-Dichlorobenzene	20.0	23.5		ug/L		117	70 - 130
2,2-Dichloropropane	20.0	13.3		ug/L		66	66 - 134
2-Chlorotoluene	20.0	21.7		ug/L		109	70 - 130
2-Hexanone	40.0	31.2		ug/L		78	60 - 148
4-Chlorotoluene	20.0	22.1		ug/L		111	70 - 130

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

Lab Sample ID: LCS 660-119168/3
Matrix: Water
Analysis Batch: 119168

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Isopropyltoluene	20.0	22.7		ug/L		113	65 - 134
Acetone	40.0	43.8		ug/L		110	62 - 142
Benzene	20.0	19.1		ug/L		96	68 - 134
Bromobenzene	20.0	24.3		ug/L		121	70 - 130
Bromoform	20.0	16.4		ug/L		82	65 - 130
Bromomethane	20.0	19.3		ug/L		97	22 - 150
Carbon disulfide	40.0	40.6		ug/L		101	30 - 150
Carbon tetrachloride	20.0	16.3		ug/L		82	61 - 134
Chlorobenzene	20.0	21.4		ug/L		107	70 - 130
Chlorobromomethane	20.0	18.9		ug/L		94	70 - 130
Chlorodibromomethane	20.0	14.1		ug/L		71	70 - 130
Chloroethane	20.0	22.7		ug/L		114	39 - 150
Chloroform	20.0	18.1		ug/L		90	68 - 130
Chloromethane	20.0	16.2		ug/L		81	35 - 150
cis-1,2-Dichloroethene	20.0	18.7		ug/L		93	66 - 130
cis-1,3-Dichloropropene	20.0	13.7	J3	ug/L		69	70 - 130
Dibromomethane	20.0	17.8		ug/L		89	70 - 130
Dichlorobromomethane	20.0	16.8		ug/L		84	70 - 130
Dichlorodifluoromethane	20.0	14.2		ug/L		71	16 - 149
Ethylbenzene	20.0	22.1		ug/L		111	70 - 130
Ethylene Dibromide	20.0	17.5		ug/L		88	66 - 130
Hexachlorobutadiene	20.0	22.1		ug/L		110	62 - 143
Isopropylbenzene	20.0	23.0		ug/L		115	62 - 130
2-Butanone (MEK)	40.0	39.2		ug/L		98	63 - 140
4-Methyl-2-pentanone (MIBK)	40.0	33.2		ug/L		83	64 - 137
Methyl tert-butyl ether	40.0	28.9		ug/L		72	67 - 130
1,1,1,2-Tetrachloroethane	20.0	18.6		ug/L		93	70 - 130
Methylene Chloride	20.0	17.7		ug/L		88	57 - 130
Naphthalene	20.0	22.0		ug/L		110	50 - 136
n-Butylbenzene	20.0	21.1		ug/L		106	61 - 131
N-Propylbenzene	20.0	23.1		ug/L		116	67 - 130
o-Xylene	20.0	21.2		ug/L		106	69 - 130
sec-Butylbenzene	20.0	23.0		ug/L		115	68 - 133
Styrene	20.0	19.6		ug/L		98	68 - 131
tert-Butylbenzene	20.0	20.3		ug/L		102	64 - 130
Tetrachloroethene	20.0	21.5		ug/L		107	50 - 143
Toluene	20.0	18.3		ug/L		91	70 - 131
trans-1,2-Dichloroethene	20.0	19.1		ug/L		96	62 - 139
trans-1,3-Dichloropropene	20.0	12.3	J3	ug/L		62	67 - 130
Trichloroethene	20.0	20.8		ug/L		104	63 - 139
Trichlorofluoromethane	20.0	23.8		ug/L		119	62 - 146
Vinyl chloride	20.0	19.5		ug/L		98	48 - 147

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*92*		*70 - 130*
Dibromofluoromethane	*106*		*70 - 130*
Toluene-d8 (Surr)	*93*		*70 - 130*

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

Lab Sample ID: 660-45364-E-1 MS
Matrix: Water
Analysis Batch: 119168

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	0.46	U	20.0	16.3		ug/L		82	63 - 132
1,1,2,2-Tetrachloroethane	0.15	U	20.0	21.9		ug/L		110	70 - 130
1,1,2-Trichloroethane	0.47	U	20.0	18.7		ug/L		94	70 - 130
1,1-Dichloroethane	0.52	U	20.0	18.4		ug/L		92	66 - 130
1,1-Dichloroethene	0.45	U	20.0	19.1		ug/L		96	51 - 150
1,1-Dichloropropene	0.31	U	20.0	18.6		ug/L		93	65 - 136
1,2,3-Trichlorobenzene	0.77	U	20.0	23.7		ug/L		118	58 - 132
1,2,3-Trichloropropane	0.18	U	20.0	22.8		ug/L		114	66 - 130
1,2,4-Trichlorobenzene	0.58	U	20.0	23.9		ug/L		120	66 - 130
1,2,4-Trimethylbenzene	0.86	U	20.0	18.1		ug/L		90	70 - 132
1,2-Dibromo-3-Chloropropane	2.5	U	20.0	15.7		ug/L		78	63 - 130
1,2-Dichlorobenzene	0.44	U	20.0	24.0		ug/L		120	70 - 130
1,2-Dichloroethane	0.57	U	20.0	17.8		ug/L		89	70 - 130
1,2-Dichloropropane	0.52	U	20.0	18.7		ug/L		93	70 - 130
1,3,5-Trimethylbenzene	0.54	U	20.0	22.8		ug/L		114	65 - 134
1,3-Dichlorobenzene	0.64	U	20.0	24.6		ug/L		123	70 - 130
1,3-Dichloropropane	0.39	U	20.0	18.8		ug/L		94	70 - 130
1,4-Dichlorobenzene	0.52	U	20.0	24.1		ug/L		120	70 - 130
2,2-Dichloropropane	0.36	U	20.0	12.9	J3	ug/L		64	66 - 134
2-Chlorotoluene	0.65	U	20.0	22.3		ug/L		112	70 - 130
2-Hexanone	4.4	U	40.0	30.8		ug/L		77	60 - 148
4-Chlorotoluene	0.52	U	20.0	21.6		ug/L		108	70 - 130
4-Isopropyltoluene	0.69	U	20.0	23.0		ug/L		115	65 - 134
Acetone	10	I	40.0	42.5		ug/L		81	62 - 142
Benzene	0.50	U	20.0	19.3		ug/L		96	68 - 134
Bromobenzene	0.58	U	20.0	24.4		ug/L		122	70 - 130
Bromoform	0.58	U	20.0	17.4		ug/L		87	65 - 130
Bromomethane	2.5	U	20.0	17.9		ug/L		89	22 - 150
Carbon disulfide	1.0	U	40.0	40.6		ug/L		102	30 - 150
Carbon tetrachloride	0.42	U	20.0	16.5		ug/L		83	61 - 134
Chlorobenzene	0.63	U	20.0	23.3		ug/L		116	70 - 130
Chlorobromomethane	0.58	U	20.0	18.9		ug/L		95	70 - 130
Chlorodibromomethane	0.34	U	20.0	14.9		ug/L		75	70 - 130
Chloroethane	2.5	U	20.0	23.7		ug/L		118	39 - 150
Chloroform	0.90	U	20.0	17.6		ug/L		88	68 - 130
Chloromethane	1.0	U	20.0	17.6		ug/L		88	35 - 150
cis-1,2-Dichloroethene	0.65	U	20.0	18.5		ug/L		92	66 - 130
cis-1,3-Dichloropropene	0.14	U J3	20.0	14.1		ug/L		70	70 - 130
Dibromomethane	0.41	U	20.0	18.8		ug/L		94	70 - 130
Dichlorobromomethane	0.35	U	20.0	17.9		ug/L		89	70 - 130
Dichlorodifluoromethane	2.5	U	20.0	15.6		ug/L		78	16 - 149
Ethylbenzene	0.44	U	20.0	23.5		ug/L		117	70 - 130
Ethylene Dibromide	0.50	U	20.0	19.2		ug/L		96	66 - 130
Hexachlorobutadiene	0.40	U	20.0	22.7		ug/L		114	62 - 143
Isopropylbenzene	0.19	U	20.0	23.0		ug/L		115	62 - 130
2-Butanone (MEK)	8.4	U	40.0	38.3		ug/L		96	63 - 140
4-Methyl-2-pentanone (MIBK)	3.8	U	40.0	36.4		ug/L		91	64 - 137
Methyl tert-butyl ether	0.44	U	40.0	28.7		ug/L		72	67 - 130
1,1,1,2-Tetrachloroethane	0.63	U	20.0	19.4		ug/L		97	70 - 130

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

Lab Sample ID: 660-45364-E-1 MS
Matrix: Water
Analysis Batch: 119168

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	4.0	U	20.0	17.2		ug/L		86	57 - 130
Naphthalene	2.5	U	20.0	23.1		ug/L		116	50 - 136
n-Butylbenzene	0.67	U	20.0	21.3		ug/L		107	61 - 131
N-Propylbenzene	0.59	U	20.0	23.5		ug/L		117	67 - 130
o-Xylene	0.50	U	20.0	22.7		ug/L		113	69 - 130
sec-Butylbenzene	0.63	U	20.0	23.5		ug/L		117	68 - 133
Styrene	0.98	U	20.0	20.3		ug/L		101	68 - 131
tert-Butylbenzene	0.84	U	20.0	21.0		ug/L		105	64 - 130
Tetrachloroethene	0.50	U	20.0	21.4		ug/L		107	50 - 143
Toluene	0.51	U	20.0	19.4		ug/L		97	70 - 131
trans-1,2-Dichloroethene	0.44	U	20.0	18.9		ug/L		95	62 - 139
trans-1,3-Dichloropropene	0.14	U J3	20.0	12.8	J3	ug/L		64	67 - 130
Trichloroethene	0.50	U	20.0	19.8		ug/L		99	63 - 139
Trichlorofluoromethane	2.5	U	20.0	25.9		ug/L		130	62 - 146
Vinyl chloride	0.50	U	20.0	20.2		ug/L		101	48 - 147

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*87*		*70 - 130*
Dibromofluoromethane	*100*		*70 - 130*
Toluene-d8 (Surr)	*94*		*70 - 130*

Lab Sample ID: 660-45364-F-1 DU
Matrix: Water
Analysis Batch: 119168

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
1,1,1-Trichloroethane	0.46	U	0.46	U	ug/L		NC	30
1,1,2,2-Tetrachloroethane	0.15	U	0.15	U	ug/L		NC	30
1,1,2-Trichloroethane	0.47	U	0.47	U	ug/L		NC	30
1,1-Dichloroethane	0.52	U	0.52	U	ug/L		NC	30
1,1-Dichloroethene	0.45	U	0.45	U	ug/L		NC	30
1,1-Dichloropropene	0.31	U	0.31	U	ug/L		NC	30
1,2,3-Trichlorobenzene	0.77	U	0.77	U	ug/L		NC	30
1,2,3-Trichloropropane	0.18	U	0.18	U	ug/L		NC	30
1,2,4-Trichlorobenzene	0.58	U	0.58	U	ug/L		NC	30
1,2,4-Trimethylbenzene	0.86	U	0.86	U	ug/L		NC	30
1,2-Dibromo-3-Chloropropane	2.5	U	2.5	U	ug/L		NC	30
1,2-Dichlorobenzene	0.44	U	0.44	U	ug/L		NC	30
1,2-Dichloroethane	0.57	U	0.57	U	ug/L		NC	30
1,2-Dichloropropane	0.52	U	0.52	U	ug/L		NC	30
1,3,5-Trimethylbenzene	0.54	U	0.54	U	ug/L		NC	30
1,3-Dichlorobenzene	0.64	U	0.64	U	ug/L		NC	30
1,3-Dichloropropane	0.39	U	0.39	U	ug/L		NC	30
1,4-Dichlorobenzene	0.52	U	0.52	U	ug/L		NC	30
2,2-Dichloropropane	0.36	U	0.36	U	ug/L		NC	30
2-Chlorotoluene	0.65	U	0.65	U	ug/L		NC	30
2-Hexanone	4.4	U	4.4	U	ug/L		NC	30
4-Chlorotoluene	0.52	U	0.52	U	ug/L		NC	30
4-Isopropyltoluene	0.69	U	0.69	U	ug/L		NC	30

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

Lab Sample ID: 660-45364-F-1 DU
Matrix: Water
Analysis Batch: 119168

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Acetone	10	I		9.9	U	ug/L				NC	30
Benzene	0.50	U		0.50	U	ug/L				NC	30
Bromobenzene	0.58	U		0.58	U	ug/L				NC	30
Bromoform	0.58	U		0.58	U	ug/L				NC	30
Bromomethane	2.5	U		2.5	U	ug/L				NC	30
Carbon disulfide	1.0	U		1.0	U	ug/L				NC	30
Carbon tetrachloride	0.42	U		0.42	U	ug/L				NC	30
Chlorobenzene	0.63	U		0.63	U	ug/L				NC	30
Chlorobromomethane	0.58	U		0.58	U	ug/L				NC	30
Chlorodibromomethane	0.34	U		0.34	U	ug/L				NC	30
Chloroethane	2.5	U		2.5	U	ug/L				NC	30
Chloroform	0.90	U		0.90	U	ug/L				NC	30
Chloromethane	1.0	U		1.0	U	ug/L				NC	30
cis-1,2-Dichloroethene	0.65	U		0.65	U	ug/L				NC	30
cis-1,3-Dichloropropene	0.14	U J3		0.14	U J3	ug/L				NC	30
Dibromomethane	0.41	U		0.41	U	ug/L				NC	30
Dichlorobromomethane	0.35	U		0.35	U	ug/L				NC	30
Dichlorodifluoromethane	2.5	U		2.5	U	ug/L				NC	30
Ethylbenzene	0.44	U		0.44	U	ug/L				NC	30
Ethylene Dibromide	0.50	U		0.50	U	ug/L				NC	30
Hexachlorobutadiene	0.40	U		0.40	U	ug/L				NC	30
Isopropylbenzene	0.19	U		0.19	U	ug/L				NC	30
2-Butanone (MEK)	8.4	U		8.4	U	ug/L				NC	30
4-Methyl-2-pentanone (MIBK)	3.8	U		3.8	U	ug/L				NC	30
Methyl tert-butyl ether	0.44	U		0.44	U	ug/L				NC	30
1,1,1,2-Tetrachloroethane	0.63	U		0.63	U	ug/L				NC	30
Methylene Chloride	4.0	U		4.0	U	ug/L				NC	30
m-Xylene & p-Xylene	0.60	U		0.60	U	ug/L				NC	30
Naphthalene	2.5	U		2.5	U	ug/L				NC	30
n-Butylbenzene	0.67	U		0.67	U	ug/L				NC	30
N-Propylbenzene	0.59	U		0.59	U	ug/L				NC	30
o-Xylene	0.50	U		0.50	U	ug/L				NC	30
sec-Butylbenzene	0.63	U		0.63	U	ug/L				NC	30
Styrene	0.98	U		0.98	U	ug/L				NC	30
tert-Butylbenzene	0.84	U		0.84	U	ug/L				NC	30
Tetrachloroethene	0.50	U		0.50	U	ug/L				NC	30
Toluene	0.51	U		0.51	U	ug/L				NC	30
trans-1,2-Dichloroethene	0.44	U		0.44	U	ug/L				NC	30
trans-1,3-Dichloropropene	0.14	U J3		0.14	U J3	ug/L				NC	30
Trichloroethene	0.50	U		0.50	U	ug/L				NC	30
Trichlorofluoromethane	2.5	U		2.5	U	ug/L				NC	30
Vinyl chloride	0.50	U		0.50	U	ug/L				NC	30

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
4-Bromofluorobenzene	*89*		*70 - 130*
Dibromofluoromethane	*101*		*70 - 130*
Toluene-d8 (Surr)	*93*		*70 - 130*

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

Lab Sample ID: MB 660-119211/7
Matrix: Water
Analysis Batch: 119211

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			12/23/11 12:03	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			12/23/11 12:03	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			12/23/11 12:03	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			12/23/11 12:03	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			12/23/11 12:03	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			12/23/11 12:03	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			12/23/11 12:03	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			12/23/11 12:03	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			12/23/11 12:03	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			12/23/11 12:03	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			12/23/11 12:03	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			12/23/11 12:03	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			12/23/11 12:03	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			12/23/11 12:03	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			12/23/11 12:03	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			12/23/11 12:03	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			12/23/11 12:03	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			12/23/11 12:03	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/23/11 12:03	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			12/23/11 12:03	1
2-Hexanone	4.4	U	10	4.4	ug/L			12/23/11 12:03	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			12/23/11 12:03	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			12/23/11 12:03	1
Acetone	9.9	U	20	9.9	ug/L			12/23/11 12:03	1
Benzene	0.50	U	1.0	0.50	ug/L			12/23/11 12:03	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			12/23/11 12:03	1
Bromoform	0.58	U	1.0	0.58	ug/L			12/23/11 12:03	1
Bromomethane	2.5	U	5.0	2.5	ug/L			12/23/11 12:03	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			12/23/11 12:03	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			12/23/11 12:03	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			12/23/11 12:03	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			12/23/11 12:03	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			12/23/11 12:03	1
Chloroethane	2.5	U	5.0	2.5	ug/L			12/23/11 12:03	1
Chloroform	0.90	U	1.0	0.90	ug/L			12/23/11 12:03	1
Chloromethane	1.0	U	4.0	1.0	ug/L			12/23/11 12:03	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			12/23/11 12:03	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/23/11 12:03	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			12/23/11 12:03	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			12/23/11 12:03	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			12/23/11 12:03	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			12/23/11 12:03	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			12/23/11 12:03	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			12/23/11 12:03	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			12/23/11 12:03	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			12/23/11 12:03	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			12/23/11 12:03	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			12/23/11 12:03	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			12/23/11 12:03	1

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

Lab Sample ID: MB 660-119211/7
Matrix: Water
Analysis Batch: 119211

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	4.0	U	5.0	4.0	ug/L			12/23/11 12:03	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			12/23/11 12:03	1
Naphthalene	2.5	U	5.0	2.5	ug/L			12/23/11 12:03	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			12/23/11 12:03	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			12/23/11 12:03	1
o-Xylene	0.50	U	1.0	0.50	ug/L			12/23/11 12:03	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			12/23/11 12:03	1
Styrene	0.98	U	2.0	0.98	ug/L			12/23/11 12:03	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			12/23/11 12:03	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			12/23/11 12:03	1
Toluene	0.51	U	1.0	0.51	ug/L			12/23/11 12:03	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			12/23/11 12:03	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/23/11 12:03	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			12/23/11 12:03	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			12/23/11 12:03	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/23/11 12:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*70 - 130*		*12/23/11 12:03*	*1*
Dibromofluoromethane	*97*		*70 - 130*		*12/23/11 12:03*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*12/23/11 12:03*	*1*

Lab Sample ID: LCS 660-119211/4
Matrix: Water
Analysis Batch: 119211

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-Trichloroethane	20.0	16.4		ug/L		82	63 - 132
1,1,2,2-Tetrachloroethane	20.0	20.2		ug/L		101	70 - 130
1,1,2-Trichloroethane	20.0	19.4		ug/L		97	70 - 130
1,1-Dichloroethane	20.0	17.7		ug/L		88	66 - 130
1,1-Dichloroethene	20.0	16.2		ug/L		81	51 - 150
1,1-Dichloropropene	20.0	16.7		ug/L		84	65 - 136
1,2,3-Trichlorobenzene	20.0	19.7		ug/L		99	58 - 132
1,2,3-Trichloropropane	20.0	19.8		ug/L		99	66 - 130
1,2,4-Trichlorobenzene	20.0	19.4		ug/L		97	66 - 130
1,2,4-Trimethylbenzene	20.0	18.8		ug/L		94	70 - 132
1,2-Dibromo-3-Chloropropane	20.0	19.9		ug/L		99	63 - 130
1,2-Dichlorobenzene	20.0	19.7		ug/L		99	70 - 130
1,2-Dichloroethane	20.0	18.8		ug/L		94	70 - 130
1,2-Dichloropropane	20.0	19.2		ug/L		96	70 - 130
1,3,5-Trimethylbenzene	20.0	18.3		ug/L		92	65 - 134
1,3-Dichlorobenzene	20.0	19.0		ug/L		95	70 - 130
1,3-Dichloropropane	20.0	19.9		ug/L		99	70 - 130
1,4-Dichlorobenzene	20.0	19.1		ug/L		96	70 - 130
2,2-Dichloropropane	20.0	17.1		ug/L		85	66 - 134
2-Chlorotoluene	20.0	18.7		ug/L		93	70 - 130
2-Hexanone	40.0	41.5		ug/L		104	60 - 148
4-Chlorotoluene	20.0	18.7		ug/L		93	70 - 130

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

Lab Sample ID: LCS 660-119211/4
Matrix: Water
Analysis Batch: 119211

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Isopropyltoluene	20.0	18.8		ug/L		94	65 - 134
Acetone	40.0	41.7		ug/L		104	62 - 142
Benzene	20.0	18.0		ug/L		90	68 - 134
Bromobenzene	20.0	19.5		ug/L		98	70 - 130
Bromoform	20.0	19.3		ug/L		97	65 - 130
Bromomethane	20.0	11.1		ug/L		56	22 - 150
Carbon disulfide	40.0	46.7		ug/L		117	30 - 150
Carbon tetrachloride	20.0	16.2		ug/L		81	61 - 134
Chlorobenzene	20.0	18.6		ug/L		93	70 - 130
Chlorobromomethane	20.0	18.8		ug/L		94	70 - 130
Chlorodibromomethane	20.0	19.0		ug/L		95	70 - 130
Chloroethane	20.0	19.1		ug/L		96	39 - 150
Chloroform	20.0	16.9		ug/L		85	68 - 130
Chloromethane	20.0	13.7		ug/L		69	35 - 150
cis-1,2-Dichloroethene	20.0	18.0		ug/L		90	66 - 130
cis-1,3-Dichloropropene	20.0	19.7		ug/L		99	70 - 130
Dibromomethane	20.0	19.8		ug/L		99	70 - 130
Dichlorobromomethane	20.0	18.9		ug/L		95	70 - 130
Dichlorodifluoromethane	20.0	24.6		ug/L		123	16 - 149
Ethylbenzene	20.0	18.4		ug/L		92	70 - 130
Ethylene Dibromide	20.0	19.5		ug/L		97	66 - 130
Hexachlorobutadiene	20.0	17.2		ug/L		86	62 - 143
Isopropylbenzene	20.0	18.3		ug/L		91	62 - 130
2-Butanone (MEK)	40.0	43.0		ug/L		107	63 - 140
4-Methyl-2-pentanone (MIBK)	40.0	42.2		ug/L		105	64 - 137
Methyl tert-butyl ether	40.0	39.7		ug/L		99	67 - 130
1,1,1,2-Tetrachloroethane	20.0	18.2		ug/L		91	70 - 130
Methylene Chloride	20.0	17.4		ug/L		87	57 - 130
Naphthalene	20.0	19.3		ug/L		97	50 - 136
n-Butylbenzene	20.0	18.1		ug/L		91	61 - 131
N-Propylbenzene	20.0	18.3		ug/L		91	67 - 130
o-Xylene	20.0	18.5		ug/L		93	69 - 130
sec-Butylbenzene	20.0	18.2		ug/L		91	68 - 133
Styrene	20.0	19.0		ug/L		95	68 - 131
tert-Butylbenzene	20.0	18.7		ug/L		94	64 - 130
Tetrachloroethene	20.0	14.4		ug/L		72	50 - 143
Toluene	20.0	17.9		ug/L		89	70 - 131
trans-1,2-Dichloroethene	20.0	17.3		ug/L		86	62 - 139
trans-1,3-Dichloropropene	20.0	20.0		ug/L		100	67 - 130
Trichloroethene	20.0	17.4		ug/L		87	63 - 139
Trichlorofluoromethane	20.0	18.8		ug/L		94	62 - 146
Vinyl chloride	20.0	18.0		ug/L		90	48 - 147

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*70 - 130*
Dibromofluoromethane	*99*		*70 - 130*
Toluene-d8 (Surr)	*99*		*70 - 130*

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

Lab Sample ID: 660-45272-6 MS
Matrix: Water
Analysis Batch: 119211

Client Sample ID: MW-23
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	0.46	U	20.0	16.3		ug/L		81	63 - 132
1,1,2,2-Tetrachloroethane	0.15	U	20.0	20.3		ug/L		101	70 - 130
1,1,2-Trichloroethane	0.47	U	20.0	20.3		ug/L		102	70 - 130
1,1-Dichloroethane	0.52	U	20.0	18.6		ug/L		93	66 - 130
1,1-Dichloroethene	0.45	U	20.0	16.2		ug/L		81	51 - 150
1,1-Dichloropropene	0.31	U	20.0	16.2		ug/L		81	65 - 136
1,2,3-Trichlorobenzene	0.77	U	20.0	20.1		ug/L		100	58 - 132
1,2,3-Trichloropropane	0.18	U	20.0	20.1		ug/L		100	66 - 130
1,2,4-Trichlorobenzene	0.58	U	20.0	19.6		ug/L		98	66 - 130
1,2,4-Trimethylbenzene	0.86	U	20.0	19.5		ug/L		98	70 - 132
1,2-Dibromo-3-Chloropropane	2.5	U	20.0	19.5		ug/L		98	63 - 130
1,2-Dichlorobenzene	0.44	U	20.0	20.3		ug/L		101	70 - 130
1,2-Dichloroethane	0.57	U	20.0	19.7		ug/L		98	70 - 130
1,2-Dichloropropane	0.52	U	20.0	20.4		ug/L		102	70 - 130
1,3,5-Trimethylbenzene	0.54	U	20.0	19.2		ug/L		96	65 - 134
1,3-Dichlorobenzene	0.64	U	20.0	19.9		ug/L		100	70 - 130
1,3-Dichloropropane	0.39	U	20.0	20.7		ug/L		103	70 - 130
1,4-Dichlorobenzene	0.52	U	20.0	20.4		ug/L		102	70 - 130
2,2-Dichloropropane	0.36	U	20.0	16.8		ug/L		84	66 - 134
2-Chlorotoluene	0.65	U	20.0	19.1		ug/L		95	70 - 130
2-Hexanone	4.4	U	40.0	42.1		ug/L		105	60 - 148
4-Chlorotoluene	0.52	U	20.0	19.9		ug/L		99	70 - 130
4-Isopropyltoluene	0.69	U	20.0	19.0		ug/L		95	65 - 134
Acetone	9.9	U	40.0	42.4		ug/L		106	62 - 142
Benzene	0.50	U	20.0	18.8		ug/L		94	68 - 134
Bromobenzene	0.58	U	20.0	19.9		ug/L		99	70 - 130
Bromoform	0.58	U	20.0	19.1		ug/L		96	65 - 130
Bromomethane	2.5	U	20.0	6.89		ug/L		34	22 - 150
Carbon disulfide	1.0	U	40.0	49.6		ug/L		124	30 - 150
Carbon tetrachloride	0.42	U	20.0	15.7		ug/L		78	61 - 134
Chlorobenzene	0.63	U	20.0	19.9		ug/L		100	70 - 130
Chlorobromomethane	0.58	U	20.0	20.5		ug/L		103	70 - 130
Chlorodibromomethane	0.34	U	20.0	19.8		ug/L		99	70 - 130
Chloroethane	2.5	U	20.0	16.6		ug/L		83	39 - 150
Chloroform	0.90	U	20.0	17.7		ug/L		89	68 - 130
Chloromethane	1.0	U	20.0	13.7		ug/L		69	35 - 150
cis-1,2-Dichloroethene	0.65	U	20.0	19.2		ug/L		96	66 - 130
cis-1,3-Dichloropropene	0.14	U	20.0	20.7		ug/L		104	70 - 130
Dibromomethane	0.41	U	20.0	20.8		ug/L		104	70 - 130
Dichlorobromomethane	0.35	U	20.0	20.1		ug/L		100	70 - 130
Dichlorodifluoromethane	2.5	U	20.0	22.5		ug/L		113	16 - 149
Ethylbenzene	0.44	U	20.0	19.4		ug/L		97	70 - 130
Ethylene Dibromide	0.50	U	20.0	20.4		ug/L		102	66 - 130
Hexachlorobutadiene	0.40	U	20.0	16.4		ug/L		82	62 - 143
Isopropylbenzene	0.19	U	20.0	18.2		ug/L		91	62 - 130
2-Butanone (MEK)	8.4	U	40.0	42.5		ug/L		106	63 - 140
4-Methyl-2-pentanone (MIBK)	3.8	U	40.0	42.9		ug/L		107	64 - 137
Methyl tert-butyl ether	0.44	U	40.0	41.3		ug/L		103	67 - 130
1,1,1,2-Tetrachloroethane	0.63	U	20.0	19.7		ug/L		99	70 - 130

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

Lab Sample ID: 660-45272-6 MS
Matrix: Water
Analysis Batch: 119211

Client Sample ID: MW-23
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	4.0	U	20.0	18.3		ug/L		91	57 - 130
Naphthalene	2.5	U	20.0	19.4		ug/L		97	50 - 136
n-Butylbenzene	0.67	U	20.0	17.9		ug/L		90	61 - 131
N-Propylbenzene	0.59	U	20.0	18.3		ug/L		92	67 - 130
o-Xylene	0.50	U	20.0	19.5		ug/L		98	69 - 130
sec-Butylbenzene	0.63	U	20.0	17.6		ug/L		88	68 - 133
Styrene	0.98	U	20.0	20.3		ug/L		102	68 - 131
tert-Butylbenzene	0.84	U	20.0	19.0		ug/L		95	64 - 130
Tetrachloroethene	0.50	U	20.0	14.4		ug/L		72	50 - 143
Toluene	0.51	U	20.0	19.0		ug/L		95	70 - 131
trans-1,2-Dichloroethene	0.44	U	20.0	17.7		ug/L		89	62 - 139
trans-1,3-Dichloropropene	0.14	U	20.0	20.3		ug/L		102	67 - 130
Trichloroethene	0.50	U	20.0	17.9		ug/L		89	63 - 139
Trichlorofluoromethane	2.5	U	20.0	17.0		ug/L		85	62 - 146
Vinyl chloride	0.50	U	20.0	17.5		ug/L		87	48 - 147

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*99*		*70 - 130*
Dibromofluoromethane	*99*		*70 - 130*
Toluene-d8 (Surr)	*99*		*70 - 130*

Lab Sample ID: 660-45272-6 MSD
Matrix: Water
Analysis Batch: 119211

Client Sample ID: MW-23
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	0.46	U	20.0	19.3		ug/L		96	63 - 132	17	30
1,1,2,2-Tetrachloroethane	0.15	U	20.0	20.8		ug/L		104	70 - 130	2	30
1,1,2-Trichloroethane	0.47	U	20.0	20.7		ug/L		104	70 - 130	2	30
1,1-Dichloroethane	0.52	U	20.0	20.0		ug/L		100	66 - 130	7	30
1,1-Dichloroethene	0.45	U	20.0	19.5		ug/L		97	51 - 150	18	30
1,1-Dichloropropene	0.31	U	20.0	20.3		ug/L		101	65 - 136	23	30
1,2,3-Trichlorobenzene	0.77	U	20.0	21.1		ug/L		105	58 - 132	5	30
1,2,3-Trichloropropane	0.18	U	20.0	20.6		ug/L		103	66 - 130	2	30
1,2,4-Trichlorobenzene	0.58	U	20.0	20.6		ug/L		103	66 - 130	5	30
1,2,4-Trimethylbenzene	0.86	U	20.0	20.7		ug/L		104	70 - 132	6	30
1,2-Dibromo-3-Chloropropane	2.5	U	20.0	20.8		ug/L		104	63 - 130	7	30
1,2-Dichlorobenzene	0.44	U	20.0	20.7		ug/L		104	70 - 130	2	30
1,2-Dichloroethane	0.57	U	20.0	20.2		ug/L		101	70 - 130	2	30
1,2-Dichloropropane	0.52	U	20.0	21.3		ug/L		107	70 - 130	4	30
1,3,5-Trimethylbenzene	0.54	U	20.0	20.8		ug/L		104	65 - 134	8	30
1,3-Dichlorobenzene	0.64	U	20.0	20.3		ug/L		102	70 - 130	2	30
1,3-Dichloropropane	0.39	U	20.0	21.1		ug/L		106	70 - 130	2	30
1,4-Dichlorobenzene	0.52	U	20.0	20.8		ug/L		104	70 - 130	2	30
2,2-Dichloropropane	0.36	U	20.0	19.6		ug/L		98	66 - 134	15	30
2-Chlorotoluene	0.65	U	20.0	20.4		ug/L		102	70 - 130	7	30
2-Hexanone	4.4	U	40.0	43.8		ug/L		109	60 - 148	4	30
4-Chlorotoluene	0.52	U	20.0	20.7		ug/L		103	70 - 130	4	30
4-Isopropyltoluene	0.69	U	20.0	21.2		ug/L		106	65 - 134	11	30

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

Lab Sample ID: 660-45272-6 MSD
Matrix: Water
Analysis Batch: 119211

Client Sample ID: MW-23
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	9.9	U	40.0	44.8		ug/L		112	62 - 142	6	30
Benzene	0.50	U	20.0	20.6		ug/L		103	68 - 134	9	30
Bromobenzene	0.58	U	20.0	20.8		ug/L		104	70 - 130	5	30
Bromoform	0.58	U	20.0	19.8		ug/L		99	65 - 130	4	30
Bromomethane	2.5	U	20.0	7.49		ug/L		37	22 - 150	8	30
Carbon disulfide	1.0	U	40.0	49.8		ug/L		125	30 - 150	0	30
Carbon tetrachloride	0.42	U	20.0	19.6		ug/L		98	61 - 134	22	30
Chlorobenzene	0.63	U	20.0	20.6		ug/L		103	70 - 130	3	30
Chlorobromomethane	0.58	U	20.0	19.6		ug/L		98	70 - 130	4	30
Chlorodibromomethane	0.34	U	20.0	20.1		ug/L		100	70 - 130	1	30
Chloroethane	2.5	U	20.0	19.0		ug/L		95	39 - 150	14	30
Chloroform	0.90	U	20.0	18.5		ug/L		93	68 - 130	4	30
Chloromethane	1.0	U	20.0	13.9		ug/L		70	35 - 150	1	30
cis-1,2-Dichloroethene	0.65	U	20.0	20.0		ug/L		100	66 - 130	4	30
cis-1,3-Dichloropropene	0.14	U	20.0	20.9		ug/L		105	70 - 130	1	30
Dibromomethane	0.41	U	20.0	21.2		ug/L		106	70 - 130	2	30
Dichlorobromomethane	0.35	U	20.0	20.2		ug/L		101	70 - 130	0	30
Dichlorodifluoromethane	2.5	U	20.0	24.7		ug/L		124	16 - 149	9	30
Ethylbenzene	0.44	U	20.0	21.1		ug/L		106	70 - 130	9	30
Ethylene Dibromide	0.50	U	20.0	20.7		ug/L		103	66 - 130	1	30
Hexachlorobutadiene	0.40	U	20.0	19.0		ug/L		95	62 - 143	15	30
Isopropylbenzene	0.19	U	20.0	20.8		ug/L		104	62 - 130	13	30
2-Butanone (MEK)	8.4	U	40.0	45.0		ug/L		113	63 - 140	6	30
4-Methyl-2-pentanone (MIBK)	3.8	U	40.0	43.4		ug/L		109	64 - 137	1	30
Methyl tert-butyl ether	0.44	U	40.0	42.3		ug/L		106	67 - 130	2	30
1,1,1,2-Tetrachloroethane	0.63	U	20.0	19.9		ug/L		100	70 - 130	1	30
Methylene Chloride	4.0	U	20.0	19.0		ug/L		95	57 - 130	4	30
Naphthalene	2.5	U	20.0	20.5		ug/L		103	50 - 136	6	30
n-Butylbenzene	0.67	U	20.0	20.6		ug/L		103	61 - 131	14	30
N-Propylbenzene	0.59	U	20.0	20.7		ug/L		103	67 - 130	12	30
o-Xylene	0.50	U	20.0	20.4		ug/L		102	69 - 130	4	30
sec-Butylbenzene	0.63	U	20.0	20.7		ug/L		104	68 - 133	16	30
Styrene	0.98	U	20.0	20.5		ug/L		103	68 - 131	1	30
tert-Butylbenzene	0.84	U	20.0	21.0		ug/L		105	64 - 130	10	30
Tetrachloroethene	0.50	U	20.0	16.7		ug/L		84	50 - 143	15	30
Toluene	0.51	U	20.0	20.4		ug/L		102	70 - 131	7	30
trans-1,2-Dichloroethene	0.44	U	20.0	19.8		ug/L		99	62 - 139	11	30
trans-1,3-Dichloropropene	0.14	U	20.0	20.7		ug/L		103	67 - 130	2	30
Trichloroethene	0.50	U	20.0	20.1		ug/L		100	63 - 139	12	30
Trichlorofluoromethane	2.5	U	20.0	18.2		ug/L		91	62 - 146	7	30
Vinyl chloride	0.50	U	20.0	18.7		ug/L		93	48 - 147	7	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*99*		*70 - 130*
Dibromofluoromethane	*100*		*70 - 130*
Toluene-d8 (Surr)	*100*		*70 - 130*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Lab Sample ID: MB 660-119129/9 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 119129

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			12/22/11 13:51	1

Lab Sample ID: LCS 660-119129/6 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 119129

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dioxane	25.0	19.5		ug/L		78	50 - 150

Lab Sample ID: 640-36698-A-2 MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 119129

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dioxane	310		125	401		ug/L		69	50 - 150

Lab Sample ID: 640-36698-A-2 MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 119129

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dioxane	310		125	406		ug/L		73	50 - 150	1	50

Lab Sample ID: MB 660-119177/6 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 119177

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			12/22/11 03:52	1

Lab Sample ID: LCS 660-119177/4 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 119177

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dioxane	25.0	24.1		ug/L		96	50 - 150

Lab Sample ID: 660-45241-B-12 MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 119177

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dioxane	26		25.0	50.7		ug/L		100	50 - 150

Lab Sample ID: 660-45241-B-12 DU — **Client Sample ID: Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 119177

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
1,4-Dioxane	26		26.6		ug/L		3	50

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution (Continued)

Lab Sample ID: MB 660-119187/6 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 119187

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			12/23/11 09:09	1

Lab Sample ID: LCS 660-119187/4 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 119187

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dioxane	25.0	21.6		ug/L		86	50 - 150

Lab Sample ID: 660-45272-6 MS — **Client Sample ID: MW-23**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 119187

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dioxane	3.1		25.0	24.2		ug/L		84	50 - 150

Lab Sample ID: 660-45272-6 MSD — **Client Sample ID: MW-23**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 119187

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dioxane	3.1		25.0	25.2		ug/L		89	50 - 150	4	50

Lab Sample ID: MB 660-119244/17 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 119244

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			12/27/11 21:18	1

Lab Sample ID: LCS 660-119244/15 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 119244

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dioxane	25.0	23.2		ug/L		93	50 - 150

Lab Sample ID: 660-45409-D-1 MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 119244

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dioxane	1.0	U	25.0	22.3		ug/L		89	50 - 150

Lab Sample ID: 660-45409-D-1 DU — **Client Sample ID: Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 119244

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
1,4-Dioxane	1.0	U	1.0	U	ug/L		NC	50

GC/MS VOA

Analysis Batch: 119129

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-36698-A-2 MS	Matrix Spike	Total/NA	Water	8260C _SIM/ID	
640-36698-A-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260C _SIM/ID	
660-45272-2	Dup-02-12142011	Total/NA	Water	8260C _SIM/ID	
660-45272-7	Dup-01-12132011	Total/NA	Water	8260C _SIM/ID	
LCS 660-119129/6	Lab Control Sample	Total/NA	Water	8260C _SIM/ID	
MB 660-119129/9	Method Blank	Total/NA	Water	8260C _SIM/ID	

Analysis Batch: 119168

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-45272-1	TB-12152011	Total/NA	Water	8260B	
660-45272-2 - DL	Dup-02-12142011	Total/NA	Water	8260B	
660-45272-2	Dup-02-12142011	Total/NA	Water	8260B	
660-45272-3	MW-19	Total/NA	Water	8260B	
660-45272-4 - DL	MW-253	Total/NA	Water	8260B	
660-45272-4	MW-253	Total/NA	Water	8260B	
660-45272-5	MW-63	Total/NA	Water	8260B	
660-45272-7 - DL	Dup-01-12132011	Total/NA	Water	8260B	
660-45272-7	Dup-01-12132011	Total/NA	Water	8260B	
660-45272-8	MW-35	Total/NA	Water	8260B	
660-45272-9	MW-80	Total/NA	Water	8260B	
660-45272-10 - DL	MW-98	Total/NA	Water	8260B	
660-45272-10	MW-98	Total/NA	Water	8260B	
660-45364-E-1 MS	Matrix Spike	Total/NA	Water	8260B	
660-45364-F-1 DU	Duplicate	Total/NA	Water	8260B	
LCS 660-119168/3	Lab Control Sample	Total/NA	Water	8260B	
MB 660-119168/5	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 119177

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-45241-B-12 DU	Duplicate	Total/NA	Water	8260C _SIM/ID	
660-45241-B-12 MS	Matrix Spike	Total/NA	Water	8260C _SIM/ID	
660-45272-3	MW-19	Total/NA	Water	8260C _SIM/ID	
660-45272-4	MW-253	Total/NA	Water	8260C _SIM/ID	
660-45272-5	MW-63	Total/NA	Water	8260C _SIM/ID	
660-45272-8	MW-35	Total/NA	Water	8260C _SIM/ID	
660-45272-9	MW-80	Total/NA	Water	8260C _SIM/ID	
660-45272-10	MW-98	Total/NA	Water	8260C _SIM/ID	
660-45272-11	MW-72	Total/NA	Water	8260C _SIM/ID	
660-45272-12	MW-100	Total/NA	Water	8260C _SIM/ID	
660-45272-13	MW-37	Total/NA	Water	8260C _SIM/ID	
660-45272-14	FB-02-12132011	Total/NA	Water	8260C _SIM/ID	
660-45272-15	MW-43	Total/NA	Water	8260C _SIM/ID	
660-45272-16	MW-42	Total/NA	Water	8260C _SIM/ID	
LCS 660-119177/4	Lab Control Sample	Total/NA	Water	8260C _SIM/ID	
MB 660-119177/6	Method Blank	Total/NA	Water	8260C _SIM/ID	

Analysis Batch: 119187

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-45272-6	MW-23	Total/NA	Water	8260C _SIM/ID	
660-45272-6 MS	MW-23	Total/NA	Water	8260C _SIM/ID	
660-45272-6 MSD	MW-23	Total/NA	Water	8260C _SIM/ID	
660-45272-17	MW-36	Total/NA	Water	8260C _SIM/ID	

GC/MS VOA (Continued)

Analysis Batch: 119187 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-45272-18	MW-40	Total/NA	Water	8260C _SIM/ID	
LCS 660-119187/4	Lab Control Sample	Total/NA	Water	8260C _SIM/ID	
MB 660-119187/6	Method Blank	Total/NA	Water	8260C _SIM/ID	

Analysis Batch: 119211

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-45272-6	MW-23	Total/NA	Water	8260B	
660-45272-6 MS	MW-23	Total/NA	Water	8260B	
660-45272-6 MSD	MW-23	Total/NA	Water	8260B	
660-45272-11	MW-72	Total/NA	Water	8260B	
660-45272-12	MW-100	Total/NA	Water	8260B	
660-45272-13 - DL	MW-37	Total/NA	Water	8260B	
660-45272-13	MW-37	Total/NA	Water	8260B	
660-45272-14	FB-02-12132011	Total/NA	Water	8260B	
660-45272-15	MW-43	Total/NA	Water	8260B	
660-45272-16 - DL	MW-42	Total/NA	Water	8260B	
660-45272-16	MW-42	Total/NA	Water	8260B	
660-45272-17	MW-36	Total/NA	Water	8260B	
660-45272-18	MW-40	Total/NA	Water	8260B	
LCS 660-119211/4	Lab Control Sample	Total/NA	Water	8260B	
MB 660-119211/7	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 119244

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-45272-1	TB-12152011	Total/NA	Water	8260C _SIM/ID	
660-45409-D-1 DU	Duplicate	Total/NA	Water	8260C _SIM/ID	
660-45409-D-1 MS	Matrix Spike	Total/NA	Water	8260C _SIM/ID	
LCS 660-119244/15	Lab Control Sample	Total/NA	Water	8260C _SIM/ID	
MB 660-119244/17	Method Blank	Total/NA	Water	8260C _SIM/ID	

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: Tallevast SemiAnnual

TestAmerica Job ID: 660-45272-1
SDG: 45272

Client Sample ID: TB-12152011 — Lab Sample ID: 660-45272-1

Date Collected: 12/15/11 12:00 — **Matrix: Water**
Date Received: 12/16/11 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	119168	12/23/11 09:27	EC	TAL TAM
Total/NA	Analysis	8260C _SIM/ID		1	119244	12/28/11 02:13	RM	TAL TAM

Client Sample ID: Dup-02-12142011 — Lab Sample ID: 660-45272-2

Date Collected: 12/14/11 00:00 — **Matrix: Water**
Date Received: 12/16/11 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C _SIM/ID		10	119129	12/22/11 16:53	TP	TAL TAM
Total/NA	Analysis	8260B	DL	50	119168	12/23/11 11:31	EC	TAL TAM
Total/NA	Analysis	8260B		5	119168	12/23/11 16:57	EC	TAL TAM

Client Sample ID: MW-19 — Lab Sample ID: 660-45272-3

Date Collected: 12/14/11 15:25 — **Matrix: Water**
Date Received: 12/16/11 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	119168	12/23/11 13:39	EC	TAL TAM
Total/NA	Analysis	8260C _SIM/ID		1	119177	12/22/11 07:41	RM	TAL TAM

Client Sample ID: MW-253 — Lab Sample ID: 660-45272-4

Date Collected: 12/14/11 11:15 — **Matrix: Water**
Date Received: 12/16/11 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL	100	119168	12/23/11 11:10	EC	TAL TAM
Total/NA	Analysis	8260B		10	119168	12/23/11 16:39	EC	TAL TAM
Total/NA	Analysis	8260C _SIM/ID		10	119177	12/22/11 08:04	RM	TAL TAM

Client Sample ID: MW-63 — Lab Sample ID: 660-45272-5

Date Collected: 12/13/11 13:13 — **Matrix: Water**
Date Received: 12/16/11 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	119168	12/23/11 13:57	EC	TAL TAM
Total/NA	Analysis	8260C _SIM/ID		1	119177	12/22/11 08:26	RM	TAL TAM

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: Tallevast SemiAnnual

TestAmerica Job ID: 660-45272-1
SDG: 45272

Client Sample ID: MW-23

Lab Sample ID: 660-45272-6
Date Collected: 12/13/11 11:03
Matrix: Water
Date Received: 12/16/11 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C _SIM/ID		1	119187	12/23/11 09:41	AP	TAL TAM
Total/NA	Analysis	8260B		1	119211	12/23/11 12:26	AP	TAL TAM

Client Sample ID: Dup-01-12132011

Lab Sample ID: 660-45272-7
Date Collected: 12/13/11 00:00
Matrix: Water
Date Received: 12/16/11 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C _SIM/ID		10	119129	12/22/11 17:14	TP	TAL TAM
Total/NA	Analysis	8260B	DL	100	119168	12/23/11 11:49	EC	TAL TAM
Total/NA	Analysis	8260B		10	119168	12/23/11 16:21	EC	TAL TAM

Client Sample ID: MW-35

Lab Sample ID: 660-45272-8
Date Collected: 12/13/11 10:16
Matrix: Water
Date Received: 12/16/11 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	119168	12/23/11 14:15	EC	TAL TAM
Total/NA	Analysis	8260C _SIM/ID		1	119177	12/22/11 08:48	RM	TAL TAM

Client Sample ID: MW-80

Lab Sample ID: 660-45272-9
Date Collected: 12/14/11 09:56
Matrix: Water
Date Received: 12/16/11 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	119168	12/23/11 14:33	EC	TAL TAM
Total/NA	Analysis	8260C _SIM/ID		1	119177	12/22/11 09:11	RM	TAL TAM

Client Sample ID: MW-98

Lab Sample ID: 660-45272-10
Date Collected: 12/13/11 15:03
Matrix: Water
Date Received: 12/16/11 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL	10	119168	12/23/11 12:07	EC	TAL TAM
Total/NA	Analysis	8260B		1	119168	12/23/11 15:27	EC	TAL TAM
Total/NA	Analysis	8260C _SIM/ID		10	119177	12/22/11 09:33	RM	TAL TAM

Client Sample ID: MW-72

Lab Sample ID: 660-45272-11
Date Collected: 12/14/11 11:00
Matrix: Water
Date Received: 12/16/11 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C _SIM/ID		1	119177	12/22/11 09:57	RM	TAL TAM

Client Sample ID: MW-72 — Lab Sample ID: 660-45272-11

Date Collected: 12/14/11 11:00 — **Matrix: Water**
Date Received: 12/16/11 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	119211	12/23/11 16:39	AP	TAL TAM

Client Sample ID: MW-100 — Lab Sample ID: 660-45272-12

Date Collected: 12/13/11 13:58 — **Matrix: Water**
Date Received: 12/16/11 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C _SIM/ID		1	119177	12/22/11 10:19	RM	TAL TAM
Total/NA	Analysis	8260B		1	119211	12/23/11 17:00	AP	TAL TAM

Client Sample ID: MW-37 — Lab Sample ID: 660-45272-13

Date Collected: 12/13/11 13:14 — **Matrix: Water**
Date Received: 12/16/11 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C _SIM/ID		10	119177	12/22/11 10:42	RM	TAL TAM
Total/NA	Analysis	8260B	DL	50	119211	12/23/11 17:43	AP	TAL TAM
Total/NA	Analysis	8260B		5	119211	12/23/11 19:07	AP	TAL TAM

Client Sample ID: FB-02-12132011 — Lab Sample ID: 660-45272-14

Date Collected: 12/13/11 10:16 — **Matrix: Water**
Date Received: 12/16/11 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C _SIM/ID		1	119177	12/22/11 11:05	RM	TAL TAM
Total/NA	Analysis	8260B		1	119211	12/23/11 16:19	AP	TAL TAM

Client Sample ID: MW-43 — Lab Sample ID: 660-45272-15

Date Collected: 12/15/11 14:12 — **Matrix: Water**
Date Received: 12/16/11 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C _SIM/ID		10	119177	12/22/11 11:27	RM	TAL TAM
Total/NA	Analysis	8260B		1	119211	12/23/11 17:22	AP	TAL TAM

Client Sample ID: MW-42 — Lab Sample ID: 660-45272-16

Date Collected: 12/15/11 13:43 — **Matrix: Water**
Date Received: 12/16/11 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C _SIM/ID		1	119177	12/22/11 11:51	RM	TAL TAM
Total/NA	Analysis	8260B	DL	10	119211	12/23/11 18:03	AP	TAL TAM
Total/NA	Analysis	8260B		1	119211	12/23/11 19:30	AP	TAL TAM

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: Tallevast SemiAnnual

TestAmerica Job ID: 660-45272-1
SDG: 45272

Client Sample ID: MW-36

Lab Sample ID: 660-45272-17

Date Collected: 12/15/11 10:57

Matrix: Water

Date Received: 12/16/11 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C _SIM/ID		1	119187	12/23/11 11:36	AP	TAL TAM
Total/NA	Analysis	8260B		1	119211	12/23/11 19:52	AP	TAL TAM

Client Sample ID: MW-40

Lab Sample ID: 660-45272-18

Date Collected: 12/15/11 13:07

Matrix: Water

Date Received: 12/16/11 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C _SIM/ID		1	119187	12/23/11 12:00	AP	TAL TAM
Total/NA	Analysis	8260B		1	119211	12/23/11 20:13	AP	TAL TAM

Laboratory References:

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Certification Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast SemiAnnual

TestAmerica Job ID: 660-45272-1
SDG: 45272

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Tampa	Alabama	State Program	4	40610
TestAmerica Tampa	Florida	NELAC	4	E84282
TestAmerica Tampa	Georgia	State Program	4	905
TestAmerica Tampa	USDA	USDA		P330-11-00177

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast SemiAnnual

TestAmerica Job ID: 660-45272-1
SDG: 45272

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL TAM
8260C _SIM/ID	1,4-Dioxane by SIM/Isotopic Dilution	SW846	TAL TAM

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast SemiAnnual

TestAmerica Job ID: 660-45272-1
SDG: 45272

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
660-45272-1	TB-12152011	Water	12/15/11 12:00	12/16/11 15:00
660-45272-2	Dup-02-12142011	Water	12/14/11 00:00	12/16/11 15:00
660-45272-3	MW-19	Water	12/14/11 15:25	12/16/11 15:00
660-45272-4	MW-253	Water	12/14/11 11:15	12/16/11 15:00
660-45272-5	MW-63	Water	12/13/11 13:13	12/16/11 15:00
660-45272-6	MW-23	Water	12/13/11 11:03	12/16/11 15:00
660-45272-7	Dup-01-12132011	Water	12/13/11 00:00	12/16/11 15:00
660-45272-8	MW-35	Water	12/13/11 10:16	12/16/11 15:00
660-45272-9	MW-80	Water	12/14/11 09:56	12/16/11 15:00
660-45272-10	MW-98	Water	12/13/11 15:03	12/16/11 15:00
660-45272-11	MW-72	Water	12/14/11 11:00	12/16/11 15:00
660-45272-12	MW-100	Water	12/13/11 13:58	12/16/11 15:00
660-45272-13	MW-37	Water	12/13/11 13:14	12/16/11 15:00
660-45272-14	FB-02-12132011	Water	12/13/11 10:16	12/16/11 15:00
660-45272-15	MW-43	Water	12/15/11 14:12	12/16/11 15:00
660-45272-16	MW-42	Water	12/15/11 13:43	12/16/11 15:00
660-45272-17	MW-36	Water	12/15/11 10:57	12/16/11 15:00
660-45272-18	MW-40	Water	12/15/11 13:07	12/16/11 15:00

Serial Number 020581

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Tampa
6712 Benjamin Road, Suite 100
Tampa, FL 33634
Website: www.testamericainc.com
Phone: (813) 885-7427
Fax: (813) 885-7049

Alternate Laboratory Name/Location
Phone: 660-45272
Fax:

PROJECT REFERENCE: Tallevast Semi Annual	PROJECT NO.: B0038055.0045	PROJECT LOCATION (STATE): FL
SAMPLER'S SIGNATURE: [signature]	P.O. NUMBER: B0038055.0045.00002	CONTRACT NO.
CLIENT (SITE) PM: Don Sauda	CLIENT PHONE: 315 447 2612	CLIENT FAX: 315 446 5807
CLIENT NAME: Arcadis	CLIENT E-MAIL: donald.sauda@arcadis-us.com	
CLIENT ADDRESS: 1600 Tallevast Road, Sarasota, FL 34243		
COMPANY CONTRACTING THIS WORK (if applicable): LMC		

PAGE 1 OF 2

STANDARD REPORT DELIVERY ⊘
DATE DUE _____
EXPEDITED REPORT DELIVERY (SURCHARGE) ○
DATE DUE _____
NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

REQUIRED ANALYSIS: 8260B, 8260C SIM

PRESERVATIVE: HCl

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT...)	NUMBER OF CONTAINERS SUBMITTED	REMARKS
12.15.11	1200	TB-12152011	G	✓				2	
12.14.11	—	Dup.02.12142011						4	
12.14.11	1525	MW.19						4	
12.14.11	1115	MW.253						4	
12.13.11	1313	MW.63						4	
12.13.11	1103	MW.23, MS, MSD						12	MS/MSD
12.13.11	—	Dup.01.12132011						4	
12.13.11	1016	MW.35						4	
12.14.11	0956	MW.80						4	
12.13.11	1503	MW.98						4	
12.14.11	1100	MW.72						4	
12.13.11	1358	MW.100	✓	✓				4	

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS			[signature]	12-16-11	1340			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
[signature]	12-13-11	0900	[signature]	12-16-11	1340			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	TAMPA LOG NO.	COOLER TEMP. UPON RECEIPT	LABORATORY REMARKS
[signature]	12/14/11	1500	YES ○ NO ○			1.9°C Cu.o.2	

TAL8240-660 (0209)

12/29/2011

R625-EDC-002289-0

Serial Number 020582

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Tampa
6712 Benjamin Road, Suite 100
Tampa, FL 33634

Website: www.testamericainc.com
Phone: (813) 885-7427
Fax: (813) 885-7049

Alternate Laboratory Name/Location
Phone:
Fax: 660-45272

PROJECT REFERENCE	PROJECT NO.	PROJECT LOCATION (STATE)
Tallevast Semi annual		
SAMPLER'S SIGNATURE: Amy R Coats	P.O. NUMBER: See Pg 1	CONTRACT NO.
CLIENT (SITE) PM	CLIENT PHONE	CLIENT FAX
CLIENT NAME	CLIENT E-MAIL	
CLIENT ADDRESS		
COMPANY CONTRACTING THIS WORK (if applicable)		

PAGE 2 OF 2

STANDARD REPORT DELIVERY ○
DATE DUE _____
EXPEDITED REPORT DELIVERY (SURCHARGE) ○
DATE DUE _____
NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

REQUIRED ANALYSIS: 8260B, 8260CSIM

PRESERVATIVE: HCl

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT...)	8260B	8260CSIM	REMARKS
12-13-11	1314	MW-37	G					4		
12-13-11	1016	FB-02-12132011	G					4		
12-15-11	1412	MW-43	G					4		
12-15-11	1343	MW-42	G					4		
12-15-11	1057	MW-36	G					4		
12-15-11	1307	MW-40	G					4		

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS			Amy R Coats	12-16-11	1340			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
Amy R Coats	12-13-11	0800	[signature]	12-16-11	1340			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	TAMPA LOG NO.	COOLER TEMP. UPON RECEIPT	LABORATORY REMARKS
[signature]	12/16/11	1500	YES ○ NO ○				

TAL8240-660 (0209)

12/29/2011

R625-EDC-002289-0

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 660-45272-1
SDG Number: 45272

Login Number: 45272
List Number: 1
Creator: Snead, Joshua

List Source: TestAmerica Tampa

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.9c Cu07
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Tampa
6712 Benjamin Road
Suite 100
Tampa, FL 33634
Tel: (813)885-7427

TestAmerica Job ID: 660-45305-1
TestAmerica Sample Delivery Group: 660-45305
Client Project/Site: Tallevast Carbon OM

For:
ARCADIS U.S. Inc
6723 Towpath Road
PO BOX 66
Syracuse, New York 13214

Attn: Donald Sauda

Authorized for release by:
12/22/2011 3:43:14 PM

Tina Fritz
Project Manager II
tina.fritz@testamericainc.com

LINKS

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45305-1
SDG: 660-45305

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates that the compound was analyzed for but not detected.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 660-45305-1

Laboratory: TestAmerica Tampa

Narrative

Job Narrative
660-45305-1

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
No analytical or quality issues were noted.

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45305-1
SDG: 660-45305

Client Sample ID: Mid-Process 122011 — Lab Sample ID: 660-45305-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	12	I	20	9.9	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	10		1.0	0.52	ug/L	1		8260B	Total/NA

Client Sample ID: Primary GAC Effluent 122011 — Lab Sample ID: 660-45305-2

No Detections

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45305-1
SDG: 660-45305

Client Sample ID: Mid-Process 122011

Date Collected: 12/20/11 09:30
Date Received: 12/20/11 14:15

Lab Sample ID: 660-45305-1

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**12**	**I**	20	9.9	ug/L			12/21/11 12:53	1
Benzene	0.50	U	1.0	0.50	ug/L			12/21/11 12:53	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			12/21/11 12:53	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			12/21/11 12:53	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			12/21/11 12:53	1
Bromoform	0.58	U	1.0	0.58	ug/L			12/21/11 12:53	1
Bromomethane	2.5	U	5.0	2.5	ug/L			12/21/11 12:53	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			12/21/11 12:53	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			12/21/11 12:53	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			12/21/11 12:53	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			12/21/11 12:53	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			12/21/11 12:53	1
Chloroethane	2.5	U	5.0	2.5	ug/L			12/21/11 12:53	1
Chloroform	0.90	U	1.0	0.90	ug/L			12/21/11 12:53	1
Chloromethane	1.0	U	4.0	1.0	ug/L			12/21/11 12:53	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			12/21/11 12:53	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			12/21/11 12:53	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			12/21/11 12:53	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			12/21/11 12:53	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			12/21/11 12:53	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			12/21/11 12:53	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			12/21/11 12:53	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			12/21/11 12:53	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			12/21/11 12:53	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			12/21/11 12:53	1
1,1-Dichloroethane	**10**		1.0	0.52	ug/L			12/21/11 12:53	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			12/21/11 12:53	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			12/21/11 12:53	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			12/21/11 12:53	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			12/21/11 12:53	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			12/21/11 12:53	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			12/21/11 12:53	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			12/21/11 12:53	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/21/11 12:53	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			12/21/11 12:53	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/21/11 12:53	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/21/11 12:53	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			12/21/11 12:53	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			12/21/11 12:53	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			12/21/11 12:53	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			12/21/11 12:53	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			12/21/11 12:53	1
Naphthalene	2.5	U	5.0	2.5	ug/L			12/21/11 12:53	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			12/21/11 12:53	1
Styrene	0.98	U	2.0	0.98	ug/L			12/21/11 12:53	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			12/21/11 12:53	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			12/21/11 12:53	1
Toluene	1.0	U	1.0	1.0	ug/L			12/21/11 12:53	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			12/21/11 12:53	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			12/21/11 12:53	1

Client Sample ID: Mid-Process 122011

Lab Sample ID: 660-45305-1

Date Collected: 12/20/11 09:30

Matrix: Water

Date Received: 12/20/11 14:15

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			12/21/11 12:53	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			12/21/11 12:53	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			12/21/11 12:53	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			12/21/11 12:53	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			12/21/11 12:53	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			12/21/11 12:53	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			12/21/11 12:53	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/21/11 12:53	1
o-Xylene	0.50	U	1.0	0.50	ug/L			12/21/11 12:53	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			12/21/11 12:53	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			12/21/11 12:53	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			12/21/11 12:53	1
2-Hexanone	4.4	U	10	4.4	ug/L			12/21/11 12:53	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			12/21/11 12:53	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			12/21/11 12:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*70 - 130*		*12/21/11 12:53*	*1*
4-Bromofluorobenzene	*94*		*70 - 130*		*12/21/11 12:53*	*1*
Dibromofluoromethane	*96*		*70 - 130*		*12/21/11 12:53*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			12/21/11 19:55	1

Client Sample ID: Primary GAC Effluent 122011

Lab Sample ID: 660-45305-2

Date Collected: 12/20/11 09:40

Matrix: Water

Date Received: 12/20/11 14:15

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			12/21/11 12:35	1
Benzene	0.50	U	1.0	0.50	ug/L			12/21/11 12:35	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			12/21/11 12:35	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			12/21/11 12:35	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			12/21/11 12:35	1
Bromoform	0.58	U	1.0	0.58	ug/L			12/21/11 12:35	1
Bromomethane	2.5	U	5.0	2.5	ug/L			12/21/11 12:35	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			12/21/11 12:35	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			12/21/11 12:35	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			12/21/11 12:35	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			12/21/11 12:35	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			12/21/11 12:35	1
Chloroethane	2.5	U	5.0	2.5	ug/L			12/21/11 12:35	1
Chloroform	0.90	U	1.0	0.90	ug/L			12/21/11 12:35	1
Chloromethane	1.0	U	4.0	1.0	ug/L			12/21/11 12:35	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			12/21/11 12:35	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			12/21/11 12:35	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			12/21/11 12:35	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			12/21/11 12:35	1

Client Sample ID: Primary GAC Effluent 122011

Lab Sample ID: 660-45305-2

Date Collected: 12/20/11 09:40
Matrix: Water
Date Received: 12/20/11 14:15

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			12/21/11 12:35	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			12/21/11 12:35	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			12/21/11 12:35	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			12/21/11 12:35	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			12/21/11 12:35	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			12/21/11 12:35	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			12/21/11 12:35	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			12/21/11 12:35	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			12/21/11 12:35	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			12/21/11 12:35	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			12/21/11 12:35	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			12/21/11 12:35	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			12/21/11 12:35	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			12/21/11 12:35	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/21/11 12:35	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			12/21/11 12:35	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/21/11 12:35	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/21/11 12:35	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			12/21/11 12:35	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			12/21/11 12:35	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			12/21/11 12:35	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			12/21/11 12:35	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			12/21/11 12:35	1
Naphthalene	2.5	U	5.0	2.5	ug/L			12/21/11 12:35	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			12/21/11 12:35	1
Styrene	0.98	U	2.0	0.98	ug/L			12/21/11 12:35	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			12/21/11 12:35	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			12/21/11 12:35	1
Toluene	1.0	U	1.0	1.0	ug/L			12/21/11 12:35	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			12/21/11 12:35	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			12/21/11 12:35	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			12/21/11 12:35	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			12/21/11 12:35	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			12/21/11 12:35	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			12/21/11 12:35	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			12/21/11 12:35	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			12/21/11 12:35	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			12/21/11 12:35	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/21/11 12:35	1
o-Xylene	0.50	U	1.0	0.50	ug/L			12/21/11 12:35	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			12/21/11 12:35	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			12/21/11 12:35	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			12/21/11 12:35	1
2-Hexanone	4.4	U	10	4.4	ug/L			12/21/11 12:35	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			12/21/11 12:35	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			12/21/11 12:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*70 - 130*		*12/21/11 12:35*	*1*
4-Bromofluorobenzene	*95*		*70 - 130*		*12/21/11 12:35*	*1*

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45305-1
SDG: 660-45305

Client Sample ID: Primary GAC Effluent 122011

Lab Sample ID: 660-45305-2

Date Collected: 12/20/11 09:40
Matrix: Water
Date Received: 12/20/11 14:15

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*96*		*70 - 130*		*12/21/11 12:35*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			12/21/11 21:23	1

Surrogate Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45305-1
SDG: 660-45305

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)
660-45280-C-2 DU	Duplicate	96	97	98
660-45280-C-3 MS	Matrix Spike	96	96	102
660-45305-1	Mid-Process 122011	96	94	96
660-45305-2	Primary GAC Effluent 122011	97	95	96
LCS 660-119080/3	Lab Control Sample	96	97	96
MB 660-119080/5	Method Blank	95	99	99

Surrogate Legend

TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane

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

Lab Sample ID: MB 660-119080/5
Matrix: Water
Analysis Batch: 119080

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			12/21/11 08:25	1
Benzene	0.50	U	1.0	0.50	ug/L			12/21/11 08:25	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			12/21/11 08:25	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			12/21/11 08:25	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			12/21/11 08:25	1
Bromoform	0.58	U	1.0	0.58	ug/L			12/21/11 08:25	1
Bromomethane	2.5	U	5.0	2.5	ug/L			12/21/11 08:25	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			12/21/11 08:25	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			12/21/11 08:25	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			12/21/11 08:25	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			12/21/11 08:25	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			12/21/11 08:25	1
Chloroethane	2.5	U	5.0	2.5	ug/L			12/21/11 08:25	1
Chloroform	0.90	U	1.0	0.90	ug/L			12/21/11 08:25	1
Chloromethane	1.0	U	4.0	1.0	ug/L			12/21/11 08:25	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			12/21/11 08:25	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			12/21/11 08:25	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			12/21/11 08:25	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			12/21/11 08:25	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			12/21/11 08:25	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			12/21/11 08:25	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			12/21/11 08:25	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			12/21/11 08:25	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			12/21/11 08:25	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			12/21/11 08:25	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			12/21/11 08:25	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			12/21/11 08:25	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			12/21/11 08:25	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			12/21/11 08:25	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			12/21/11 08:25	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			12/21/11 08:25	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			12/21/11 08:25	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			12/21/11 08:25	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/21/11 08:25	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			12/21/11 08:25	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/21/11 08:25	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/21/11 08:25	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			12/21/11 08:25	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			12/21/11 08:25	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			12/21/11 08:25	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			12/21/11 08:25	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			12/21/11 08:25	1
Naphthalene	2.5	U	5.0	2.5	ug/L			12/21/11 08:25	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			12/21/11 08:25	1
Styrene	0.98	U	2.0	0.98	ug/L			12/21/11 08:25	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			12/21/11 08:25	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			12/21/11 08:25	1
Toluene	1.0	U	1.0	1.0	ug/L			12/21/11 08:25	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			12/21/11 08:25	1

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

Lab Sample ID: MB 660-119080/5
Matrix: Water
Analysis Batch: 119080

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			12/21/11 08:25	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			12/21/11 08:25	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			12/21/11 08:25	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			12/21/11 08:25	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			12/21/11 08:25	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			12/21/11 08:25	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			12/21/11 08:25	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			12/21/11 08:25	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/21/11 08:25	1
o-Xylene	0.50	U	1.0	0.50	ug/L			12/21/11 08:25	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			12/21/11 08:25	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			12/21/11 08:25	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			12/21/11 08:25	1
2-Hexanone	4.4	U	10	4.4	ug/L			12/21/11 08:25	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			12/21/11 08:25	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			12/21/11 08:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*70 - 130*		*12/21/11 08:25*	*1*
4-Bromofluorobenzene	*99*		*70 - 130*		*12/21/11 08:25*	*1*
Dibromofluoromethane	*99*		*70 - 130*		*12/21/11 08:25*	*1*

Lab Sample ID: LCS 660-119080/3
Matrix: Water
Analysis Batch: 119080

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	40.0	43.7		ug/L		109	62 - 142
Benzene	20.0	17.3		ug/L		86	68 - 134
Bromobenzene	20.0	21.2		ug/L		106	70 - 130
Chlorobromomethane	20.0	16.5		ug/L		82	70 - 130
Dichlorobromomethane	20.0	17.9		ug/L		89	70 - 130
Bromoform	20.0	17.4		ug/L		87	65 - 130
Bromomethane	20.0	14.7		ug/L		74	22 - 150
n-Butylbenzene	20.0	19.1		ug/L		95	61 - 131
sec-Butylbenzene	20.0	21.0		ug/L		105	68 - 133
tert-Butylbenzene	20.0	18.5		ug/L		93	64 - 130
Carbon tetrachloride	20.0	14.3		ug/L		71	61 - 134
Chlorobenzene	20.0	20.2		ug/L		101	70 - 130
Chloroethane	20.0	19.9		ug/L		99	39 - 150
Chloroform	20.0	16.1		ug/L		81	68 - 130
Chloromethane	20.0	15.2		ug/L		76	35 - 150
2-Chlorotoluene	20.0	20.5		ug/L		103	70 - 130
4-Chlorotoluene	20.0	21.0		ug/L		105	70 - 130
Chlorodibromomethane	20.0	15.4		ug/L		77	70 - 130
1,2-Dibromo-3-Chloropropane	20.0	18.5		ug/L		92	63 - 130
Ethylene Dibromide	20.0	19.0		ug/L		95	66 - 130
Dibromomethane	20.0	18.6		ug/L		93	70 - 130
1,2-Dichlorobenzene	20.0	21.1		ug/L		106	70 - 130

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

Lab Sample ID: LCS 660-119080/3
Matrix: Water
Analysis Batch: 119080

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3-Dichlorobenzene	20.0	21.6		ug/L		108	70 - 130
1,4-Dichlorobenzene	20.0	21.6		ug/L		108	70 - 130
Dichlorodifluoromethane	20.0	15.5		ug/L		78	16 - 149
1,1-Dichloroethane	20.0	16.9		ug/L		85	66 - 130
1,2-Dichloroethane	20.0	17.6		ug/L		88	70 - 130
1,1,1,2-Tetrachloroethane	20.0	17.6		ug/L		88	70 - 130
1,1-Dichloroethene	20.0	17.0		ug/L		85	51 - 150
cis-1,2-Dichloroethene	20.0	17.0		ug/L		85	66 - 130
trans-1,2-Dichloroethene	20.0	16.9		ug/L		84	62 - 139
1,2-Dichloropropane	20.0	18.9		ug/L		94	70 - 130
1,3-Dichloropropane	20.0	18.5		ug/L		92	70 - 130
2,2-Dichloropropane	20.0	14.2		ug/L		71	66 - 134
1,1-Dichloropropene	20.0	16.7		ug/L		84	65 - 136
cis-1,3-Dichloropropene	20.0	15.3		ug/L		77	70 - 130
trans-1,3-Dichloropropene	20.0	14.5		ug/L		72	67 - 130
Ethylbenzene	20.0	20.4		ug/L		102	70 - 130
Hexachlorobutadiene	20.0	19.9		ug/L		99	62 - 143
Isopropylbenzene	20.0	20.8		ug/L		104	62 - 130
4-Isopropyltoluene	20.0	20.8		ug/L		104	65 - 134
Methylene Chloride	20.0	16.6		ug/L		83	57 - 130
Naphthalene	20.0	23.5		ug/L		117	50 - 136
N-Propylbenzene	20.0	21.0		ug/L		105	67 - 130
Styrene	20.0	18.7		ug/L		94	68 - 131
1,1,2,2-Tetrachloroethane	20.0	21.6		ug/L		108	70 - 130
Tetrachloroethene	20.0	19.3		ug/L		97	50 - 143
Toluene	20.0	18.4		ug/L		92	70 - 131
1,2,3-Trichlorobenzene	20.0	23.1		ug/L		115	58 - 132
1,2,4-Trichlorobenzene	20.0	22.5		ug/L		112	66 - 130
1,1,1-Trichloroethane	20.0	14.8		ug/L		74	63 - 132
1,1,2-Trichloroethane	20.0	18.3		ug/L		92	70 - 130
Trichloroethene	20.0	17.4		ug/L		87	63 - 139
Trichlorofluoromethane	20.0	20.3		ug/L		101	62 - 146
1,2,3-Trichloropropane	20.0	23.3		ug/L		116	66 - 130
1,2,4-Trimethylbenzene	20.0	16.5		ug/L		83	70 - 132
1,3,5-Trimethylbenzene	20.0	20.8		ug/L		104	65 - 134
Vinyl chloride	20.0	17.0		ug/L		85	48 - 147
o-Xylene	20.0	20.3		ug/L		101	69 - 130
2-Butanone (MEK)	40.0	39.8		ug/L		99	63 - 140
4-Methyl-2-pentanone (MIBK)	40.0	41.8		ug/L		105	64 - 137
Carbon disulfide	40.0	37.6		ug/L		94	30 - 150
2-Hexanone	40.0	38.5		ug/L		96	60 - 148
Methyl tert-butyl ether	40.0	31.3		ug/L		78	67 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*96*		*70 - 130*
4-Bromofluorobenzene	*97*		*70 - 130*
Dibromofluoromethane	*96*		*70 - 130*

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

Lab Sample ID: 660-45280-C-3 MS
Matrix: Water
Analysis Batch: 119080

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	9.9	U	40.0	45.6		ug/L		114	62 - 142
Benzene	0.50	U	20.0	19.6		ug/L		98	68 - 134
Bromobenzene	0.58	U	20.0	23.7		ug/L		118	70 - 130
Chlorobromomethane	0.58	U	20.0	18.8		ug/L		94	70 - 130
Dichlorobromomethane	0.35	U	20.0	19.5		ug/L		98	70 - 130
Bromoform	0.58	U	20.0	17.4		ug/L		87	65 - 130
Bromomethane	2.5	U	20.0	16.9		ug/L		85	22 - 150
n-Butylbenzene	0.67	U	20.0	20.9		ug/L		104	61 - 131
sec-Butylbenzene	0.63	U	20.0	22.5		ug/L		113	68 - 133
tert-Butylbenzene	0.84	U	20.0	19.7		ug/L		99	64 - 130
Carbon tetrachloride	0.42	U	20.0	15.4		ug/L		77	61 - 134
Chlorobenzene	0.63	U	20.0	22.5		ug/L		113	70 - 130
Chloroethane	2.5	U	20.0	22.8		ug/L		114	39 - 150
Chloroform	0.90	U	20.0	18.4		ug/L		92	68 - 130
Chloromethane	1.0	U	20.0	17.5		ug/L		87	35 - 150
2-Chlorotoluene	0.65	U	20.0	22.8		ug/L		114	70 - 130
4-Chlorotoluene	0.52	U	20.0	23.1		ug/L		116	70 - 130
Chlorodibromomethane	0.34	U	20.0	16.0		ug/L		80	70 - 130
1,2-Dibromo-3-Chloropropane	2.5	U	20.0	16.9		ug/L		85	63 - 130
Ethylene Dibromide	0.50	U	20.0	20.1		ug/L		100	66 - 130
Dibromomethane	0.41	U	20.0	19.7		ug/L		99	70 - 130
1,2-Dichlorobenzene	0.44	U	20.0	23.6		ug/L		118	70 - 130
1,3-Dichlorobenzene	0.64	U	20.0	24.3		ug/L		122	70 - 130
1,4-Dichlorobenzene	0.52	U	20.0	23.1		ug/L		115	70 - 130
Dichlorodifluoromethane	2.5	U	20.0	15.7		ug/L		78	16 - 149
1,1-Dichloroethane	0.52	U	20.0	19.1		ug/L		95	66 - 130
1,2-Dichloroethane	0.57	U	20.0	19.2		ug/L		96	70 - 130
1,1,1,2-Tetrachloroethane	0.63	U	20.0	19.8		ug/L		99	70 - 130
1,1-Dichloroethene	0.45	U	20.0	17.9		ug/L		90	51 - 150
cis-1,2-Dichloroethene	0.65	U	20.0	19.7		ug/L		98	66 - 130
trans-1,2-Dichloroethene	0.44	U	20.0	19.1		ug/L		96	62 - 139
1,2-Dichloropropane	0.52	U	20.0	20.6		ug/L		103	70 - 130
1,3-Dichloropropane	0.39	U	20.0	20.0		ug/L		100	70 - 130
2,2-Dichloropropane	0.36	U	20.0	15.4		ug/L		77	66 - 134
1,1-Dichloropropene	0.31	U	20.0	17.6		ug/L		88	65 - 136
cis-1,3-Dichloropropene	0.14	U	20.0	16.3		ug/L		82	70 - 130
trans-1,3-Dichloropropene	0.14	U	20.0	15.6		ug/L		78	67 - 130
Ethylbenzene	0.44	U	20.0	22.6		ug/L		113	70 - 130
Hexachlorobutadiene	0.40	U	20.0	21.6		ug/L		108	62 - 143
Isopropylbenzene	0.19	U	20.0	22.6		ug/L		113	62 - 130
4-Isopropyltoluene	0.69	U	20.0	23.0		ug/L		115	65 - 134
Methylene Chloride	4.0	U	20.0	17.8		ug/L		89	57 - 130
Naphthalene	2.5	U	20.0	23.2		ug/L		116	50 - 136
N-Propylbenzene	0.59	U	20.0	23.3		ug/L		117	67 - 130
Styrene	0.98	U	20.0	20.9		ug/L		104	68 - 131
1,1,2,2-Tetrachloroethane	0.15	U	20.0	22.9		ug/L		114	70 - 130
Tetrachloroethene	0.50	U	20.0	20.1		ug/L		100	50 - 143
Toluene	1.0	U	20.0	19.7		ug/L		98	70 - 131
1,2,3-Trichlorobenzene	0.77	U	20.0	24.7		ug/L		124	58 - 132

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

Lab Sample ID: 660-45280-C-3 MS
Matrix: Water
Analysis Batch: 119080

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	0.58	U	20.0	24.7		ug/L		124	66 - 130
1,1,1-Trichloroethane	0.46	U	20.0	16.1		ug/L		80	63 - 132
1,1,2-Trichloroethane	0.47	U	20.0	19.3		ug/L		96	70 - 130
Trichloroethene	0.50	U	20.0	20.0		ug/L		100	63 - 139
Trichlorofluoromethane	2.5	U	20.0	22.9		ug/L		114	62 - 146
1,2,3-Trichloropropane	0.18	U	20.0	23.4		ug/L		117	66 - 130
1,2,4-Trimethylbenzene	0.86	U	20.0	18.5		ug/L		92	70 - 132
1,3,5-Trimethylbenzene	0.54	U	20.0	23.5		ug/L		117	65 - 134
Vinyl chloride	0.50	U	20.0	19.6		ug/L		98	48 - 147
o-Xylene	0.50	U	20.0	22.7		ug/L		114	69 - 130
2-Butanone (MEK)	8.4	U	40.0	40.7		ug/L		102	63 - 140
4-Methyl-2-pentanone (MIBK)	3.8	U	40.0	40.2		ug/L		101	64 - 137
Carbon disulfide	1.0	U	40.0	43.9		ug/L		110	30 - 150
2-Hexanone	4.4	U	40.0	38.0		ug/L		95	60 - 148
Methyl tert-butyl ether	0.44	U	40.0	35.4		ug/L		88	67 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*96*		*70 - 130*
4-Bromofluorobenzene	*96*		*70 - 130*
Dibromofluoromethane	*102*		*70 - 130*

Lab Sample ID: 660-45280-C-2 DU
Matrix: Water
Analysis Batch: 119080

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Acetone	9.9	U	9.9	U	ug/L		NC	30
Benzene	0.50	U	0.50	U	ug/L		NC	30
Bromobenzene	0.58	U	0.58	U	ug/L		NC	30
Chlorobromomethane	0.58	U	0.58	U	ug/L		NC	30
Dichlorobromomethane	0.35	U	0.35	U	ug/L		NC	30
Bromoform	0.58	U	0.58	U	ug/L		NC	30
Bromomethane	2.5	U	2.5	U	ug/L		NC	30
n-Butylbenzene	0.67	U	0.67	U	ug/L		NC	30
sec-Butylbenzene	0.63	U	0.63	U	ug/L		NC	30
tert-Butylbenzene	0.84	U	0.84	U	ug/L		NC	30
Carbon tetrachloride	0.42	U	0.42	U	ug/L		NC	30
Chlorobenzene	0.63	U	0.63	U	ug/L		NC	30
Chloroethane	2.5	U	2.5	U	ug/L		NC	30
Chloroform	0.90	U	0.90	U	ug/L		NC	30
Chloromethane	1.0	U	1.0	U	ug/L		NC	30
2-Chlorotoluene	0.65	U	0.65	U	ug/L		NC	30
4-Chlorotoluene	0.52	U	0.52	U	ug/L		NC	30
Chlorodibromomethane	0.34	U	0.34	U	ug/L		NC	30
1,2-Dibromo-3-Chloropropane	2.5	U	2.5	U	ug/L		NC	30
Ethylene Dibromide	0.50	U	0.50	U	ug/L		NC	30
Dibromomethane	0.41	U	0.41	U	ug/L		NC	30
1,2-Dichlorobenzene	0.44	U	0.44	U	ug/L		NC	30
1,3-Dichlorobenzene	0.64	U	0.64	U	ug/L		NC	30

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

Lab Sample ID: 660-45280-C-2 DU
Matrix: Water
Analysis Batch: 119080

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
1,4-Dichlorobenzene	0.52	U		0.52	U	ug/L				NC	30
Dichlorodifluoromethane	2.5	U		2.5	U	ug/L				NC	30
1,1-Dichloroethane	0.52	U		0.52	U	ug/L				NC	30
1,2-Dichloroethane	0.57	U		0.57	U	ug/L				NC	30
1,1,1,2-Tetrachloroethane	0.63	U		0.63	U	ug/L				NC	30
1,1-Dichloroethene	0.45	U		0.45	U	ug/L				NC	30
cis-1,2-Dichloroethene	1.9			1.59		ug/L				16	30
trans-1,2-Dichloroethene	0.44	U		0.44	U	ug/L				NC	30
1,2-Dichloropropane	0.52	U		0.52	U	ug/L				NC	30
1,3-Dichloropropane	0.39	U		0.39	U	ug/L				NC	30
2,2-Dichloropropane	0.36	U		0.36	U	ug/L				NC	30
1,1-Dichloropropene	0.31	U		0.31	U	ug/L				NC	30
cis-1,3-Dichloropropene	0.14	U		0.14	U	ug/L				NC	30
trans-1,3-Dichloropropene	0.14	U		0.14	U	ug/L				NC	30
Ethylbenzene	0.44	U		0.44	U	ug/L				NC	30
Hexachlorobutadiene	0.40	U		0.40	U	ug/L				NC	30
Isopropylbenzene	0.19	U		0.19	U	ug/L				NC	30
4-Isopropyltoluene	0.69	U		0.69	U	ug/L				NC	30
Methylene Chloride	4.0	U		4.0	U	ug/L				NC	30
Naphthalene	2.5	U		2.5	U	ug/L				NC	30
N-Propylbenzene	0.59	U		0.59	U	ug/L				NC	30
Styrene	0.98	U		0.98	U	ug/L				NC	30
1,1,2,2-Tetrachloroethane	0.15	U		0.15	U	ug/L				NC	30
Tetrachloroethene	2.1			1.78		ug/L				18	30
Toluene	1.0	U		1.0	U	ug/L				NC	30
1,2,3-Trichlorobenzene	0.77	U		0.77	U	ug/L				NC	30
1,2,4-Trichlorobenzene	0.58	U		0.58	U	ug/L				NC	30
1,1,1-Trichloroethane	0.46	U		0.46	U	ug/L				NC	30
1,1,2-Trichloroethane	0.47	U		0.47	U	ug/L				NC	30
Trichloroethene	2.2			2.03		ug/L				6	30
Trichlorofluoromethane	2.5	U		2.5	U	ug/L				NC	30
1,2,3-Trichloropropane	0.18	U		0.18	U	ug/L				NC	30
1,2,4-Trimethylbenzene	0.86	U		0.86	U	ug/L				NC	30
1,3,5-Trimethylbenzene	0.54	U		0.54	U	ug/L				NC	30
Vinyl chloride	0.50	U		0.50	U	ug/L				NC	30
o-Xylene	0.50	U		0.50	U	ug/L				NC	30
2-Butanone (MEK)	8.4	U		8.4	U	ug/L				NC	30
4-Methyl-2-pentanone (MIBK)	3.8	U		3.8	U	ug/L				NC	30
Carbon disulfide	1.0	U		1.0	U	ug/L				NC	30
2-Hexanone	4.4	U		4.4	U	ug/L				NC	30
Methyl tert-butyl ether	0.44	U		0.44	U	ug/L				NC	30
m-Xylene & p-Xylene	0.60	U		0.60	U	ug/L				NC	30

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
Toluene-d8 (Surr)	*96*		*70 - 130*
4-Bromofluorobenzene	*97*		*70 - 130*
Dibromofluoromethane	*98*		*70 - 130*

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45305-1
SDG: 660-45305

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Lab Sample ID: MB 660-119066/15 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 119066

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			12/21/11 19:31	1

Lab Sample ID: LCS 660-119066/13 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 119066

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,4-Dioxane			25.0	25.0		ug/L		100	50 - 150		

Lab Sample ID: 660-45305-1 MS — **Client Sample ID: Mid-Process 122011**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 119066

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,4-Dioxane	1.0	U	25.0	20.8		ug/L		83	50 - 150		

Lab Sample ID: 660-45305-1 DU — **Client Sample ID: Mid-Process 122011**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 119066

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
1,4-Dioxane	1.0	U		1.0	U	ug/L				NC	50

QC Association Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45305-1
SDG: 660-45305

GC/MS VOA

Analysis Batch: 119066

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-45305-1	Mid-Process 122011	Total/NA	Water	8260C _SIM/ID	
660-45305-1 DU	Mid-Process 122011	Total/NA	Water	8260C _SIM/ID	
660-45305-1 MS	Mid-Process 122011	Total/NA	Water	8260C _SIM/ID	
660-45305-2	Primary GAC Effluent 122011	Total/NA	Water	8260C _SIM/ID	
LCS 660-119066/13	Lab Control Sample	Total/NA	Water	8260C _SIM/ID	
MB 660-119066/15	Method Blank	Total/NA	Water	8260C _SIM/ID	

Analysis Batch: 119080

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-45280-C-2 DU	Duplicate	Total/NA	Water	8260B	
660-45280-C-3 MS	Matrix Spike	Total/NA	Water	8260B	
660-45305-1	Mid-Process 122011	Total/NA	Water	8260B	
660-45305-2	Primary GAC Effluent 122011	Total/NA	Water	8260B	
LCS 660-119080/3	Lab Control Sample	Total/NA	Water	8260B	
MB 660-119080/5	Method Blank	Total/NA	Water	8260B	

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45305-1
SDG: 660-45305

Client Sample ID: Mid-Process 122011

Lab Sample ID: 660-45305-1

Date Collected: 12/20/11 09:30

Matrix: Water

Date Received: 12/20/11 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C _SIM/ID		1	119066	12/21/11 19:55	AP	TAL TAM
Total/NA	Analysis	8260B		1	119080	12/21/11 12:53	EC	TAL TAM

Client Sample ID: Primary GAC Effluent 122011

Lab Sample ID: 660-45305-2

Date Collected: 12/20/11 09:40

Matrix: Water

Date Received: 12/20/11 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C _SIM/ID		1	119066	12/21/11 21:23	AP	TAL TAM
Total/NA	Analysis	8260B		1	119080	12/21/11 12:35	EC	TAL TAM

Laboratory References:

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Certification Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45305-1
SDG: 660-45305

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Tampa	Alabama	State Program	4	40610
TestAmerica Tampa	Florida	NELAC	4	E84282
TestAmerica Tampa	Georgia	State Program	4	905
TestAmerica Tampa	USDA	USDA		P330-11-00177

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45305-1
SDG: 660-45305

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL TAM
8260C _SIM/ID	1,4-Dioxane by SIM/Isotopic Dilution	SW846	TAL TAM

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45305-1
SDG: 660-45305

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
660-45305-1	Mid-Process 122011	Water	12/20/11 09:30	12/20/11 14:15
660-45305-2	Primary GAC Effluent 122011	Water	12/20/11 09:40	12/20/11 14:15

Serial Number 020583

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Tampa
6712 Benjamin Road, Suite 100
Tampa, FL 33634
Website: www.testamericainc.com
Phone: (813) 885-7427
Fax: (813) 885-7049

Alternate Laboratory Name/Location
Phone: 660-45305
Fax:

PROJECT REFERENCE: Tallevast Carbon OM	PROJECT NO.: —	PROJECT LOCATION (STATE): FL	PAGE 1 OF 1
SAMPLER'S SIGNATURE: [signature]	P.O. NUMBER: 38055.0038.00009	CONTRACT NO.: —	STANDARD REPORT DELIVERY ○
CLIENT (SITE) PM: Don Sauda	CLIENT PHONE: 8137484874	CLIENT FAX: —	DATE DUE:
CLIENT NAME: Arcadis	CLIENT E-MAIL: donald.sauda@arcadis-us.com		EXPEDITED REPORT DELIVERY (SURCHARGE) ~~○~~ DATE DUE: 48 hrs
CLIENT ADDRESS: 1600 Tallevast Rd Sarasota, FL 34243			
COMPANY CONTRACTING THIS WORK (if applicable): LMC			NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT...)	8260 B/C Sim 1D									REMARKS
								HCL	PRESERVATIVE								
12-20-11	0930	Mid-Process	G	X				4									inf flow - 18.4
12-20-11	0940	Primary GAC Effluent	G	X				4									sys flow - 23.0
																	inf pH - 2.8
																	eff pH - 5.8

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
SUPPLY CONTAINERS			[signature]	12-20-11	1253			
RECEIVED BY: (SIGNATURE) [signature]	DATE 12-19-11	TIME 0800	RECEIVED BY: (SIGNATURE) [signature]	DATE 12 20 11	TIME 1253	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	TAMPA LOG NO.	COOLER TEMP. UPON RECEIPT	LABORATORY REMARKS
[signature]	12/20/11	1415	YES ○ NO ○			5.4° CW-07	

1415

TAL8240-660 (0209)

12/22/2011

R625-EDC-002289-0

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 660-45305-1
SDG Number: 660-45305

Login Number: 45305
List Number: 1
Creator: Snead, Joshua

List Source: TestAmerica Tampa

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	5.4c CU07
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Tampa
6712 Benjamin Road
Suite 100
Tampa, FL 33634
Tel: (813)885-7427

TestAmerica Job ID: 660-45409-1
TestAmerica Sample Delivery Group: 660-45409
Client Project/Site: Tallevast Carbon OM

For:
ARCADIS U.S. Inc
6723 Towpath Road
PO BOX 66
Syracuse, New York 13214

Attn: Donald Sauda

Authorized for release by:
12/29/2011 1:41:03 PM

Tina Fritz
Project Manager II
tina.fritz@testamericainc.com

LINKS

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates that the compound was analyzed for but not detected.
J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45409-1
SDG: 660-45409

Job ID: 660-45409-1

Laboratory: TestAmerica Tampa

Narrative

Job Narrative
660-45409-1

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
Method 8260B: The matrix spike (MS) recovery for batch 119259 was outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45409-1
SDG: 660-45409

Client Sample ID: Primary GAC Effluent 12/27/2011 — Lab Sample ID: 660-45409-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.3		1.0	0.52	ug/L	1		8260B	Total/NA

Client Sample ID: Mid Process 12/27/2011 — Lab Sample ID: 660-45409-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	12	I	20	9.9	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	9.1		1.0	0.52	ug/L	1		8260B	Total/NA

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45409-1
SDG: 660-45409

Client Sample ID: Primary GAC Effluent 12/27/2011

Lab Sample ID: 660-45409-1

Date Collected: 12/27/11 09:30
Date Received: 12/27/11 13:45

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			12/27/11 19:08	1
Benzene	0.50	U	1.0	0.50	ug/L			12/27/11 19:08	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			12/27/11 19:08	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			12/27/11 19:08	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			12/27/11 19:08	1
Bromoform	0.58	U	1.0	0.58	ug/L			12/27/11 19:08	1
Bromomethane	2.5	U	5.0	2.5	ug/L			12/27/11 19:08	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			12/27/11 19:08	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			12/27/11 19:08	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			12/27/11 19:08	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			12/27/11 19:08	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			12/27/11 19:08	1
Chloroethane	2.5	U	5.0	2.5	ug/L			12/27/11 19:08	1
Chloroform	0.90	U	1.0	0.90	ug/L			12/27/11 19:08	1
Chloromethane	1.0	U	4.0	1.0	ug/L			12/27/11 19:08	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			12/27/11 19:08	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			12/27/11 19:08	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			12/27/11 19:08	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			12/27/11 19:08	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			12/27/11 19:08	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			12/27/11 19:08	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			12/27/11 19:08	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			12/27/11 19:08	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			12/27/11 19:08	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			12/27/11 19:08	1
1,1-Dichloroethane	**1.3**		1.0	0.52	ug/L			12/27/11 19:08	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			12/27/11 19:08	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			12/27/11 19:08	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			12/27/11 19:08	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			12/27/11 19:08	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			12/27/11 19:08	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			12/27/11 19:08	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			12/27/11 19:08	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/27/11 19:08	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			12/27/11 19:08	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/27/11 19:08	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/27/11 19:08	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			12/27/11 19:08	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			12/27/11 19:08	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			12/27/11 19:08	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			12/27/11 19:08	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			12/27/11 19:08	1
Naphthalene	2.5	U	5.0	2.5	ug/L			12/27/11 19:08	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			12/27/11 19:08	1
Styrene	0.98	U	2.0	0.98	ug/L			12/27/11 19:08	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			12/27/11 19:08	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			12/27/11 19:08	1
Toluene	1.0	U	1.0	1.0	ug/L			12/27/11 19:08	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			12/27/11 19:08	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			12/27/11 19:08	1

Client Sample ID: Primary GAC Effluent 12/27/2011

Lab Sample ID: 660-45409-1

Date Collected: 12/27/11 09:30
Matrix: Water
Date Received: 12/27/11 13:45

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			12/27/11 19:08	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			12/27/11 19:08	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			12/27/11 19:08	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			12/27/11 19:08	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			12/27/11 19:08	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			12/27/11 19:08	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			12/27/11 19:08	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/27/11 19:08	1
o-Xylene	0.50	U	1.0	0.50	ug/L			12/27/11 19:08	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			12/27/11 19:08	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			12/27/11 19:08	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			12/27/11 19:08	1
2-Hexanone	4.4	U	10	4.4	ug/L			12/27/11 19:08	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			12/27/11 19:08	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			12/27/11 19:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*103*		*70 - 130*		*12/27/11 19:08*	*1*
4-Bromofluorobenzene	*94*		*70 - 130*		*12/27/11 19:08*	*1*
Dibromofluoromethane	*100*		*70 - 130*		*12/27/11 19:08*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			12/27/11 21:40	1

Client Sample ID: Mid Process 12/27/2011

Lab Sample ID: 660-45409-2

Date Collected: 12/27/11 09:35
Matrix: Water
Date Received: 12/27/11 13:45

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**12**	**I**	20	9.9	ug/L			12/27/11 19:25	1
Benzene	0.50	U	1.0	0.50	ug/L			12/27/11 19:25	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			12/27/11 19:25	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			12/27/11 19:25	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			12/27/11 19:25	1
Bromoform	0.58	U	1.0	0.58	ug/L			12/27/11 19:25	1
Bromomethane	2.5	U	5.0	2.5	ug/L			12/27/11 19:25	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			12/27/11 19:25	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			12/27/11 19:25	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			12/27/11 19:25	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			12/27/11 19:25	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			12/27/11 19:25	1
Chloroethane	2.5	U	5.0	2.5	ug/L			12/27/11 19:25	1
Chloroform	0.90	U	1.0	0.90	ug/L			12/27/11 19:25	1
Chloromethane	1.0	U	4.0	1.0	ug/L			12/27/11 19:25	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			12/27/11 19:25	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			12/27/11 19:25	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			12/27/11 19:25	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			12/27/11 19:25	1

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45409-1
SDG: 660-45409

Client Sample ID: Mid Process 12/27/2011
Date Collected: 12/27/11 09:35
Date Received: 12/27/11 13:45

Lab Sample ID: 660-45409-2
Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			12/27/11 19:25	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			12/27/11 19:25	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			12/27/11 19:25	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			12/27/11 19:25	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			12/27/11 19:25	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			12/27/11 19:25	1
1,1-Dichloroethane	**9.1**		1.0	0.52	ug/L			12/27/11 19:25	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			12/27/11 19:25	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			12/27/11 19:25	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			12/27/11 19:25	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			12/27/11 19:25	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			12/27/11 19:25	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			12/27/11 19:25	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			12/27/11 19:25	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/27/11 19:25	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			12/27/11 19:25	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/27/11 19:25	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/27/11 19:25	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			12/27/11 19:25	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			12/27/11 19:25	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			12/27/11 19:25	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			12/27/11 19:25	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			12/27/11 19:25	1
Naphthalene	2.5	U	5.0	2.5	ug/L			12/27/11 19:25	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			12/27/11 19:25	1
Styrene	0.98	U	2.0	0.98	ug/L			12/27/11 19:25	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			12/27/11 19:25	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			12/27/11 19:25	1
Toluene	1.0	U	1.0	1.0	ug/L			12/27/11 19:25	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			12/27/11 19:25	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			12/27/11 19:25	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			12/27/11 19:25	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			12/27/11 19:25	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			12/27/11 19:25	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			12/27/11 19:25	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			12/27/11 19:25	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			12/27/11 19:25	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			12/27/11 19:25	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/27/11 19:25	1
o-Xylene	0.50	U	1.0	0.50	ug/L			12/27/11 19:25	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			12/27/11 19:25	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			12/27/11 19:25	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			12/27/11 19:25	1
2-Hexanone	4.4	U	10	4.4	ug/L			12/27/11 19:25	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			12/27/11 19:25	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			12/27/11 19:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*103*		*70 - 130*		*12/27/11 19:25*	*1*
4-Bromofluorobenzene	*95*		*70 - 130*		*12/27/11 19:25*	*1*

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45409-1
SDG: 660-45409

Client Sample ID: Mid Process 12/27/2011

Date Collected: 12/27/11 09:35
Date Received: 12/27/11 13:45

Lab Sample ID: 660-45409-2

Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*103*		*70 - 130*		*12/27/11 19:25*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			12/27/11 23:11	1

Surrogate Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45409-1
SDG: 660-45409

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)
660-45307-H-1 DU	Duplicate	101	92	96
660-45307-H-2 MS	Matrix Spike	105	100	95
660-45409-1	Primary GAC Effluent 12/27/2011	103	94	100
660-45409-2	Mid Process 12/27/2011	103	95	103
LCS 660-119259/5	Lab Control Sample	97	95	97
MB 660-119259/7	Method Blank	104	105	109

Surrogate Legend

TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane

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

Lab Sample ID: MB 660-119259/7
Matrix: Water
Analysis Batch: 119259

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			12/27/11 16:25	1
Benzene	0.50	U	1.0	0.50	ug/L			12/27/11 16:25	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			12/27/11 16:25	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			12/27/11 16:25	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			12/27/11 16:25	1
Bromoform	0.58	U	1.0	0.58	ug/L			12/27/11 16:25	1
Bromomethane	2.5	U	5.0	2.5	ug/L			12/27/11 16:25	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			12/27/11 16:25	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			12/27/11 16:25	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			12/27/11 16:25	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			12/27/11 16:25	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			12/27/11 16:25	1
Chloroethane	2.5	U	5.0	2.5	ug/L			12/27/11 16:25	1
Chloroform	0.90	U	1.0	0.90	ug/L			12/27/11 16:25	1
Chloromethane	1.0	U	4.0	1.0	ug/L			12/27/11 16:25	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			12/27/11 16:25	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			12/27/11 16:25	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			12/27/11 16:25	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			12/27/11 16:25	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			12/27/11 16:25	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			12/27/11 16:25	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			12/27/11 16:25	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			12/27/11 16:25	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			12/27/11 16:25	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			12/27/11 16:25	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			12/27/11 16:25	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			12/27/11 16:25	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			12/27/11 16:25	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			12/27/11 16:25	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			12/27/11 16:25	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			12/27/11 16:25	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			12/27/11 16:25	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			12/27/11 16:25	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/27/11 16:25	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			12/27/11 16:25	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/27/11 16:25	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			12/27/11 16:25	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			12/27/11 16:25	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			12/27/11 16:25	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			12/27/11 16:25	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			12/27/11 16:25	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			12/27/11 16:25	1
Naphthalene	2.5	U	5.0	2.5	ug/L			12/27/11 16:25	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			12/27/11 16:25	1
Styrene	0.98	U	2.0	0.98	ug/L			12/27/11 16:25	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			12/27/11 16:25	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			12/27/11 16:25	1
Toluene	1.0	U	1.0	1.0	ug/L			12/27/11 16:25	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			12/27/11 16:25	1

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

Lab Sample ID: MB 660-119259/7
Matrix: Water
Analysis Batch: 119259

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			12/27/11 16:25	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			12/27/11 16:25	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			12/27/11 16:25	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			12/27/11 16:25	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			12/27/11 16:25	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			12/27/11 16:25	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			12/27/11 16:25	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			12/27/11 16:25	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/27/11 16:25	1
o-Xylene	0.50	U	1.0	0.50	ug/L			12/27/11 16:25	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			12/27/11 16:25	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			12/27/11 16:25	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			12/27/11 16:25	1
2-Hexanone	4.4	U	10	4.4	ug/L			12/27/11 16:25	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			12/27/11 16:25	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			12/27/11 16:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*104*		*70 - 130*		*12/27/11 16:25*	*1*
4-Bromofluorobenzene	*105*		*70 - 130*		*12/27/11 16:25*	*1*
Dibromofluoromethane	*109*		*70 - 130*		*12/27/11 16:25*	*1*

Lab Sample ID: LCS 660-119259/5
Matrix: Water
Analysis Batch: 119259

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	40.0	42.8		ug/L		107	62 - 142
Benzene	20.0	21.2		ug/L		106	68 - 134
Bromobenzene	20.0	16.7		ug/L		84	70 - 130
Chlorobromomethane	20.0	21.4		ug/L		107	70 - 130
Dichlorobromomethane	20.0	19.6		ug/L		98	70 - 130
Bromoform	20.0	19.3		ug/L		96	65 - 130
Bromomethane	20.0	14.7		ug/L		73	22 - 150
n-Butylbenzene	20.0	16.1		ug/L		81	61 - 131
sec-Butylbenzene	20.0	17.6		ug/L		88	68 - 133
tert-Butylbenzene	20.0	15.3		ug/L		76	64 - 130
Carbon tetrachloride	20.0	18.6		ug/L		93	61 - 134
Chlorobenzene	20.0	19.9		ug/L		99	70 - 130
Chloroethane	20.0	15.2		ug/L		76	39 - 150
Chloroform	20.0	18.3		ug/L		92	68 - 130
Chloromethane	20.0	10.7		ug/L		54	35 - 150
2-Chlorotoluene	20.0	17.2		ug/L		86	70 - 130
4-Chlorotoluene	20.0	16.6		ug/L		83	70 - 130
Chlorodibromomethane	20.0	21.1		ug/L		105	70 - 130
1,2-Dibromo-3-Chloropropane	20.0	16.2		ug/L		81	63 - 130
Ethylene Dibromide	20.0	22.3		ug/L		112	66 - 130
Dibromomethane	20.0	19.5		ug/L		98	70 - 130
1,2-Dichlorobenzene	20.0	18.4		ug/L		92	70 - 130

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

Lab Sample ID: LCS 660-119259/5
Matrix: Water
Analysis Batch: 119259

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3-Dichlorobenzene	20.0	18.0		ug/L		90	70 - 130
1,4-Dichlorobenzene	20.0	19.0		ug/L		95	70 - 130
Dichlorodifluoromethane	20.0	18.6		ug/L		93	16 - 149
1,1-Dichloroethane	20.0	18.9		ug/L		95	66 - 130
1,2-Dichloroethane	20.0	17.0		ug/L		85	70 - 130
1,1,1,2-Tetrachloroethane	20.0	18.5		ug/L		92	70 - 130
1,1-Dichloroethene	20.0	21.0		ug/L		105	51 - 150
cis-1,2-Dichloroethene	20.0	18.3		ug/L		92	66 - 130
trans-1,2-Dichloroethene	20.0	21.4		ug/L		107	62 - 139
1,2-Dichloropropane	20.0	19.7		ug/L		98	70 - 130
1,3-Dichloropropane	20.0	20.7		ug/L		103	70 - 130
2,2-Dichloropropane	20.0	18.5		ug/L		93	66 - 134
1,1-Dichloropropene	20.0	19.5		ug/L		97	65 - 136
cis-1,3-Dichloropropene	20.0	21.1		ug/L		105	70 - 130
trans-1,3-Dichloropropene	20.0	19.0		ug/L		95	67 - 130
Ethylbenzene	20.0	20.1		ug/L		100	70 - 130
Hexachlorobutadiene	20.0	16.2		ug/L		81	62 - 143
Isopropylbenzene	20.0	18.5		ug/L		93	62 - 130
4-Isopropyltoluene	20.0	18.4		ug/L		92	65 - 134
Methylene Chloride	20.0	16.2		ug/L		81	57 - 130
Naphthalene	20.0	14.1		ug/L		71	50 - 136
N-Propylbenzene	20.0	16.6		ug/L		83	67 - 130
Styrene	20.0	20.1		ug/L		101	68 - 131
1,1,2,2-Tetrachloroethane	20.0	16.0		ug/L		80	70 - 130
Tetrachloroethene	20.0	23.0		ug/L		115	50 - 143
Toluene	20.0	20.4		ug/L		102	70 - 131
1,2,3-Trichlorobenzene	20.0	16.5		ug/L		82	58 - 132
1,2,4-Trichlorobenzene	20.0	16.0		ug/L		80	66 - 130
1,1,1-Trichloroethane	20.0	18.3		ug/L		91	63 - 132
1,1,2-Trichloroethane	20.0	19.6		ug/L		98	70 - 130
Trichloroethene	20.0	21.2		ug/L		106	63 - 139
Trichlorofluoromethane	20.0	19.2		ug/L		96	62 - 146
1,2,3-Trichloropropane	20.0	17.0		ug/L		85	66 - 130
1,2,4-Trimethylbenzene	20.0	17.0		ug/L		85	70 - 132
1,3,5-Trimethylbenzene	20.0	17.0		ug/L		85	65 - 134
Vinyl chloride	20.0	12.4		ug/L		62	48 - 147
o-Xylene	20.0	19.8		ug/L		99	69 - 130
2-Butanone (MEK)	40.0	39.6		ug/L		99	63 - 140
4-Methyl-2-pentanone (MIBK)	40.0	37.0		ug/L		93	64 - 137
Carbon disulfide	40.0	51.2		ug/L		128	30 - 150
2-Hexanone	40.0	40.2		ug/L		101	60 - 148
Methyl tert-butyl ether	40.0	39.6		ug/L		99	67 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*97*		*70 - 130*
4-Bromofluorobenzene	*95*		*70 - 130*
Dibromofluoromethane	*97*		*70 - 130*

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

Lab Sample ID: 660-45307-H-2 MS
Matrix: Water
Analysis Batch: 119259

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	9.9	U	40.0	33.0		ug/L		82	62 - 142
Benzene	0.50	U	20.0	22.3		ug/L		111	68 - 134
Bromobenzene	0.58	U	20.0	19.0		ug/L		95	70 - 130
Chlorobromomethane	0.58	U	20.0	24.1		ug/L		121	70 - 130
Dichlorobromomethane	0.35	U	20.0	21.2		ug/L		106	70 - 130
Bromoform	0.58	U	20.0	21.4		ug/L		107	65 - 130
Bromomethane	2.5	U	20.0	13.1		ug/L		65	22 - 150
n-Butylbenzene	0.67	U	20.0	17.3		ug/L		87	61 - 131
sec-Butylbenzene	0.63	U	20.0	17.2		ug/L		86	68 - 133
tert-Butylbenzene	0.84	U	20.0	16.7		ug/L		83	64 - 130
Carbon tetrachloride	0.42	U	20.0	17.7		ug/L		89	61 - 134
Chlorobenzene	0.63	U	20.0	20.3		ug/L		101	70 - 130
Chloroethane	2.5	U	20.0	19.6		ug/L		98	39 - 150
Chloroform	0.90	U	20.0	19.0		ug/L		95	68 - 130
Chloromethane	1.0	U	20.0	20.0		ug/L		100	35 - 150
2-Chlorotoluene	0.65	U	20.0	17.8		ug/L		89	70 - 130
4-Chlorotoluene	0.52	U	20.0	17.4		ug/L		87	70 - 130
Chlorodibromomethane	0.34	U	20.0	22.3		ug/L		111	70 - 130
1,2-Dibromo-3-Chloropropane	2.5	U	20.0	18.8		ug/L		94	63 - 130
Ethylene Dibromide	0.50	U	20.0	23.7		ug/L		119	66 - 130
Dibromomethane	0.41	U	20.0	21.9		ug/L		110	70 - 130
1,2-Dichlorobenzene	0.44	U	20.0	19.2		ug/L		96	70 - 130
1,3-Dichlorobenzene	0.64	U	20.0	16.9		ug/L		85	70 - 130
1,4-Dichlorobenzene	0.52	U	20.0	17.9		ug/L		90	70 - 130
Dichlorodifluoromethane	2.5	U J3	20.0	31.7	J3	ug/L		159	16 - 149
1,1-Dichloroethane	0.52	U	20.0	19.2		ug/L		96	66 - 130
1,2-Dichloroethane	0.57	U	20.0	17.5		ug/L		88	70 - 130
1,1,1,2-Tetrachloroethane	0.63	U	20.0	19.4		ug/L		97	70 - 130
1,1-Dichloroethene	0.45	U	20.0	20.4		ug/L		102	51 - 150
cis-1,2-Dichloroethene	0.65	U	20.0	18.6		ug/L		93	66 - 130
trans-1,2-Dichloroethene	0.44	U	20.0	21.1		ug/L		105	62 - 139
1,2-Dichloropropane	0.52	U	20.0	20.9		ug/L		104	70 - 130
1,3-Dichloropropane	0.39	U	20.0	21.4		ug/L		107	70 - 130
2,2-Dichloropropane	0.36	U	20.0	18.7		ug/L		94	66 - 134
1,1-Dichloropropene	0.31	U	20.0	19.6		ug/L		98	65 - 136
cis-1,3-Dichloropropene	0.14	U	20.0	22.0		ug/L		110	70 - 130
trans-1,3-Dichloropropene	0.14	U	20.0	19.8		ug/L		99	67 - 130
Ethylbenzene	0.44	U	20.0	20.1		ug/L		100	70 - 130
Hexachlorobutadiene	0.40	U	20.0	15.3		ug/L		76	62 - 143
Isopropylbenzene	0.19	U	20.0	19.9		ug/L		100	62 - 130
4-Isopropyltoluene	0.69	U	20.0	17.8		ug/L		89	65 - 134
Methylene Chloride	4.0	U	20.0	17.0		ug/L		85	57 - 130
Naphthalene	2.5	U	20.0	14.1		ug/L		70	50 - 136
N-Propylbenzene	0.59	U	20.0	17.4		ug/L		87	67 - 130
Styrene	0.98	U	20.0	20.3		ug/L		101	68 - 131
1,1,2,2-Tetrachloroethane	0.15	U	20.0	19.3		ug/L		97	70 - 130
Tetrachloroethene	0.50	U	20.0	23.8		ug/L		119	50 - 143
Toluene	1.0	U	20.0	22.6		ug/L		113	70 - 131
1,2,3-Trichlorobenzene	0.77	U	20.0	18.1		ug/L		91	58 - 132

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

Lab Sample ID: 660-45307-H-2 MS
Matrix: Water
Analysis Batch: 119259

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	0.58	U	20.0	15.7		ug/L		79	66 - 130
1,1,1-Trichloroethane	0.46	U	20.0	18.3		ug/L		91	63 - 132
1,1,2-Trichloroethane	0.47	U	20.0	23.4		ug/L		117	70 - 130
Trichloroethene	0.50	U	20.0	21.5		ug/L		107	63 - 139
Trichlorofluoromethane	2.5	U	20.0	22.0		ug/L		110	62 - 146
1,2,3-Trichloropropane	0.18	U	20.0	18.7		ug/L		94	66 - 130
1,2,4-Trimethylbenzene	0.86	U	20.0	17.8		ug/L		89	70 - 132
1,3,5-Trimethylbenzene	0.54	U	20.0	17.9		ug/L		89	65 - 134
Vinyl chloride	0.50	U	20.0	20.7		ug/L		103	48 - 147
o-Xylene	0.50	U	20.0	20.9		ug/L		104	69 - 130
2-Butanone (MEK)	8.4	U	40.0	41.8		ug/L		104	63 - 140
4-Methyl-2-pentanone (MIBK)	3.8	U	40.0	44.0		ug/L		110	64 - 137
Carbon disulfide	1.0	U	40.0	53.3		ug/L		133	30 - 150
2-Hexanone	4.4	U	40.0	38.4		ug/L		96	60 - 148
Methyl tert-butyl ether	0.44	U	40.0	40.8		ug/L		102	67 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*105*		*70 - 130*
4-Bromofluorobenzene	*100*		*70 - 130*
Dibromofluoromethane	*95*		*70 - 130*

Lab Sample ID: 660-45307-H-1 DU
Matrix: Water
Analysis Batch: 119259

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Acetone	9.9		9.9	U	ug/L		NC	30
Benzene	0.50		0.50	U	ug/L		NC	30
Bromobenzene	0.58		0.58	U	ug/L		NC	30
Chlorobromomethane	0.58		0.58	U	ug/L		NC	30
Dichlorobromomethane	0.35		0.35	U	ug/L		NC	30
Bromoform	0.58		0.58	U	ug/L		NC	30
Bromomethane	2.5		2.5	U	ug/L		NC	30
n-Butylbenzene	0.67		0.67	U	ug/L		NC	30
sec-Butylbenzene	0.63		0.63	U	ug/L		NC	30
tert-Butylbenzene	0.84		0.84	U	ug/L		NC	30
Carbon tetrachloride	0.42		0.42	U	ug/L		NC	30
Chlorobenzene	0.63		0.63	U	ug/L		NC	30
Chloroethane	2.5		2.5	U	ug/L		NC	30
Chloroform	0.90		0.90	U	ug/L		NC	30
Chloromethane	1.0		1.0	U	ug/L		NC	30
2-Chlorotoluene	0.65		0.65	U	ug/L		NC	30
4-Chlorotoluene	0.52		0.52	U	ug/L		NC	30
Chlorodibromomethane	0.34		0.34	U	ug/L		NC	30
1,2-Dibromo-3-Chloropropane	2.5		2.5	U	ug/L		NC	30
Ethylene Dibromide	0.50		0.50	U	ug/L		NC	30
Dibromomethane	0.41		0.41	U	ug/L		NC	30
1,2-Dichlorobenzene	0.44		0.44	U	ug/L		NC	30
1,3-Dichlorobenzene	0.64		0.64	U	ug/L		NC	30

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

Lab Sample ID: 660-45307-H-1 DU
Matrix: Water
Analysis Batch: 119259

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
1,4-Dichlorobenzene	0.52			0.52	U	ug/L				NC	30
Dichlorodifluoromethane	2.5			2.5	U	ug/L				NC	30
1,1-Dichloroethane	0.52			0.52	U	ug/L				NC	30
1,2-Dichloroethane	0.57			0.57	U	ug/L				NC	30
1,1,1,2-Tetrachloroethane	0.63			0.63	U	ug/L				NC	30
1,1-Dichloroethene	0.45			0.45	U	ug/L				NC	30
cis-1,2-Dichloroethene	0.65			0.65	U	ug/L				NC	30
trans-1,2-Dichloroethene	0.44			0.44	U	ug/L				NC	30
1,2-Dichloropropane	0.52			0.52	U	ug/L				NC	30
1,3-Dichloropropane	0.39			0.39	U	ug/L				NC	30
2,2-Dichloropropane	0.36			0.36	U	ug/L				NC	30
1,1-Dichloropropene	0.31			0.31	U	ug/L				NC	30
cis-1,3-Dichloropropene	0.14			0.14	U	ug/L				NC	30
trans-1,3-Dichloropropene	0.14			0.14	U	ug/L				NC	30
Ethylbenzene	0.44			0.44	U	ug/L				NC	30
Hexachlorobutadiene	0.40			0.40	U	ug/L				NC	30
Isopropylbenzene	0.19			0.19	U	ug/L				NC	30
4-Isopropyltoluene	0.69			0.69	U	ug/L				NC	30
Methylene Chloride	4.0			4.0	U	ug/L				NC	30
Naphthalene	2.5			2.5	U	ug/L				NC	30
N-Propylbenzene	0.59			0.59	U	ug/L				NC	30
Styrene	0.98			0.98	U	ug/L				NC	30
1,1,2,2-Tetrachloroethane	0.15			0.15	U	ug/L				NC	30
Tetrachloroethene	0.50			0.50	U	ug/L				NC	30
Toluene	1.0			1.0	U	ug/L				NC	30
1,2,3-Trichlorobenzene	0.77			0.77	U	ug/L				NC	30
1,2,4-Trichlorobenzene	0.58			0.58	U	ug/L				NC	30
1,1,1-Trichloroethane	0.46			0.46	U	ug/L				NC	30
1,1,2-Trichloroethane	0.47			0.47	U	ug/L				NC	30
Trichloroethene	0.50			0.50	U	ug/L				NC	30
Trichlorofluoromethane	2.5			2.5	U	ug/L				NC	30
1,2,3-Trichloropropane	0.18			0.18	U	ug/L				NC	30
1,2,4-Trimethylbenzene	0.86			0.86	U	ug/L				NC	30
1,3,5-Trimethylbenzene	0.54			0.54	U	ug/L				NC	30
Vinyl chloride	0.50			0.50	U	ug/L				NC	30
o-Xylene	0.50			0.50	U	ug/L				NC	30
2-Butanone (MEK)	8.4			8.4	U	ug/L				NC	30
4-Methyl-2-pentanone (MIBK)	3.8			3.8	U	ug/L				NC	30
Carbon disulfide	1.0			1.0	U	ug/L				NC	30
2-Hexanone	4.4			4.4	U	ug/L				NC	30
Methyl tert-butyl ether	0.44			0.44	U	ug/L				NC	30
m-Xylene & p-Xylene	0.60			0.60	U	ug/L				NC	30

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
Toluene-d8 (Surr)	*101*		*70 - 130*
4-Bromofluorobenzene	*92*		*70 - 130*
Dibromofluoromethane	*96*		*70 - 130*

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45409-1
SDG: 660-45409

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Lab Sample ID: MB 660-119244/17 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 119244

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			12/27/11 21:18	1

Lab Sample ID: LCS 660-119244/15 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 119244

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,4-Dioxane			25.0	23.2		ug/L		93	50 - 150		

Lab Sample ID: 660-45409-1 MS — **Client Sample ID: Primary GAC Effluent 12/27/2011**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 119244

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,4-Dioxane	1.0	U	25.0	22.3		ug/L		89	50 - 150		

Lab Sample ID: 660-45409-1 DU — **Client Sample ID: Primary GAC Effluent 12/27/2011**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 119244

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
1,4-Dioxane	1.0	U		1.0	U	ug/L				NC	50

QC Association Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45409-1
SDG: 660-45409

GC/MS VOA

Analysis Batch: 119244

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-45409-1	Primary GAC Effluent 12/27/2011	Total/NA	Water	8260C _SIM/ID	
660-45409-1 DU	Primary GAC Effluent 12/27/2011	Total/NA	Water	8260C _SIM/ID	
660-45409-1 MS	Primary GAC Effluent 12/27/2011	Total/NA	Water	8260C _SIM/ID	
660-45409-2	Mid Process 12/27/2011	Total/NA	Water	8260C _SIM/ID	
LCS 660-119244/15	Lab Control Sample	Total/NA	Water	8260C _SIM/ID	
MB 660-119244/17	Method Blank	Total/NA	Water	8260C _SIM/ID	

Analysis Batch: 119259

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-45307-H-1 DU	Duplicate	Total/NA	Water	8260B	
660-45307-H-2 MS	Matrix Spike	Total/NA	Water	8260B	
660-45409-1	Primary GAC Effluent 12/27/2011	Total/NA	Water	8260B	
660-45409-2	Mid Process 12/27/2011	Total/NA	Water	8260B	
LCS 660-119259/5	Lab Control Sample	Total/NA	Water	8260B	
MB 660-119259/7	Method Blank	Total/NA	Water	8260B	

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45409-1
SDG: 660-45409

Client Sample ID: Primary GAC Effluent 12/27/2011

Lab Sample ID: 660-45409-1

Date Collected: 12/27/11 09:30

Matrix: Water

Date Received: 12/27/11 13:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C _SIM/ID		1	119244	12/27/11 21:40	RM	TAL TAM
Total/NA	Analysis	8260B		1	119259	12/27/11 19:08	RM	TAL TAM

Client Sample ID: Mid Process 12/27/2011

Lab Sample ID: 660-45409-2

Date Collected: 12/27/11 09:35

Matrix: Water

Date Received: 12/27/11 13:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C _SIM/ID		1	119244	12/27/11 23:11	RM	TAL TAM
Total/NA	Analysis	8260B		1	119259	12/27/11 19:25	RM	TAL TAM

Laboratory References:

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Certification Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45409-1
SDG: 660-45409

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Tampa	Alabama	State Program	4	40610
TestAmerica Tampa	Florida	NELAC	4	E84282
TestAmerica Tampa	Georgia	State Program	4	905
TestAmerica Tampa	USDA	USDA		P330-11-00177

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45409-1
SDG: 660-45409

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL TAM
8260C _SIM/ID	1,4-Dioxane by SIM/Isotopic Dilution	SW846	TAL TAM

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45409-1
SDG: 660-45409

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
660-45409-1	Primary GAC Effluent 12/27/2011	Water	12/27/11 09:30	12/27/11 13:45
660-45409-2	Mid Process 12/27/2011	Water	12/27/11 09:35	12/27/11 13:45

1660-45409 Serial Number 020586

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Tampa
6712 Benjamin Road, Suite 100
Tampa, FL 33634
Website: www.testamericainc.com
Phone: (813) 885-7427
Fax: (813) 885-7049

Alternate Laboratory Name/Location
Phone:
Fax:

12/29/2011

PROJECT REFERENCE: Tallevast Carbon OM	PROJECT NO.: —	PROJECT LOCATION (STATE): FL	PAGE 1 OF 1
SAMPLER'S SIGNATURE: [signature]	P.O. NUMBER: 38055.0035.00009	CONTRACT NO.:	STANDARD REPORT DELIVERY ○
CLIENT (SITE) PM: Don Sauda	CLIENT PHONE: 8137484874	CLIENT FAX: ~~—~~	DATE DUE:
CLIENT NAME: Arcadis	CLIENT E-MAIL: donald.sauda@arcadis-us.com		EXPEDITED REPORT DELIVERY (SURCHARGE) ○
CLIENT ADDRESS: 1600 Tallevast Rd Sarasota, FL 34243			DATE DUE: 48 hrs
COMPANY CONTRACTING THIS WORK (if applicable): LMC			NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT...)	8260 B/C SIM 1,4										REMARKS
								PRESERVATIVE										
								NUMBER OF CONTAINERS SUBMITTED										
12-27-11	0930	Primary GAC effluent	G	X				4										inf flow - 19.2
12-27-11	0935	Mid Process																sys flow - 18
																		inf pH - 2.8
																		eff pH - 6.2

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS			[signature]	12-27-11	1135			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
EMPTY CONTAINERS [signature]	12-23-11	0800	[signature]	12-27-11	1135			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	TAMPA LOG NO.	COOLER TEMP. UPON RECEIPT	LABORATORY REMARKS
Christian Edwards	12/27/11	13:45	YES ○ NO ○			2.8°C CV-OT	

TAL8240-660 (0209)

R625-EDC-002289-0

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 660-45409-1
SDG Number: 660-45409

Login Number: 45409
List Number: 1
Creator: Edwards, Erricka

List Source: TestAmerica Tampa

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	2.8c CU-07
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Tampa
6712 Benjamin Road
Suite 100
Tampa, FL 33634
Tel: (813)885-7427

TestAmerica Job ID: 660-45468-1
TestAmerica Sample Delivery Group: 660-45468
Client Project/Site: Tallevast Carbon OM

For:
ARCADIS U.S. Inc
6723 Towpath Road
PO BOX 66
Syracuse, New York 13214

Attn: Donald Sauda

Authorized for release by:
1/4/2012 4:59:48 PM

Tina Fritz
Project Manager II
tina.fritz@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45468-1
SDG: 660-45468

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates that the compound was analyzed for but not detected.
J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45468-1
SDG: 660-45468

Job ID: 660-45468-1

Laboratory: TestAmerica Tampa

Narrative

Job Narrative
660-45468-1

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
Method 8260B: A full list spike was utilized for this method. The LCS associated with batch 119439 had 2 analytes outside control limits. The laboratory's SOP allows for 5 analytes to recover outside criteria for this method when a full list spike is utilized. These results have been reported and qualified.

No other analytical or quality issues were noted.

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45468-1
SDG: 660-45468

Client Sample ID: Primary GAC Effluent 010312 — Lab Sample ID: 660-45468-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	3.0		1.0	0.52	ug/L	1		8260B	Total/NA

Client Sample ID: Mid Process 010312 — Lab Sample ID: 660-45468-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	17	I J3	20	9.9	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	15		1.0	0.52	ug/L	1		8260B	Total/NA

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45468-1
SDG: 660-45468

Client Sample ID: Primary GAC Effluent 010312

Lab Sample ID: 660-45468-1

Date Collected: 01/03/12 10:00
Date Received: 01/03/12 13:15

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U J3	20	9.9	ug/L			01/04/12 09:27	1
Benzene	0.50	U	1.0	0.50	ug/L			01/04/12 09:27	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			01/04/12 09:27	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			01/04/12 09:27	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			01/04/12 09:27	1
Bromoform	0.58	U	1.0	0.58	ug/L			01/04/12 09:27	1
Bromomethane	2.5	U	5.0	2.5	ug/L			01/04/12 09:27	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			01/04/12 09:27	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			01/04/12 09:27	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			01/04/12 09:27	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			01/04/12 09:27	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			01/04/12 09:27	1
Chloroethane	2.5	U	5.0	2.5	ug/L			01/04/12 09:27	1
Chloroform	0.90	U	1.0	0.90	ug/L			01/04/12 09:27	1
Chloromethane	1.0	U	4.0	1.0	ug/L			01/04/12 09:27	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			01/04/12 09:27	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			01/04/12 09:27	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			01/04/12 09:27	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			01/04/12 09:27	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			01/04/12 09:27	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			01/04/12 09:27	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			01/04/12 09:27	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			01/04/12 09:27	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			01/04/12 09:27	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			01/04/12 09:27	1
1,1-Dichloroethane	**3.0**		1.0	0.52	ug/L			01/04/12 09:27	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			01/04/12 09:27	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			01/04/12 09:27	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			01/04/12 09:27	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			01/04/12 09:27	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			01/04/12 09:27	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			01/04/12 09:27	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			01/04/12 09:27	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			01/04/12 09:27	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			01/04/12 09:27	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/04/12 09:27	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/04/12 09:27	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			01/04/12 09:27	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			01/04/12 09:27	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			01/04/12 09:27	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			01/04/12 09:27	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			01/04/12 09:27	1
Naphthalene	2.5	U	5.0	2.5	ug/L			01/04/12 09:27	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			01/04/12 09:27	1
Styrene	0.98	U	2.0	0.98	ug/L			01/04/12 09:27	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			01/04/12 09:27	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			01/04/12 09:27	1
Toluene	1.0	U	1.0	1.0	ug/L			01/04/12 09:27	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			01/04/12 09:27	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			01/04/12 09:27	1

Client Sample ID: Primary GAC Effluent 010312

Lab Sample ID: 660-45468-1

Date Collected: 01/03/12 10:00
Matrix: Water
Date Received: 01/03/12 13:15

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			01/04/12 09:27	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			01/04/12 09:27	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			01/04/12 09:27	1
Trichlorofluoromethane	2.5	U J3	5.0	2.5	ug/L			01/04/12 09:27	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			01/04/12 09:27	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			01/04/12 09:27	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			01/04/12 09:27	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			01/04/12 09:27	1
o-Xylene	0.50	U	1.0	0.50	ug/L			01/04/12 09:27	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			01/04/12 09:27	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			01/04/12 09:27	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			01/04/12 09:27	1
2-Hexanone	4.4	U	10	4.4	ug/L			01/04/12 09:27	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			01/04/12 09:27	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			01/04/12 09:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*70 - 130*		*01/04/12 09:27*	*1*
4-Bromofluorobenzene	*101*		*70 - 130*		*01/04/12 09:27*	*1*
Dibromofluoromethane	*103*		*70 - 130*		*01/04/12 09:27*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			01/03/12 20:31	1

Client Sample ID: Mid Process 010312

Lab Sample ID: 660-45468-2

Date Collected: 01/03/12 10:05
Matrix: Water
Date Received: 01/03/12 13:15

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**17**	**I J3**	20	9.9	ug/L			01/04/12 10:13	1
Benzene	0.50	U	1.0	0.50	ug/L			01/04/12 10:13	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			01/04/12 10:13	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			01/04/12 10:13	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			01/04/12 10:13	1
Bromoform	0.58	U	1.0	0.58	ug/L			01/04/12 10:13	1
Bromomethane	2.5	U	5.0	2.5	ug/L			01/04/12 10:13	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			01/04/12 10:13	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			01/04/12 10:13	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			01/04/12 10:13	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			01/04/12 10:13	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			01/04/12 10:13	1
Chloroethane	2.5	U	5.0	2.5	ug/L			01/04/12 10:13	1
Chloroform	0.90	U	1.0	0.90	ug/L			01/04/12 10:13	1
Chloromethane	1.0	U	4.0	1.0	ug/L			01/04/12 10:13	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			01/04/12 10:13	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			01/04/12 10:13	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			01/04/12 10:13	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			01/04/12 10:13	1

Client Sample ID: Mid Process 010312

Date Collected: 01/03/12 10:05
Date Received: 01/03/12 13:15

Lab Sample ID: 660-45468-2

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			01/04/12 10:13	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			01/04/12 10:13	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			01/04/12 10:13	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			01/04/12 10:13	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			01/04/12 10:13	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			01/04/12 10:13	1
1,1-Dichloroethane	**15**		1.0	0.52	ug/L			01/04/12 10:13	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			01/04/12 10:13	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			01/04/12 10:13	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			01/04/12 10:13	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			01/04/12 10:13	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			01/04/12 10:13	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			01/04/12 10:13	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			01/04/12 10:13	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			01/04/12 10:13	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			01/04/12 10:13	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/04/12 10:13	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/04/12 10:13	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			01/04/12 10:13	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			01/04/12 10:13	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			01/04/12 10:13	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			01/04/12 10:13	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			01/04/12 10:13	1
Naphthalene	2.5	U	5.0	2.5	ug/L			01/04/12 10:13	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			01/04/12 10:13	1
Styrene	0.98	U	2.0	0.98	ug/L			01/04/12 10:13	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			01/04/12 10:13	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			01/04/12 10:13	1
Toluene	1.0	U	1.0	1.0	ug/L			01/04/12 10:13	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			01/04/12 10:13	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			01/04/12 10:13	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			01/04/12 10:13	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			01/04/12 10:13	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			01/04/12 10:13	1
Trichlorofluoromethane	2.5	U J3	5.0	2.5	ug/L			01/04/12 10:13	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			01/04/12 10:13	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			01/04/12 10:13	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			01/04/12 10:13	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			01/04/12 10:13	1
o-Xylene	0.50	U	1.0	0.50	ug/L			01/04/12 10:13	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			01/04/12 10:13	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			01/04/12 10:13	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			01/04/12 10:13	1
2-Hexanone	4.4	U	10	4.4	ug/L			01/04/12 10:13	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			01/04/12 10:13	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			01/04/12 10:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*70 - 130*		*01/04/12 10:13*	*1*
4-Bromofluorobenzene	*102*		*70 - 130*		*01/04/12 10:13*	*1*

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45468-1
SDG: 660-45468

Client Sample ID: Mid Process 010312

Date Collected: 01/03/12 10:05
Date Received: 01/03/12 13:15

Lab Sample ID: 660-45468-2

Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*102*		*70 - 130*		*01/04/12 10:13*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			01/03/12 21:12	1

Surrogate Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45468-1
SDG: 660-45468

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)
660-45468-1	Primary GAC Effluent 010312	102	101	103
660-45468-1 DU	Primary GAC Effluent 010312	103	101	103
660-45468-2	Mid Process 010312	102	102	102
660-45468-2 MS	Mid Process 010312	103	101	105
LCS 660-119439/4	Lab Control Sample	102	101	103
MB 660-119439/6	Method Blank	102	101	105

Surrogate Legend

TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane

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

Lab Sample ID: MB 660-119439/6
Matrix: Water
Analysis Batch: 119439

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			01/04/12 08:35	1
Benzene	0.50	U	1.0	0.50	ug/L			01/04/12 08:35	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			01/04/12 08:35	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			01/04/12 08:35	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			01/04/12 08:35	1
Bromoform	0.58	U	1.0	0.58	ug/L			01/04/12 08:35	1
Bromomethane	2.5	U	5.0	2.5	ug/L			01/04/12 08:35	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			01/04/12 08:35	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			01/04/12 08:35	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			01/04/12 08:35	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			01/04/12 08:35	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			01/04/12 08:35	1
Chloroethane	2.5	U	5.0	2.5	ug/L			01/04/12 08:35	1
Chloroform	0.90	U	1.0	0.90	ug/L			01/04/12 08:35	1
Chloromethane	1.0	U	4.0	1.0	ug/L			01/04/12 08:35	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			01/04/12 08:35	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			01/04/12 08:35	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			01/04/12 08:35	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			01/04/12 08:35	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			01/04/12 08:35	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			01/04/12 08:35	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			01/04/12 08:35	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			01/04/12 08:35	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			01/04/12 08:35	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			01/04/12 08:35	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			01/04/12 08:35	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			01/04/12 08:35	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			01/04/12 08:35	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			01/04/12 08:35	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			01/04/12 08:35	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			01/04/12 08:35	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			01/04/12 08:35	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			01/04/12 08:35	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			01/04/12 08:35	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			01/04/12 08:35	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/04/12 08:35	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/04/12 08:35	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			01/04/12 08:35	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			01/04/12 08:35	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			01/04/12 08:35	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			01/04/12 08:35	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			01/04/12 08:35	1
Naphthalene	2.5	U	5.0	2.5	ug/L			01/04/12 08:35	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			01/04/12 08:35	1
Styrene	0.98	U	2.0	0.98	ug/L			01/04/12 08:35	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			01/04/12 08:35	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			01/04/12 08:35	1
Toluene	1.0	U	1.0	1.0	ug/L			01/04/12 08:35	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			01/04/12 08:35	1

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

Lab Sample ID: MB 660-119439/6
Matrix: Water
Analysis Batch: 119439

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			01/04/12 08:35	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			01/04/12 08:35	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			01/04/12 08:35	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			01/04/12 08:35	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			01/04/12 08:35	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			01/04/12 08:35	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			01/04/12 08:35	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			01/04/12 08:35	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			01/04/12 08:35	1
o-Xylene	0.50	U	1.0	0.50	ug/L			01/04/12 08:35	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			01/04/12 08:35	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			01/04/12 08:35	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			01/04/12 08:35	1
2-Hexanone	4.4	U	10	4.4	ug/L			01/04/12 08:35	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			01/04/12 08:35	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			01/04/12 08:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*70 - 130*		*01/04/12 08:35*	*1*
4-Bromofluorobenzene	*101*		*70 - 130*		*01/04/12 08:35*	*1*
Dibromofluoromethane	*105*		*70 - 130*		*01/04/12 08:35*	*1*

Lab Sample ID: LCS 660-119439/4
Matrix: Water
Analysis Batch: 119439

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	40.0	69.4	J3	ug/L		173	62 - 142
Benzene	20.0	19.2		ug/L		96	68 - 134
Bromobenzene	20.0	19.8		ug/L		99	70 - 130
Chlorobromomethane	20.0	19.4		ug/L		97	70 - 130
Dichlorobromomethane	20.0	20.5		ug/L		102	70 - 130
Bromoform	20.0	19.2		ug/L		96	65 - 130
Bromomethane	20.0	12.5		ug/L		62	22 - 150
n-Butylbenzene	20.0	20.0		ug/L		100	61 - 131
sec-Butylbenzene	20.0	19.2		ug/L		96	68 - 133
tert-Butylbenzene	20.0	19.8		ug/L		99	64 - 130
Carbon tetrachloride	20.0	20.5		ug/L		102	61 - 134
Chlorobenzene	20.0	19.1		ug/L		95	70 - 130
Chloroethane	20.0	22.8		ug/L		114	39 - 150
Chloroform	20.0	19.1		ug/L		95	68 - 130
Chloromethane	20.0	15.6		ug/L		78	35 - 150
2-Chlorotoluene	20.0	19.5		ug/L		97	70 - 130
4-Chlorotoluene	20.0	19.6		ug/L		98	70 - 130
Chlorodibromomethane	20.0	19.7		ug/L		99	70 - 130
1,2-Dibromo-3-Chloropropane	20.0	21.7		ug/L		108	63 - 130
Ethylene Dibromide	20.0	19.9		ug/L		99	66 - 130
Dibromomethane	20.0	20.5		ug/L		103	70 - 130
1,2-Dichlorobenzene	20.0	18.8		ug/L		94	70 - 130

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

Lab Sample ID: LCS 660-119439/4
Matrix: Water
Analysis Batch: 119439

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3-Dichlorobenzene	20.0	19.7		ug/L		99	70 - 130
1,4-Dichlorobenzene	20.0	18.8		ug/L		94	70 - 130
Dichlorodifluoromethane	20.0	14.1		ug/L		71	16 - 149
1,1-Dichloroethane	20.0	19.6		ug/L		98	66 - 130
1,2-Dichloroethane	20.0	21.9		ug/L		109	70 - 130
1,1,1,2-Tetrachloroethane	20.0	18.7		ug/L		94	70 - 130
1,1-Dichloroethene	20.0	20.5		ug/L		102	51 - 150
cis-1,2-Dichloroethene	20.0	20.3		ug/L		101	66 - 130
trans-1,2-Dichloroethene	20.0	19.9		ug/L		100	62 - 139
1,2-Dichloropropane	20.0	19.6		ug/L		98	70 - 130
1,3-Dichloropropane	20.0	21.0		ug/L		105	70 - 130
2,2-Dichloropropane	20.0	20.7		ug/L		104	66 - 134
1,1-Dichloropropene	20.0	20.2		ug/L		101	65 - 136
cis-1,3-Dichloropropene	20.0	19.6		ug/L		98	70 - 130
trans-1,3-Dichloropropene	20.0	19.6		ug/L		98	67 - 130
Ethylbenzene	20.0	19.3		ug/L		97	70 - 130
Hexachlorobutadiene	20.0	20.1		ug/L		100	62 - 143
Isopropylbenzene	20.0	19.0		ug/L		95	62 - 130
4-Isopropyltoluene	20.0	20.4		ug/L		102	65 - 134
Methylene Chloride	20.0	18.7		ug/L		94	57 - 130
Naphthalene	20.0	20.4		ug/L		102	50 - 136
N-Propylbenzene	20.0	19.9		ug/L		100	67 - 130
Styrene	20.0	19.4		ug/L		97	68 - 131
1,1,2,2-Tetrachloroethane	20.0	20.9		ug/L		105	70 - 130
Tetrachloroethene	20.0	13.4		ug/L		67	50 - 143
Toluene	20.0	19.4		ug/L		97	70 - 131
1,2,3-Trichlorobenzene	20.0	20.2		ug/L		101	58 - 132
1,2,4-Trichlorobenzene	20.0	19.7		ug/L		99	66 - 130
1,1,1-Trichloroethane	20.0	20.2		ug/L		101	63 - 132
1,1,2-Trichloroethane	20.0	19.6		ug/L		98	70 - 130
Trichloroethene	20.0	19.0		ug/L		95	63 - 139
Trichlorofluoromethane	20.0	29.4	J3	ug/L		147	62 - 146
1,2,3-Trichloropropane	20.0	20.9		ug/L		105	66 - 130
1,2,4-Trimethylbenzene	20.0	19.9		ug/L		99	70 - 132
1,3,5-Trimethylbenzene	20.0	19.4		ug/L		97	65 - 134
Vinyl chloride	20.0	20.0		ug/L		100	48 - 147
o-Xylene	20.0	19.3		ug/L		96	69 - 130
2-Butanone (MEK)	40.0	53.4		ug/L		133	63 - 140
4-Methyl-2-pentanone (MIBK)	40.0	48.8		ug/L		122	64 - 137
Carbon disulfide	40.0	55.6		ug/L		139	30 - 150
2-Hexanone	40.0	51.3		ug/L		128	60 - 148
Methyl tert-butyl ether	40.0	43.5		ug/L		109	67 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*102*		*70 - 130*
4-Bromofluorobenzene	*101*		*70 - 130*
Dibromofluoromethane	*103*		*70 - 130*

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

Lab Sample ID: 660-45468-2 MS
Matrix: Water
Analysis Batch: 119439

Client Sample ID: Mid Process 010312
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	17	I J3	40.0	68.6		ug/L		129	62 - 142
Benzene	0.50	U	20.0	19.2		ug/L		96	68 - 134
Bromobenzene	0.58	U	20.0	20.2		ug/L		101	70 - 130
Chlorobromomethane	0.58	U	20.0	20.4		ug/L		102	70 - 130
Dichlorobromomethane	0.35	U	20.0	20.7		ug/L		104	70 - 130
Bromoform	0.58	U	20.0	19.1		ug/L		96	65 - 130
Bromomethane	2.5	U	20.0	15.5		ug/L		78	22 - 150
n-Butylbenzene	0.67	U	20.0	17.9		ug/L		89	61 - 131
sec-Butylbenzene	0.63	U	20.0	17.1		ug/L		86	68 - 133
tert-Butylbenzene	0.84	U	20.0	18.4		ug/L		92	64 - 130
Carbon tetrachloride	0.42	U	20.0	17.3		ug/L		86	61 - 134
Chlorobenzene	0.63	U	20.0	19.4		ug/L		97	70 - 130
Chloroethane	2.5	U	20.0	24.4		ug/L		122	39 - 150
Chloroform	0.90	U	20.0	18.7		ug/L		94	68 - 130
Chloromethane	1.0	U	20.0	16.4		ug/L		82	35 - 150
2-Chlorotoluene	0.65	U	20.0	19.1		ug/L		95	70 - 130
4-Chlorotoluene	0.52	U	20.0	19.3		ug/L		96	70 - 130
Chlorodibromomethane	0.34	U	20.0	20.2		ug/L		101	70 - 130
1,2-Dibromo-3-Chloropropane	2.5	U	20.0	21.5		ug/L		108	63 - 130
Ethylene Dibromide	0.50	U	20.0	20.7		ug/L		103	66 - 130
Dibromomethane	0.41	U	20.0	21.9		ug/L		109	70 - 130
1,2-Dichlorobenzene	0.44	U	20.0	19.6		ug/L		98	70 - 130
1,3-Dichlorobenzene	0.64	U	20.0	19.8		ug/L		99	70 - 130
1,4-Dichlorobenzene	0.52	U	20.0	19.0		ug/L		95	70 - 130
Dichlorodifluoromethane	2.5	U	20.0	13.9		ug/L		70	16 - 149
1,1-Dichloroethane	15		20.0	32.2		ug/L		88	66 - 130
1,2-Dichloroethane	0.57	U	20.0	23.4		ug/L		117	70 - 130
1,1,1,2-Tetrachloroethane	0.63	U	20.0	19.6		ug/L		98	70 - 130
1,1-Dichloroethene	0.45	U	20.0	17.9		ug/L		89	51 - 150
cis-1,2-Dichloroethene	0.65	U	20.0	20.2		ug/L		101	66 - 130
trans-1,2-Dichloroethene	0.44	U	20.0	18.6		ug/L		93	62 - 139
1,2-Dichloropropane	0.52	U	20.0	20.7		ug/L		103	70 - 130
1,3-Dichloropropane	0.39	U	20.0	21.4		ug/L		107	70 - 130
2,2-Dichloropropane	0.36	U	20.0	18.6		ug/L		93	66 - 134
1,1-Dichloropropene	0.31	U	20.0	17.5		ug/L		87	65 - 136
cis-1,3-Dichloropropene	0.14	U	20.0	20.2		ug/L		101	70 - 130
trans-1,3-Dichloropropene	0.14	U	20.0	19.8		ug/L		99	67 - 130
Ethylbenzene	0.44	U	20.0	18.5		ug/L		93	70 - 130
Hexachlorobutadiene	0.40	U	20.0	17.4		ug/L		87	62 - 143
Isopropylbenzene	0.19	U	20.0	18.1		ug/L		91	62 - 130
4-Isopropyltoluene	0.69	U	20.0	18.6		ug/L		93	65 - 134
Methylene Chloride	4.0	U	20.0	19.3		ug/L		97	57 - 130
Naphthalene	2.5	U	20.0	20.7		ug/L		104	50 - 136
N-Propylbenzene	0.59	U	20.0	18.4		ug/L		92	67 - 130
Styrene	0.98	U	20.0	19.2		ug/L		96	68 - 131
1,1,2,2-Tetrachloroethane	0.15	U	20.0	21.2		ug/L		106	70 - 130
Tetrachloroethene	0.50	U	20.0	12.0		ug/L		60	50 - 143
Toluene	1.0	U	20.0	19.0		ug/L		95	70 - 131
1,2,3-Trichlorobenzene	0.77	U	20.0	20.0		ug/L		100	58 - 132

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

Lab Sample ID: 660-45468-2 MS
Matrix: Water
Analysis Batch: 119439

Client Sample ID: Mid Process 010312
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	0.58	U	20.0	20.0		ug/L		100	66 - 130
1,1,1-Trichloroethane	0.46	U	20.0	17.7		ug/L		89	63 - 132
1,1,2-Trichloroethane	0.47	U	20.0	20.5		ug/L		102	70 - 130
Trichloroethene	0.50	U	20.0	17.9		ug/L		89	63 - 139
Trichlorofluoromethane	2.5	U J3	20.0	28.6		ug/L		143	62 - 146
1,2,3-Trichloropropane	0.18	U	20.0	21.3		ug/L		106	66 - 130
1,2,4-Trimethylbenzene	0.86	U	20.0	19.0		ug/L		95	70 - 132
1,3,5-Trimethylbenzene	0.54	U	20.0	18.0		ug/L		90	65 - 134
Vinyl chloride	0.50	U	20.0	19.9		ug/L		100	48 - 147
o-Xylene	0.50	U	20.0	19.3		ug/L		97	69 - 130
2-Butanone (MEK)	8.4	U	40.0	50.9		ug/L		127	63 - 140
4-Methyl-2-pentanone (MIBK)	3.8	U	40.0	50.8		ug/L		127	64 - 137
Carbon disulfide	1.0	U	40.0	48.1		ug/L		120	30 - 150
2-Hexanone	4.4	U	40.0	49.9		ug/L		125	60 - 148
Methyl tert-butyl ether	0.44	U	40.0	45.4		ug/L		114	67 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*103*		*70 - 130*
4-Bromofluorobenzene	*101*		*70 - 130*
Dibromofluoromethane	*105*		*70 - 130*

Lab Sample ID: 660-45468-1 DU
Matrix: Water
Analysis Batch: 119439

Client Sample ID: Primary GAC Effluent 010312
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Acetone	9.9	U J3	9.9	U J3	ug/L		NC	30
Benzene	0.50	U	0.50	U	ug/L		NC	30
Bromobenzene	0.58	U	0.58	U	ug/L		NC	30
Chlorobromomethane	0.58	U	0.58	U	ug/L		NC	30
Dichlorobromomethane	0.35	U	0.35	U	ug/L		NC	30
Bromoform	0.58	U	0.58	U	ug/L		NC	30
Bromomethane	2.5	U	2.5	U	ug/L		NC	30
n-Butylbenzene	0.67	U	0.67	U	ug/L		NC	30
sec-Butylbenzene	0.63	U	0.63	U	ug/L		NC	30
tert-Butylbenzene	0.84	U	0.84	U	ug/L		NC	30
Carbon tetrachloride	0.42	U	0.42	U	ug/L		NC	30
Chlorobenzene	0.63	U	0.63	U	ug/L		NC	30
Chloroethane	2.5	U	2.5	U	ug/L		NC	30
Chloroform	0.90	U	0.90	U	ug/L		NC	30
Chloromethane	1.0	U	1.0	U	ug/L		NC	30
2-Chlorotoluene	0.65	U	0.65	U	ug/L		NC	30
4-Chlorotoluene	0.52	U	0.52	U	ug/L		NC	30
Chlorodibromomethane	0.34	U	0.34	U	ug/L		NC	30
1,2-Dibromo-3-Chloropropane	2.5	U	2.5	U	ug/L		NC	30
Ethylene Dibromide	0.50	U	0.50	U	ug/L		NC	30
Dibromomethane	0.41	U	0.41	U	ug/L		NC	30
1,2-Dichlorobenzene	0.44	U	0.44	U	ug/L		NC	30
1,3-Dichlorobenzene	0.64	U	0.64	U	ug/L		NC	30

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

Lab Sample ID: 660-45468-1 DU
Matrix: Water
Analysis Batch: 119439

Client Sample ID: Primary GAC Effluent 010312
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
1,4-Dichlorobenzene	0.52	U		0.52	U	ug/L				NC	30
Dichlorodifluoromethane	2.5	U		2.5	U	ug/L				NC	30
1,1-Dichloroethane	3.0			2.93		ug/L				2	30
1,2-Dichloroethane	0.57	U		0.57	U	ug/L				NC	30
1,1,1,2-Tetrachloroethane	0.63	U		0.63	U	ug/L				NC	30
1,1-Dichloroethene	0.45	U		0.45	U	ug/L				NC	30
cis-1,2-Dichloroethene	0.65	U		0.65	U	ug/L				NC	30
trans-1,2-Dichloroethene	0.44	U		0.44	U	ug/L				NC	30
1,2-Dichloropropane	0.52	U		0.52	U	ug/L				NC	30
1,3-Dichloropropane	0.39	U		0.39	U	ug/L				NC	30
2,2-Dichloropropane	0.36	U		0.36	U	ug/L				NC	30
1,1-Dichloropropene	0.31	U		0.31	U	ug/L				NC	30
cis-1,3-Dichloropropene	0.14	U		0.14	U	ug/L				NC	30
trans-1,3-Dichloropropene	0.14	U		0.14	U	ug/L				NC	30
Ethylbenzene	0.44	U		0.44	U	ug/L				NC	30
Hexachlorobutadiene	0.40	U		0.40	U	ug/L				NC	30
Isopropylbenzene	0.19	U		0.19	U	ug/L				NC	30
4-Isopropyltoluene	0.69	U		0.69	U	ug/L				NC	30
Methylene Chloride	4.0	U		4.0	U	ug/L				NC	30
Naphthalene	2.5	U		2.5	U	ug/L				NC	30
N-Propylbenzene	0.59	U		0.59	U	ug/L				NC	30
Styrene	0.98	U		0.98	U	ug/L				NC	30
1,1,2,2-Tetrachloroethane	0.15	U		0.15	U	ug/L				NC	30
Tetrachloroethene	0.50	U		0.50	U	ug/L				NC	30
Toluene	1.0	U		1.0	U	ug/L				NC	30
1,2,3-Trichlorobenzene	0.77	U		0.77	U	ug/L				NC	30
1,2,4-Trichlorobenzene	0.58	U		0.58	U	ug/L				NC	30
1,1,1-Trichloroethane	0.46	U		0.46	U	ug/L				NC	30
1,1,2-Trichloroethane	0.47	U		0.47	U	ug/L				NC	30
Trichloroethene	0.50	U		0.50	U	ug/L				NC	30
Trichlorofluoromethane	2.5	U J3		2.5	U J3	ug/L				NC	30
1,2,3-Trichloropropane	0.18	U		0.18	U	ug/L				NC	30
1,2,4-Trimethylbenzene	0.86	U		0.86	U	ug/L				NC	30
1,3,5-Trimethylbenzene	0.54	U		0.54	U	ug/L				NC	30
Vinyl chloride	0.50	U		0.50	U	ug/L				NC	30
o-Xylene	0.50	U		0.50	U	ug/L				NC	30
2-Butanone (MEK)	8.4	U		8.4	U	ug/L				NC	30
4-Methyl-2-pentanone (MIBK)	3.8	U		3.8	U	ug/L				NC	30
Carbon disulfide	1.0	U		1.0	U	ug/L				NC	30
2-Hexanone	4.4	U		4.4	U	ug/L				NC	30
Methyl tert-butyl ether	0.44	U		0.44	U	ug/L				NC	30
m-Xylene & p-Xylene	0.60	U		0.60	U	ug/L				NC	30

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
Toluene-d8 (Surr)	*103*		*70 - 130*
4-Bromofluorobenzene	*101*		*70 - 130*
Dibromofluoromethane	*103*		*70 - 130*

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45468-1
SDG: 660-45468

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Lab Sample ID: MB 660-119427/15 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 119427

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			01/03/12 20:10	1

Lab Sample ID: LCS 660-119427/13 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 119427

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,4-Dioxane			25.0	21.1		ug/L		84	50 - 150		

Lab Sample ID: 660-45468-2 MS — **Client Sample ID: Mid Process 010312**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 119427

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,4-Dioxane	1.0	U	25.0	24.4		ug/L		97	50 - 150		

Lab Sample ID: 660-45468-1 DU — **Client Sample ID: Primary GAC Effluent 010312**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 119427

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
1,4-Dioxane	1.0	U		1.0	U	ug/L				NC	50

QC Association Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45468-1
SDG: 660-45468

GC/MS VOA

Analysis Batch: 119427

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-45468-1	Primary GAC Effluent 010312	Total/NA	Water	8260C _SIM/ID	
660-45468-1 DU	Primary GAC Effluent 010312	Total/NA	Water	8260C _SIM/ID	
660-45468-2	Mid Process 010312	Total/NA	Water	8260C _SIM/ID	
660-45468-2 MS	Mid Process 010312	Total/NA	Water	8260C _SIM/ID	
LCS 660-119427/13	Lab Control Sample	Total/NA	Water	8260C _SIM/ID	
MB 660-119427/15	Method Blank	Total/NA	Water	8260C _SIM/ID	

Analysis Batch: 119439

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-45468-1	Primary GAC Effluent 010312	Total/NA	Water	8260B	
660-45468-1 DU	Primary GAC Effluent 010312	Total/NA	Water	8260B	
660-45468-2	Mid Process 010312	Total/NA	Water	8260B	
660-45468-2 MS	Mid Process 010312	Total/NA	Water	8260B	
LCS 660-119439/4	Lab Control Sample	Total/NA	Water	8260B	
MB 660-119439/6	Method Blank	Total/NA	Water	8260B	

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45468-1
SDG: 660-45468

Client Sample ID: Primary GAC Effluent 010312

Lab Sample ID: 660-45468-1

Date Collected: 01/03/12 10:00

Matrix: Water

Date Received: 01/03/12 13:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C _SIM/ID		1	119427	01/03/12 20:31	RM	TAL TAM
Total/NA	Analysis	8260B		1	119439	01/04/12 09:27	AP	TAL TAM

Client Sample ID: Mid Process 010312

Lab Sample ID: 660-45468-2

Date Collected: 01/03/12 10:05

Matrix: Water

Date Received: 01/03/12 13:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C _SIM/ID		1	119427	01/03/12 21:12	RM	TAL TAM
Total/NA	Analysis	8260B		1	119439	01/04/12 10:13	AP	TAL TAM

Laboratory References:

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Certification Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45468-1
SDG: 660-45468

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Tampa	Alabama	State Program	4	40610
TestAmerica Tampa	Florida	NELAC	4	E84282
TestAmerica Tampa	Georgia	State Program	4	905
TestAmerica Tampa	USDA	USDA		P330-11-00177

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45468-1
SDG: 660-45468

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL TAM
8260C _SIM/ID	1,4-Dioxane by SIM/Isotopic Dilution	SW846	TAL TAM

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45468-1
SDG: 660-45468

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
660-45468-1	Primary GAC Effluent 010312	Water	01/03/12 10:00	01/03/12 13:15
660-45468-2	Mid Process 010312	Water	01/03/12 10:05	01/03/12 13:15

Serial Number 020588

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Tampa
6712 Benjamin Road, Suite 100
Tampa, FL 33634
Website: www.testamericainc.com
Phone: (813) 885-7427
Fax: (813) 885-7049

Alternate Laboratory Name/Location
Phone: 660-4548
Fax:

1/4/2012

PROJECT REFERENCE: Tallevast Carbon OM	PROJECT NO.: —	PROJECT LOCATION (STATE): FL	PAGE 1 OF 1
SAMPLER'S SIGNATURE: [signature]	P.O. NUMBER: 35055.0038.00009	CONTRACT NO.: —	STANDARD REPORT DELIVERY: ○
CLIENT (SITE) PM: Don Sauda	CLIENT PHONE: 8137484874	CLIENT FAX: —	DATE DUE:
CLIENT NAME: Arcadis	CLIENT E-MAIL: donald.sauda@arcadis-us.com		EXPEDITED REPORT DELIVERY (SURCHARGE): ○ DATE DUE: 48 hrs
CLIENT ADDRESS: 1600 Tallevast Rd Sarasota, FL 34243			
COMPANY CONTRACTING THIS WORK (if applicable): LMC			NUMBER OF COOLERS SUBMITTED PER SHIPMENT: 1

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT....)	REQUIRED ANALYSIS: 8260 B+C Sim 1D	NUMBER OF CONTAINERS SUBMITTED	REMARKS
								HCL PRESERVATIVE		
1-3-12	1000	Primary GAC effluent	G	X					4	inf flow = 19.0
1-3-12	1005	Mid Process	G	X					4	sys flow = 19.0
										inf pH = 2.7
										eff pH = 6.0

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS			[signature]	1-3-12				
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS [signature]	12-30-11	0800	[signature]	1-3-12	1120			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	TAMPA LOG NO.	COOLER TEMP. UPON RECEIPT	LABORATORY REMARKS
[signature]	1/3/12	1315	YES ○ NO ○			1.2° C 04-07	

TAL8240-660 (0209)

R625-EDC-002289-0

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 660-45468-1
SDG Number: 660-45468

Login Number: 45468
List Number: 1
Creator: Snead, Joshua

List Source: TestAmerica Tampa

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.2c Cu07
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Tampa
6712 Benjamin Road
Suite 100
Tampa, FL 33634
Tel: (813)885-7427

TestAmerica Job ID: 660-45598-1
TestAmerica Sample Delivery Group: 660-45598
Client Project/Site: Tallevast Carbon OM

For:
ARCADIS U.S. Inc
6723 Towpath Road
PO BOX 66
Syracuse, New York 13214

Attn: Donald Sauda

Authorized for release by:
1/11/2012 3:21:33 PM

Tina Fritz
Project Manager II
tina.fritz@testamericainc.com

LINKS

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45598-1
SDG: 660-45598

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
U	Indicates that the compound was analyzed for but not detected.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 660-45598-1

Laboratory: TestAmerica Tampa

Narrative

Job Narrative
660-45598-1

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
Method 8260B: The laboratory control sample (LCS) for batch 119704 exceeded control limits for Bromomethane. This analyte was biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260B: The matrix spike/matrix spike duplicate (MS/MSD) recoveries for batch 119704 were outside control limits.

No other analytical or quality issues were noted.

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45598-1
SDG: 660-45598

Client Sample ID: Primary GAC Effluent 011012 — Lab Sample ID: 660-45598-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	12	I	20	9.9	ug/L	1		8260B	Total/NA

Client Sample ID: Mid Process 011012 — Lab Sample ID: 660-45598-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	21		20	9.9	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	13		1.0	0.52	ug/L	1		8260B	Total/NA

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45598-1
SDG: 660-45598

Client Sample ID: Primary GAC Effluent 011012

Lab Sample ID: 660-45598-1

Date Collected: 01/10/12 09:30
Date Received: 01/10/12 12:10

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	12	I	20	9.9	ug/L			01/10/12 15:45	1
Benzene	0.50	U	1.0	0.50	ug/L			01/10/12 15:45	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			01/10/12 15:45	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			01/10/12 15:45	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			01/10/12 15:45	1
Bromoform	0.58	U	1.0	0.58	ug/L			01/10/12 15:45	1
Bromomethane	2.5	U J3	5.0	2.5	ug/L			01/10/12 15:45	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			01/10/12 15:45	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			01/10/12 15:45	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			01/10/12 15:45	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			01/10/12 15:45	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			01/10/12 15:45	1
Chloroethane	2.5	U	5.0	2.5	ug/L			01/10/12 15:45	1
Chloroform	0.90	U	1.0	0.90	ug/L			01/10/12 15:45	1
Chloromethane	1.0	U	4.0	1.0	ug/L			01/10/12 15:45	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			01/10/12 15:45	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			01/10/12 15:45	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			01/10/12 15:45	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			01/10/12 15:45	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			01/10/12 15:45	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			01/10/12 15:45	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			01/10/12 15:45	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			01/10/12 15:45	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			01/10/12 15:45	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			01/10/12 15:45	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			01/10/12 15:45	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			01/10/12 15:45	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			01/10/12 15:45	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			01/10/12 15:45	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			01/10/12 15:45	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			01/10/12 15:45	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			01/10/12 15:45	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			01/10/12 15:45	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			01/10/12 15:45	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			01/10/12 15:45	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/10/12 15:45	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/10/12 15:45	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			01/10/12 15:45	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			01/10/12 15:45	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			01/10/12 15:45	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			01/10/12 15:45	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			01/10/12 15:45	1
Naphthalene	2.5	U	5.0	2.5	ug/L			01/10/12 15:45	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			01/10/12 15:45	1
Styrene	0.98	U	2.0	0.98	ug/L			01/10/12 15:45	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			01/10/12 15:45	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			01/10/12 15:45	1
Toluene	1.0	U	1.0	1.0	ug/L			01/10/12 15:45	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			01/10/12 15:45	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			01/10/12 15:45	1

Client Sample ID: Primary GAC Effluent 011012

Lab Sample ID: 660-45598-1

Date Collected: 01/10/12 09:30
Matrix: Water
Date Received: 01/10/12 12:10

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			01/10/12 15:45	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			01/10/12 15:45	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			01/10/12 15:45	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			01/10/12 15:45	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			01/10/12 15:45	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			01/10/12 15:45	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			01/10/12 15:45	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			01/10/12 15:45	1
o-Xylene	0.50	U	1.0	0.50	ug/L			01/10/12 15:45	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			01/10/12 15:45	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			01/10/12 15:45	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			01/10/12 15:45	1
2-Hexanone	4.4	U	10	4.4	ug/L			01/10/12 15:45	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			01/10/12 15:45	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			01/10/12 15:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*105*		*70 - 130*		*01/10/12 15:45*	*1*
4-Bromofluorobenzene	*102*		*70 - 130*		*01/10/12 15:45*	*1*
Dibromofluoromethane	*105*		*70 - 130*		*01/10/12 15:45*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			01/10/12 15:06	1

Client Sample ID: Mid Process 011012

Lab Sample ID: 660-45598-2

Date Collected: 01/10/12 09:35
Matrix: Water
Date Received: 01/10/12 12:10

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**21**		20	9.9	ug/L			01/10/12 16:08	1
Benzene	0.50	U	1.0	0.50	ug/L			01/10/12 16:08	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			01/10/12 16:08	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			01/10/12 16:08	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			01/10/12 16:08	1
Bromoform	0.58	U	1.0	0.58	ug/L			01/10/12 16:08	1
Bromomethane	2.5	U J3	5.0	2.5	ug/L			01/10/12 16:08	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			01/10/12 16:08	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			01/10/12 16:08	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			01/10/12 16:08	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			01/10/12 16:08	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			01/10/12 16:08	1
Chloroethane	2.5	U	5.0	2.5	ug/L			01/10/12 16:08	1
Chloroform	0.90	U	1.0	0.90	ug/L			01/10/12 16:08	1
Chloromethane	1.0	U	4.0	1.0	ug/L			01/10/12 16:08	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			01/10/12 16:08	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			01/10/12 16:08	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			01/10/12 16:08	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			01/10/12 16:08	1

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45598-1
SDG: 660-45598

Client Sample ID: Mid Process 011012
Date Collected: 01/10/12 09:35
Date Received: 01/10/12 12:10

Lab Sample ID: 660-45598-2
Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			01/10/12 16:08	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			01/10/12 16:08	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			01/10/12 16:08	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			01/10/12 16:08	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			01/10/12 16:08	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			01/10/12 16:08	1
1,1-Dichloroethane	**13**		1.0	0.52	ug/L			01/10/12 16:08	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			01/10/12 16:08	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			01/10/12 16:08	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			01/10/12 16:08	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			01/10/12 16:08	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			01/10/12 16:08	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			01/10/12 16:08	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			01/10/12 16:08	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			01/10/12 16:08	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			01/10/12 16:08	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/10/12 16:08	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/10/12 16:08	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			01/10/12 16:08	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			01/10/12 16:08	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			01/10/12 16:08	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			01/10/12 16:08	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			01/10/12 16:08	1
Naphthalene	2.5	U	5.0	2.5	ug/L			01/10/12 16:08	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			01/10/12 16:08	1
Styrene	0.98	U	2.0	0.98	ug/L			01/10/12 16:08	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			01/10/12 16:08	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			01/10/12 16:08	1
Toluene	1.0	U	1.0	1.0	ug/L			01/10/12 16:08	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			01/10/12 16:08	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			01/10/12 16:08	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			01/10/12 16:08	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			01/10/12 16:08	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			01/10/12 16:08	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			01/10/12 16:08	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			01/10/12 16:08	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			01/10/12 16:08	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			01/10/12 16:08	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			01/10/12 16:08	1
o-Xylene	0.50	U	1.0	0.50	ug/L			01/10/12 16:08	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			01/10/12 16:08	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			01/10/12 16:08	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			01/10/12 16:08	1
2-Hexanone	4.4	U	10	4.4	ug/L			01/10/12 16:08	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			01/10/12 16:08	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			01/10/12 16:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*104*		*70 - 130*		*01/10/12 16:08*	*1*
4-Bromofluorobenzene	*103*		*70 - 130*		*01/10/12 16:08*	*1*

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45598-1
SDG: 660-45598

Client Sample ID: Mid Process 011012

Date Collected: 01/10/12 09:35
Date Received: 01/10/12 12:10

Lab Sample ID: 660-45598-2

Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*104*		*70 - 130*		*01/10/12 16:08*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			01/10/12 14:48	1

Surrogate Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45598-1
SDG: 660-45598

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)
660-45576-S-1 MSD	Matrix Spike Duplicate	104	103	106
660-45576-T-1 MS	Matrix Spike	105	102	106
660-45598-1	Primary GAC Effluent 011012	105	102	105
660-45598-2	Mid Process 011012	104	103	104
LCS 660-119704/4	Lab Control Sample	104	102	106
MB 660-119704/7	Method Blank	103	102	101

Surrogate Legend

TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane

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

Lab Sample ID: MB 660-119704/7
Matrix: Water
Analysis Batch: 119704

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			01/10/12 12:45	1
Benzene	0.50	U	1.0	0.50	ug/L			01/10/12 12:45	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			01/10/12 12:45	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			01/10/12 12:45	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			01/10/12 12:45	1
Bromoform	0.58	U	1.0	0.58	ug/L			01/10/12 12:45	1
Bromomethane	2.5	U	5.0	2.5	ug/L			01/10/12 12:45	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			01/10/12 12:45	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			01/10/12 12:45	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			01/10/12 12:45	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			01/10/12 12:45	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			01/10/12 12:45	1
Chloroethane	2.5	U	5.0	2.5	ug/L			01/10/12 12:45	1
Chloroform	0.90	U	1.0	0.90	ug/L			01/10/12 12:45	1
Chloromethane	1.0	U	4.0	1.0	ug/L			01/10/12 12:45	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			01/10/12 12:45	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			01/10/12 12:45	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			01/10/12 12:45	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			01/10/12 12:45	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			01/10/12 12:45	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			01/10/12 12:45	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			01/10/12 12:45	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			01/10/12 12:45	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			01/10/12 12:45	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			01/10/12 12:45	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			01/10/12 12:45	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			01/10/12 12:45	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			01/10/12 12:45	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			01/10/12 12:45	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			01/10/12 12:45	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			01/10/12 12:45	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			01/10/12 12:45	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			01/10/12 12:45	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			01/10/12 12:45	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			01/10/12 12:45	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/10/12 12:45	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/10/12 12:45	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			01/10/12 12:45	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			01/10/12 12:45	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			01/10/12 12:45	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			01/10/12 12:45	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			01/10/12 12:45	1
Naphthalene	2.5	U	5.0	2.5	ug/L			01/10/12 12:45	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			01/10/12 12:45	1
Styrene	0.98	U	2.0	0.98	ug/L			01/10/12 12:45	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			01/10/12 12:45	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			01/10/12 12:45	1
Toluene	1.0	U	1.0	1.0	ug/L			01/10/12 12:45	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			01/10/12 12:45	1

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

Lab Sample ID: MB 660-119704/7
Matrix: Water
Analysis Batch: 119704

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			01/10/12 12:45	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			01/10/12 12:45	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			01/10/12 12:45	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			01/10/12 12:45	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			01/10/12 12:45	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			01/10/12 12:45	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			01/10/12 12:45	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			01/10/12 12:45	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			01/10/12 12:45	1
o-Xylene	0.50	U	1.0	0.50	ug/L			01/10/12 12:45	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			01/10/12 12:45	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			01/10/12 12:45	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			01/10/12 12:45	1
2-Hexanone	4.4	U	10	4.4	ug/L			01/10/12 12:45	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			01/10/12 12:45	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			01/10/12 12:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*103*		*70 - 130*		*01/10/12 12:45*	*1*
4-Bromofluorobenzene	*102*		*70 - 130*		*01/10/12 12:45*	*1*
Dibromofluoromethane	*101*		*70 - 130*		*01/10/12 12:45*	*1*

Lab Sample ID: LCS 660-119704/4
Matrix: Water
Analysis Batch: 119704

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	40.0	55.6		ug/L		139	62 - 142
Benzene	20.0	18.5		ug/L		92	68 - 134
Bromobenzene	20.0	18.4		ug/L		92	70 - 130
Chlorobromomethane	20.0	19.6		ug/L		98	70 - 130
Dichlorobromomethane	20.0	20.2		ug/L		101	70 - 130
Bromoform	20.0	17.7		ug/L		88	65 - 130
Bromomethane	20.0	34.4	J3	ug/L		172	22 - 150
n-Butylbenzene	20.0	17.7		ug/L		89	61 - 131
sec-Butylbenzene	20.0	16.7		ug/L		84	68 - 133
tert-Butylbenzene	20.0	17.7		ug/L		88	64 - 130
Carbon tetrachloride	20.0	18.3		ug/L		91	61 - 134
Chlorobenzene	20.0	17.8		ug/L		89	70 - 130
Chloroethane	20.0	24.9		ug/L		124	39 - 150
Chloroform	20.0	18.6		ug/L		93	68 - 130
Chloromethane	20.0	16.6		ug/L		83	35 - 150
2-Chlorotoluene	20.0	17.8		ug/L		89	70 - 130
4-Chlorotoluene	20.0	18.3		ug/L		91	70 - 130
Chlorodibromomethane	20.0	19.3		ug/L		97	70 - 130
1,2-Dibromo-3-Chloropropane	20.0	18.2		ug/L		91	63 - 130
Ethylene Dibromide	20.0	19.4		ug/L		97	66 - 130
Dibromomethane	20.0	20.3		ug/L		102	70 - 130
1,2-Dichlorobenzene	20.0	17.9		ug/L		90	70 - 130

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

Lab Sample ID: LCS 660-119704/4
Matrix: Water
Analysis Batch: 119704

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3-Dichlorobenzene	20.0	18.3		ug/L		92	70 - 130
1,4-Dichlorobenzene	20.0	17.7		ug/L		88	70 - 130
Dichlorodifluoromethane	20.0	12.0		ug/L		60	16 - 149
1,1-Dichloroethane	20.0	18.6		ug/L		93	66 - 130
1,2-Dichloroethane	20.0	22.9		ug/L		115	70 - 130
1,1,1,2-Tetrachloroethane	20.0	17.8		ug/L		89	70 - 130
1,1-Dichloroethene	20.0	18.7		ug/L		93	51 - 150
cis-1,2-Dichloroethene	20.0	20.1		ug/L		100	66 - 130
trans-1,2-Dichloroethene	20.0	18.1		ug/L		91	62 - 139
1,2-Dichloropropane	20.0	19.4		ug/L		97	70 - 130
1,3-Dichloropropane	20.0	20.6		ug/L		103	70 - 130
2,2-Dichloropropane	20.0	19.3		ug/L		97	66 - 134
1,1-Dichloropropene	20.0	18.1		ug/L		90	65 - 136
cis-1,3-Dichloropropene	20.0	19.6		ug/L		98	70 - 130
trans-1,3-Dichloropropene	20.0	20.0		ug/L		100	67 - 130
Ethylbenzene	20.0	17.3		ug/L		86	70 - 130
Hexachlorobutadiene	20.0	17.4		ug/L		87	62 - 143
Isopropylbenzene	20.0	17.2		ug/L		86	62 - 130
4-Isopropyltoluene	20.0	17.8		ug/L		89	65 - 134
Methylene Chloride	20.0	18.3		ug/L		92	57 - 130
Naphthalene	20.0	17.7		ug/L		89	50 - 136
N-Propylbenzene	20.0	17.7		ug/L		88	67 - 130
Styrene	20.0	18.3		ug/L		92	68 - 131
1,1,2,2-Tetrachloroethane	20.0	18.8		ug/L		94	70 - 130
Tetrachloroethene	20.0	12.5		ug/L		63	50 - 143
Toluene	20.0	18.3		ug/L		92	70 - 131
1,2,3-Trichlorobenzene	20.0	18.3		ug/L		92	58 - 132
1,2,4-Trichlorobenzene	20.0	18.7		ug/L		93	66 - 130
1,1,1-Trichloroethane	20.0	18.2		ug/L		91	63 - 132
1,1,2-Trichloroethane	20.0	19.4		ug/L		97	70 - 130
Trichloroethene	20.0	17.4		ug/L		87	63 - 139
Trichlorofluoromethane	20.0	28.7		ug/L		143	62 - 146
1,2,3-Trichloropropane	20.0	18.5		ug/L		93	66 - 130
1,2,4-Trimethylbenzene	20.0	18.1		ug/L		91	70 - 132
1,3,5-Trimethylbenzene	20.0	17.4		ug/L		87	65 - 134
Vinyl chloride	20.0	20.0		ug/L		100	48 - 147
o-Xylene	20.0	18.2		ug/L		91	69 - 130
2-Butanone (MEK)	40.0	46.3		ug/L		116	63 - 140
4-Methyl-2-pentanone (MIBK)	40.0	44.3		ug/L		111	64 - 137
Carbon disulfide	40.0	49.8		ug/L		125	30 - 150
2-Hexanone	40.0	45.8		ug/L		114	60 - 148
Methyl tert-butyl ether	40.0	43.4		ug/L		108	67 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*104*		*70 - 130*
4-Bromofluorobenzene	*102*		*70 - 130*
Dibromofluoromethane	*106*		*70 - 130*

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

Lab Sample ID: 660-45576-S-1 MSD
Matrix: Water
Analysis Batch: 119704

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	30		40.0	73.8		ug/L		110	62 - 142	1	30
Benzene	0.50	U	20.0	20.0		ug/L		100	68 - 134	1	30
Bromobenzene	0.58	U	20.0	19.7		ug/L		98	70 - 130	3	30
Chlorobromomethane	0.58	U	20.0	20.5		ug/L		103	70 - 130	0	30
Dichlorobromomethane	0.35	U	20.0	20.9		ug/L		105	70 - 130	1	30
Bromoform	0.58	U	20.0	17.4		ug/L		87	65 - 130	3	30
Bromomethane	2.5	U J3	20.0	44.6	J3	ug/L		223	22 - 150	38	30
n-Butylbenzene	0.67	U	20.0	19.6		ug/L		98	61 - 131	4	30
sec-Butylbenzene	0.63	U	20.0	18.4		ug/L		92	68 - 133	3	30
tert-Butylbenzene	0.84	U	20.0	19.8		ug/L		99	64 - 130	3	30
Carbon tetrachloride	0.42	U	20.0	20.0		ug/L		100	61 - 134	4	30
Chlorobenzene	0.63	U	20.0	19.2		ug/L		96	70 - 130	1	30
Chloroethane	2.5	U	20.0	26.3		ug/L		132	39 - 150	2	30
Chloroform	0.90	U	20.0	19.7		ug/L		98	68 - 130	1	30
Chloromethane	1.0	U	20.0	17.7		ug/L		89	35 - 150	2	30
2-Chlorotoluene	0.65	U	20.0	19.2		ug/L		96	70 - 130	0	30
4-Chlorotoluene	0.52	U	20.0	19.7		ug/L		99	70 - 130	2	30
Chlorodibromomethane	0.34	U	20.0	18.8		ug/L		94	70 - 130	4	30
1,2-Dibromo-3-Chloropropane	2.5	U	20.0	18.9		ug/L		94	63 - 130	1	30
Ethylene Dibromide	0.50	U	20.0	19.0		ug/L		95	66 - 130	4	30
Dibromomethane	0.41	U	20.0	20.7		ug/L		103	70 - 130	1	30
1,2-Dichlorobenzene	0.44	U	20.0	18.6		ug/L		93	70 - 130	1	30
1,3-Dichlorobenzene	0.64	U	20.0	19.6		ug/L		98	70 - 130	1	30
1,4-Dichlorobenzene	0.52	U	20.0	18.8		ug/L		94	70 - 130	2	30
Dichlorodifluoromethane	2.5	U	20.0	13.1		ug/L		65	16 - 149	4	30
1,1-Dichloroethane	0.52	U	20.0	20.8		ug/L		104	66 - 130	2	30
1,2-Dichloroethane	0.57	U	20.0	23.4		ug/L		117	70 - 130	1	30
1,1,1,2-Tetrachloroethane	0.63	U	20.0	18.6		ug/L		93	70 - 130	1	30
1,1-Dichloroethene	0.45	U	20.0	21.4		ug/L		107	51 - 150	12	30
cis-1,2-Dichloroethene	0.65	U	20.0	21.5		ug/L		107	66 - 130	0	30
trans-1,2-Dichloroethene	0.44	U	20.0	19.4		ug/L		97	62 - 139	0	30
1,2-Dichloropropane	0.52	U	20.0	20.4		ug/L		102	70 - 130	1	30
1,3-Dichloropropane	0.39	U	20.0	20.8		ug/L		104	70 - 130	1	30
2,2-Dichloropropane	0.36	U	20.0	20.6		ug/L		103	66 - 134	3	30
1,1-Dichloropropene	0.31	U	20.0	20.4		ug/L		102	65 - 136	5	30
cis-1,3-Dichloropropene	0.14	U	20.0	19.7		ug/L		98	70 - 130	3	30
trans-1,3-Dichloropropene	0.14	U	20.0	19.6		ug/L		98	67 - 130	3	30
Ethylbenzene	0.44	U	20.0	18.7		ug/L		94	70 - 130	0	30
Hexachlorobutadiene	0.40	U	20.0	19.4		ug/L		97	62 - 143	1	30
Isopropylbenzene	0.19	U	20.0	18.9		ug/L		95	62 - 130	2	30
4-Isopropyltoluene	0.69	U	20.0	19.8		ug/L		99	65 - 134	3	30
Methylene Chloride	4.0	U	20.0	19.0		ug/L		95	57 - 130	2	30
Naphthalene	2.5	U	20.0	19.6		ug/L		98	50 - 136	1	30
N-Propylbenzene	0.59	U	20.0	19.4		ug/L		97	67 - 130	3	30
Styrene	0.98	U	20.0	19.5		ug/L		97	68 - 131	0	30
1,1,2,2-Tetrachloroethane	0.15	U	20.0	18.9		ug/L		95	70 - 130	2	30
Tetrachloroethene	0.50	U	20.0	13.3		ug/L		67	50 - 143	1	30
Toluene	1.0	U	20.0	19.7		ug/L		99	70 - 131	2	30
1,2,3-Trichlorobenzene	0.77	U	20.0	19.1		ug/L		95	58 - 132	3	30

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

Lab Sample ID: 660-45576-S-1 MSD
Matrix: Water
Analysis Batch: 119704

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	0.58	U	20.0	19.6		ug/L		98	66 - 130	2	30
1,1,1-Trichloroethane	0.46	U	20.0	20.2		ug/L		101	63 - 132	4	30
1,1,2-Trichloroethane	0.47	U	20.0	19.3		ug/L		97	70 - 130	1	30
Trichloroethene	0.50	U	20.0	18.6		ug/L		93	63 - 139	2	30
Trichlorofluoromethane	2.5	U	20.0	31.7	J3	ug/L		159	62 - 146	10	30
1,2,3-Trichloropropane	0.18	U	20.0	19.4		ug/L		97	66 - 130	1	30
1,2,4-Trimethylbenzene	0.86	U	20.0	19.6		ug/L		98	70 - 132	0	30
1,3,5-Trimethylbenzene	0.54	U	20.0	19.4		ug/L		97	65 - 134	4	30
Vinyl chloride	0.50	U	20.0	21.9		ug/L		110	48 - 147	1	30
o-Xylene	0.50	U	20.0	19.4		ug/L		97	69 - 130	0	30
2-Butanone (MEK)	8.4	U	40.0	48.6		ug/L		122	63 - 140	8	30
4-Methyl-2-pentanone (MIBK)	3.8	U	40.0	47.5		ug/L		119	64 - 137	3	30
Carbon disulfide	1.0	U	40.0	59.2		ug/L		148	30 - 150	9	30
2-Hexanone	4.4	U	40.0	44.8		ug/L		112	60 - 148	5	30
Methyl tert-butyl ether	0.44	U	40.0	44.5		ug/L		111	67 - 130	2	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*104*		*70 - 130*
4-Bromofluorobenzene	*103*		*70 - 130*
Dibromofluoromethane	*106*		*70 - 130*

Lab Sample ID: 660-45576-T-1 MS
Matrix: Water
Analysis Batch: 119704

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	30		40.0	73.3		ug/L		109	62 - 142
Benzene	0.50	U	20.0	19.8		ug/L		99	68 - 134
Bromobenzene	0.58	U	20.0	19.2		ug/L		96	70 - 130
Chlorobromomethane	0.58	U	20.0	20.6		ug/L		103	70 - 130
Dichlorobromomethane	0.35	U	20.0	20.7		ug/L		104	70 - 130
Bromoform	0.58	U	20.0	18.0		ug/L		90	65 - 130
Bromomethane	2.5	U J3	20.0	30.5	J3	ug/L		152	22 - 150
n-Butylbenzene	0.67	U	20.0	18.8		ug/L		94	61 - 131
sec-Butylbenzene	0.63	U	20.0	18.0		ug/L		90	68 - 133
tert-Butylbenzene	0.84	U	20.0	19.2		ug/L		96	64 - 130
Carbon tetrachloride	0.42	U	20.0	19.3		ug/L		96	61 - 134
Chlorobenzene	0.63	U	20.0	19.4		ug/L		97	70 - 130
Chloroethane	2.5	U	20.0	25.7		ug/L		128	39 - 150
Chloroform	0.90	U	20.0	19.8		ug/L		99	68 - 130
Chloromethane	1.0	U	20.0	18.1		ug/L		90	35 - 150
2-Chlorotoluene	0.65	U	20.0	19.2		ug/L		96	70 - 130
4-Chlorotoluene	0.52	U	20.0	19.3		ug/L		96	70 - 130
Chlorodibromomethane	0.34	U	20.0	19.6		ug/L		98	70 - 130
1,2-Dibromo-3-Chloropropane	2.5	U	20.0	18.6		ug/L		93	63 - 130
Ethylene Dibromide	0.50	U	20.0	19.7		ug/L		99	66 - 130
Dibromomethane	0.41	U	20.0	20.9		ug/L		105	70 - 130
1,2-Dichlorobenzene	0.44	U	20.0	18.7		ug/L		94	70 - 130
1,3-Dichlorobenzene	0.64	U	20.0	19.4		ug/L		97	70 - 130

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

Lab Sample ID: 660-45576-T-1 MS
Matrix: Water
Analysis Batch: 119704

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	0.52	U	20.0	18.6		ug/L		93	70 - 130
Dichlorodifluoromethane	2.5	U	20.0	13.6		ug/L		68	16 - 149
1,1-Dichloroethane	0.52	U	20.0	20.3		ug/L		102	66 - 130
1,2-Dichloroethane	0.57	U	20.0	23.7		ug/L		119	70 - 130
1,1,1,2-Tetrachloroethane	0.63	U	20.0	18.4		ug/L		92	70 - 130
1,1-Dichloroethene	0.45	U	20.0	18.9		ug/L		94	51 - 150
cis-1,2-Dichloroethene	0.65	U	20.0	21.4		ug/L		107	66 - 130
trans-1,2-Dichloroethene	0.44	U	20.0	19.4		ug/L		97	62 - 139
1,2-Dichloropropane	0.52	U	20.0	20.6		ug/L		103	70 - 130
1,3-Dichloropropane	0.39	U	20.0	21.0		ug/L		105	70 - 130
2,2-Dichloropropane	0.36	U	20.0	20.1		ug/L		100	66 - 134
1,1-Dichloropropene	0.31	U	20.0	19.5		ug/L		97	65 - 136
cis-1,3-Dichloropropene	0.14	U	20.0	20.2		ug/L		101	70 - 130
trans-1,3-Dichloropropene	0.14	U	20.0	20.2		ug/L		101	67 - 130
Ethylbenzene	0.44	U	20.0	18.7		ug/L		94	70 - 130
Hexachlorobutadiene	0.40	U	20.0	19.2		ug/L		96	62 - 143
Isopropylbenzene	0.19	U	20.0	18.5		ug/L		93	62 - 130
4-Isopropyltoluene	0.69	U	20.0	19.2		ug/L		96	65 - 134
Methylene Chloride	4.0	U	20.0	18.7		ug/L		93	57 - 130
Naphthalene	2.5	U	20.0	19.8		ug/L		99	50 - 136
N-Propylbenzene	0.59	U	20.0	18.8		ug/L		94	67 - 130
Styrene	0.98	U	20.0	19.5		ug/L		97	68 - 131
1,1,2,2-Tetrachloroethane	0.15	U	20.0	19.3		ug/L		97	70 - 130
Tetrachloroethene	0.50	U	20.0	13.2		ug/L		66	50 - 143
Toluene	1.0	U	20.0	19.4		ug/L		97	70 - 131
1,2,3-Trichlorobenzene	0.77	U	20.0	18.6		ug/L		93	58 - 132
1,2,4-Trichlorobenzene	0.58	U	20.0	19.2		ug/L		96	66 - 130
1,1,1-Trichloroethane	0.46	U	20.0	19.5		ug/L		97	63 - 132
1,1,2-Trichloroethane	0.47	U	20.0	19.4		ug/L		97	70 - 130
Trichloroethene	0.50	U	20.0	18.2		ug/L		91	63 - 139
Trichlorofluoromethane	2.5	U	20.0	28.6		ug/L		143	62 - 146
1,2,3-Trichloropropane	0.18	U	20.0	19.5		ug/L		98	66 - 130
1,2,4-Trimethylbenzene	0.86	U	20.0	19.6		ug/L		98	70 - 132
1,3,5-Trimethylbenzene	0.54	U	20.0	18.7		ug/L		93	65 - 134
Vinyl chloride	0.50	U	20.0	21.7		ug/L		108	48 - 147
o-Xylene	0.50	U	20.0	19.3		ug/L		97	69 - 130
2-Butanone (MEK)	8.4	U	40.0	52.5		ug/L		131	63 - 140
4-Methyl-2-pentanone (MIBK)	3.8	U	40.0	48.9		ug/L		122	64 - 137
Carbon disulfide	1.0	U	40.0	53.9		ug/L		135	30 - 150
2-Hexanone	4.4	U	40.0	47.1		ug/L		118	60 - 148
Methyl tert-butyl ether	0.44	U	40.0	45.4		ug/L		113	67 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*105*		*70 - 130*
4-Bromofluorobenzene	*102*		*70 - 130*
Dibromofluoromethane	*106*		*70 - 130*

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45598-1
SDG: 660-45598

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Lab Sample ID: MB 660-119708/6 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 119708

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			01/10/12 14:06	1

Lab Sample ID: LCS 660-119708/4 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 119708

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,4-Dioxane			25.0	22.2		ug/L		89	50 - 150		

Lab Sample ID: 660-45598-1 MS — **Client Sample ID: Primary GAC Effluent 011012**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 119708

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,4-Dioxane	1.0	U	25.0	17.3		ug/L		69	50 - 150		

Lab Sample ID: 660-45598-1 MSD — **Client Sample ID: Primary GAC Effluent 011012**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 119708

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dioxane	1.0	U	25.0	18.9		ug/L		75	50 - 150	8	50

QC Association Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45598-1
SDG: 660-45598

GC/MS VOA

Analysis Batch: 119704

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-45576-S-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	
660-45576-T-1 MS	Matrix Spike	Total/NA	Water	8260B	
660-45598-1	Primary GAC Effluent 011012	Total/NA	Water	8260B	
660-45598-2	Mid Process 011012	Total/NA	Water	8260B	
LCS 660-119704/4	Lab Control Sample	Total/NA	Water	8260B	
MB 660-119704/7	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 119708

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-45598-1	Primary GAC Effluent 011012	Total/NA	Water	8260C _SIM/ID	
660-45598-1 MS	Primary GAC Effluent 011012	Total/NA	Water	8260C _SIM/ID	
660-45598-1 MSD	Primary GAC Effluent 011012	Total/NA	Water	8260C _SIM/ID	
660-45598-2	Mid Process 011012	Total/NA	Water	8260C _SIM/ID	
LCS 660-119708/4	Lab Control Sample	Total/NA	Water	8260C _SIM/ID	
MB 660-119708/6	Method Blank	Total/NA	Water	8260C _SIM/ID	

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45598-1
SDG: 660-45598

Client Sample ID: Primary GAC Effluent 011012

Lab Sample ID: 660-45598-1

Date Collected: 01/10/12 09:30

Matrix: Water

Date Received: 01/10/12 12:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	119704	01/10/12 15:45	AP	TAL TAM
Total/NA	Analysis	8260C _SIM/ID		1	119708	01/10/12 15:06	AP	TAL TAM

Client Sample ID: Mid Process 011012

Lab Sample ID: 660-45598-2

Date Collected: 01/10/12 09:35

Matrix: Water

Date Received: 01/10/12 12:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	119704	01/10/12 16:08	AP	TAL TAM
Total/NA	Analysis	8260C _SIM/ID		1	119708	01/10/12 14:48	AP	TAL TAM

Laboratory References:

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Certification Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45598-1
SDG: 660-45598

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Tampa	Alabama	State Program	4	40610
TestAmerica Tampa	Florida	NELAC	4	E84282
TestAmerica Tampa	Georgia	State Program	4	905
TestAmerica Tampa	USDA	USDA		P330-11-00177

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45598-1
SDG: 660-45598

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL TAM
8260C _SIM/ID	1,4-Dioxane by SIM/Isotopic Dilution	SW846	TAL TAM

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45598-1
SDG: 660-45598

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
660-45598-1	Primary GAC Effluent 011012	Water	01/10/12 09:30	01/10/12 12:10
660-45598-2	Mid Process 011012	Water	01/10/12 09:35	01/10/12 12:10

Serial Number 020589

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Tampa
6712 Benjamin Road, Suite 100
Tampa, FL 33634
Website: www.testamericainc.com
Phone: (813) 885-7427
Fax: (813) 885-7049

Alternate Laboratory Name/Location
Phone: 660-45598
Fax:

1/11/2012

PROJECT REFERENCE	PROJECT NO.	PROJECT LOCATION (STATE)	PAGE 1 OF 1
Tallevast Carbon OM	—	FL	
SAMPLER'S SIGNATURE: Mike Lunne	P.O. NUMBER: 38055.0038.00000	CONTRACT NO.: —	STANDARD REPORT DELIVERY ○
CLIENT (SITE) PM: Don Sauda	CLIENT PHONE: 813 7484874	CLIENT FAX: —	DATE DUE:
CLIENT NAME: Arcadis	CLIENT E-MAIL: donald.sauda@Arcadis-us.com		EXPEDITED REPORT DELIVERY (SURCHARGE) ○
CLIENT ADDRESS: 1600 Tallevast Rd, Sarasota, FL, 34243			DATE DUE: 48 hrs
COMPANY CONTRACTING THIS WORK (if applicable): LMC			NUMBER OF COOLERS SUBMITTED PER SHIPMENT: 1

REQUIRED ANALYSIS: 8260 B+C Sim 1,4 D

PRESERVATIVE: HCL

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT...)	NUMBER OF CONTAINERS SUBMITTED	REMARKS
1-10-12	0930	Primary GAC effluent	G	X				4	int flow = 18.8
1-10-12	0935	Mid Process	G	X				4	sys flow = 20.0
									int pH = 2.7
									eff pH = 5.7

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS			Mike Lunne	1-10-12	0955			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
Mike Lunne	1-9-12	0800	[signature]	1-10-12	0955	[signature]	1-10-12	1210

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT YES ○ NO ○	CUSTODY SEAL NO.	TAMPA LOG NO.	COOLER TEMP. UPON RECEIPT	LABORATORY REMARKS
						3.8c CU-07	

TAL8240-660 (0209)

R625-EDC-002289-0

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 660-45598-1
SDG Number: 660-45598

Login Number: 45598
List Number: 1
Creator: Redding, Charles S

List Source: TestAmerica Tampa

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	3.8c CU-07
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Tampa
6712 Benjamin Road
Suite 100
Tampa, FL 33634
Tel: (813)885-7427

TestAmerica Job ID: 660-45723-1
TestAmerica Sample Delivery Group: 660-45723
Client Project/Site: Tallevast Carbon OM

For:
ARCADIS U.S. Inc
6723 Towpath Road
PO BOX 66
Syracuse, New York 13214

Attn: Donald Sauda

Authorized for release by:
1/19/2012 1:20:57 PM

Tina Fritz
Project Manager II
tina.fritz@testamericainc.com

LINKS

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates that the compound was analyzed for but not detected.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 660-45723-1

Laboratory: TestAmerica Tampa

Narrative

Job Narrative
660-45723-1

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
No analytical or quality issues were noted.

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45723-1
SDG: 660-45723

Client Sample ID: Primary GAC Effluent 011712 — Lab Sample ID: 660-45723-1

No Detections

Client Sample ID: Mid Process 011712 — Lab Sample ID: 660-45723-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	17	I	20	9.9	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	18		1.0	0.52	ug/L	1		8260B	Total/NA

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45723-1
SDG: 660-45723

Client Sample ID: Primary GAC Effluent 011712

Lab Sample ID: 660-45723-1

Date Collected: 01/17/12 08:20
Date Received: 01/17/12 14:00

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			01/18/12 19:17	1
Benzene	0.50	U	1.0	0.50	ug/L			01/18/12 19:17	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			01/18/12 19:17	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			01/18/12 19:17	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			01/18/12 19:17	1
Bromoform	0.58	U	1.0	0.58	ug/L			01/18/12 19:17	1
Bromomethane	2.5	U	5.0	2.5	ug/L			01/18/12 19:17	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			01/18/12 19:17	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			01/18/12 19:17	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			01/18/12 19:17	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			01/18/12 19:17	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			01/18/12 19:17	1
Chloroethane	2.5	U	5.0	2.5	ug/L			01/18/12 19:17	1
Chloroform	0.90	U	1.0	0.90	ug/L			01/18/12 19:17	1
Chloromethane	1.0	U	4.0	1.0	ug/L			01/18/12 19:17	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			01/18/12 19:17	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			01/18/12 19:17	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			01/18/12 19:17	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			01/18/12 19:17	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			01/18/12 19:17	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			01/18/12 19:17	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			01/18/12 19:17	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			01/18/12 19:17	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			01/18/12 19:17	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			01/18/12 19:17	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			01/18/12 19:17	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			01/18/12 19:17	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			01/18/12 19:17	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			01/18/12 19:17	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			01/18/12 19:17	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			01/18/12 19:17	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			01/18/12 19:17	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			01/18/12 19:17	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			01/18/12 19:17	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			01/18/12 19:17	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/18/12 19:17	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/18/12 19:17	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			01/18/12 19:17	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			01/18/12 19:17	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			01/18/12 19:17	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			01/18/12 19:17	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			01/18/12 19:17	1
Naphthalene	2.5	U	5.0	2.5	ug/L			01/18/12 19:17	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			01/18/12 19:17	1
Styrene	0.98	U	2.0	0.98	ug/L			01/18/12 19:17	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			01/18/12 19:17	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			01/18/12 19:17	1
Toluene	1.0	U	1.0	1.0	ug/L			01/18/12 19:17	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			01/18/12 19:17	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			01/18/12 19:17	1

Client Sample ID: Primary GAC Effluent 011712

Lab Sample ID: 660-45723-1

Date Collected: 01/17/12 08:20
Matrix: Water
Date Received: 01/17/12 14:00

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			01/18/12 19:17	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			01/18/12 19:17	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			01/18/12 19:17	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			01/18/12 19:17	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			01/18/12 19:17	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			01/18/12 19:17	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			01/18/12 19:17	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			01/18/12 19:17	1
o-Xylene	0.50	U	1.0	0.50	ug/L			01/18/12 19:17	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			01/18/12 19:17	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			01/18/12 19:17	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			01/18/12 19:17	1
2-Hexanone	4.4	U	10	4.4	ug/L			01/18/12 19:17	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			01/18/12 19:17	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			01/18/12 19:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*70 - 130*		*01/18/12 19:17*	*1*
4-Bromofluorobenzene	*93*		*70 - 130*		*01/18/12 19:17*	*1*
Dibromofluoromethane	*109*		*70 - 130*		*01/18/12 19:17*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			01/18/12 09:28	1

Client Sample ID: Mid Process 011712

Lab Sample ID: 660-45723-2

Date Collected: 01/17/12 08:25
Matrix: Water
Date Received: 01/17/12 14:00

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**17**	**I**	20	9.9	ug/L			01/18/12 19:38	1
Benzene	0.50	U	1.0	0.50	ug/L			01/18/12 19:38	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			01/18/12 19:38	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			01/18/12 19:38	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			01/18/12 19:38	1
Bromoform	0.58	U	1.0	0.58	ug/L			01/18/12 19:38	1
Bromomethane	2.5	U	5.0	2.5	ug/L			01/18/12 19:38	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			01/18/12 19:38	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			01/18/12 19:38	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			01/18/12 19:38	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			01/18/12 19:38	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			01/18/12 19:38	1
Chloroethane	2.5	U	5.0	2.5	ug/L			01/18/12 19:38	1
Chloroform	0.90	U	1.0	0.90	ug/L			01/18/12 19:38	1
Chloromethane	1.0	U	4.0	1.0	ug/L			01/18/12 19:38	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			01/18/12 19:38	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			01/18/12 19:38	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			01/18/12 19:38	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			01/18/12 19:38	1

Client Sample ID: Mid Process 011712

Date Collected: 01/17/12 08:25
Date Received: 01/17/12 14:00

Lab Sample ID: 660-45723-2

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			01/18/12 19:38	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			01/18/12 19:38	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			01/18/12 19:38	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			01/18/12 19:38	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			01/18/12 19:38	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			01/18/12 19:38	1
1,1-Dichloroethane	**18**		1.0	0.52	ug/L			01/18/12 19:38	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			01/18/12 19:38	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			01/18/12 19:38	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			01/18/12 19:38	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			01/18/12 19:38	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			01/18/12 19:38	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			01/18/12 19:38	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			01/18/12 19:38	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			01/18/12 19:38	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			01/18/12 19:38	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/18/12 19:38	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/18/12 19:38	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			01/18/12 19:38	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			01/18/12 19:38	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			01/18/12 19:38	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			01/18/12 19:38	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			01/18/12 19:38	1
Naphthalene	2.5	U	5.0	2.5	ug/L			01/18/12 19:38	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			01/18/12 19:38	1
Styrene	0.98	U	2.0	0.98	ug/L			01/18/12 19:38	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			01/18/12 19:38	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			01/18/12 19:38	1
Toluene	1.0	U	1.0	1.0	ug/L			01/18/12 19:38	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			01/18/12 19:38	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			01/18/12 19:38	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			01/18/12 19:38	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			01/18/12 19:38	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			01/18/12 19:38	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			01/18/12 19:38	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			01/18/12 19:38	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			01/18/12 19:38	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			01/18/12 19:38	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			01/18/12 19:38	1
o-Xylene	0.50	U	1.0	0.50	ug/L			01/18/12 19:38	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			01/18/12 19:38	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			01/18/12 19:38	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			01/18/12 19:38	1
2-Hexanone	4.4	U	10	4.4	ug/L			01/18/12 19:38	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			01/18/12 19:38	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			01/18/12 19:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*70 - 130*		*01/18/12 19:38*	*1*
4-Bromofluorobenzene	*93*		*70 - 130*		*01/18/12 19:38*	*1*

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45723-1
SDG: 660-45723

Client Sample ID: Mid Process 011712

Date Collected: 01/17/12 08:25
Date Received: 01/17/12 14:00

Lab Sample ID: 660-45723-2

Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*107*		*70 - 130*		*01/18/12 19:38*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			01/18/12 09:50	1

Surrogate Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45723-1
SDG: 660-45723

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)
660-45723-1	Primary GAC Effluent 011712	102	93	109
660-45723-2	Mid Process 011712	101	93	107
660-45731-C-2 MS	Matrix Spike	98	96	110
660-45731-F-1 DU	Duplicate	102	93	110
LCS 660-120022/3	Lab Control Sample	99	97	109
MB 660-120022/5	Method Blank	102	92	110

Surrogate Legend

TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane

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

Lab Sample ID: MB 660-120022/5
Matrix: Water
Analysis Batch: 120022

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			01/18/12 16:38	1
Benzene	0.50	U	1.0	0.50	ug/L			01/18/12 16:38	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			01/18/12 16:38	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			01/18/12 16:38	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			01/18/12 16:38	1
Bromoform	0.58	U	1.0	0.58	ug/L			01/18/12 16:38	1
Bromomethane	2.5	U	5.0	2.5	ug/L			01/18/12 16:38	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			01/18/12 16:38	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			01/18/12 16:38	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			01/18/12 16:38	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			01/18/12 16:38	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			01/18/12 16:38	1
Chloroethane	2.5	U	5.0	2.5	ug/L			01/18/12 16:38	1
Chloroform	0.90	U	1.0	0.90	ug/L			01/18/12 16:38	1
Chloromethane	1.0	U	4.0	1.0	ug/L			01/18/12 16:38	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			01/18/12 16:38	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			01/18/12 16:38	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			01/18/12 16:38	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			01/18/12 16:38	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			01/18/12 16:38	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			01/18/12 16:38	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			01/18/12 16:38	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			01/18/12 16:38	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			01/18/12 16:38	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			01/18/12 16:38	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			01/18/12 16:38	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			01/18/12 16:38	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			01/18/12 16:38	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			01/18/12 16:38	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			01/18/12 16:38	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			01/18/12 16:38	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			01/18/12 16:38	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			01/18/12 16:38	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			01/18/12 16:38	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			01/18/12 16:38	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/18/12 16:38	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/18/12 16:38	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			01/18/12 16:38	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			01/18/12 16:38	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			01/18/12 16:38	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			01/18/12 16:38	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			01/18/12 16:38	1
Naphthalene	2.5	U	5.0	2.5	ug/L			01/18/12 16:38	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			01/18/12 16:38	1
Styrene	0.98	U	2.0	0.98	ug/L			01/18/12 16:38	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			01/18/12 16:38	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			01/18/12 16:38	1
Toluene	1.0	U	1.0	1.0	ug/L			01/18/12 16:38	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			01/18/12 16:38	1

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

Lab Sample ID: MB 660-120022/5
Matrix: Water
Analysis Batch: 120022

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			01/18/12 16:38	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			01/18/12 16:38	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			01/18/12 16:38	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			01/18/12 16:38	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			01/18/12 16:38	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			01/18/12 16:38	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			01/18/12 16:38	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			01/18/12 16:38	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			01/18/12 16:38	1
o-Xylene	0.50	U	1.0	0.50	ug/L			01/18/12 16:38	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			01/18/12 16:38	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			01/18/12 16:38	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			01/18/12 16:38	1
2-Hexanone	4.4	U	10	4.4	ug/L			01/18/12 16:38	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			01/18/12 16:38	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			01/18/12 16:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*70 - 130*		*01/18/12 16:38*	*1*
4-Bromofluorobenzene	*92*		*70 - 130*		*01/18/12 16:38*	*1*
Dibromofluoromethane	*110*		*70 - 130*		*01/18/12 16:38*	*1*

Lab Sample ID: LCS 660-120022/3
Matrix: Water
Analysis Batch: 120022

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	40.0	54.5		ug/L		136	62 - 142
Benzene	20.0	20.2		ug/L		101	68 - 134
Bromobenzene	20.0	17.9		ug/L		90	70 - 130
Chlorobromomethane	20.0	17.8		ug/L		89	70 - 130
Dichlorobromomethane	20.0	16.2		ug/L		81	70 - 130
Bromoform	20.0	16.9		ug/L		85	65 - 130
Bromomethane	20.0	8.12		ug/L		41	22 - 150
n-Butylbenzene	20.0	18.1		ug/L		90	61 - 131
sec-Butylbenzene	20.0	18.8		ug/L		94	68 - 133
tert-Butylbenzene	20.0	17.2		ug/L		86	64 - 130
Carbon tetrachloride	20.0	16.9		ug/L		85	61 - 134
Chlorobenzene	20.0	17.8		ug/L		89	70 - 130
Chloroethane	20.0	18.0		ug/L		90	39 - 150
Chloroform	20.0	17.5		ug/L		87	68 - 130
Chloromethane	20.0	13.3		ug/L		66	35 - 150
2-Chlorotoluene	20.0	17.5		ug/L		87	70 - 130
4-Chlorotoluene	20.0	17.4		ug/L		87	70 - 130
Chlorodibromomethane	20.0	16.4		ug/L		82	70 - 130
1,2-Dibromo-3-Chloropropane	20.0	16.5		ug/L		83	63 - 130
Ethylene Dibromide	20.0	17.4		ug/L		87	66 - 130
Dibromomethane	20.0	17.1		ug/L		86	70 - 130
1,2-Dichlorobenzene	20.0	18.3		ug/L		91	70 - 130

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

Lab Sample ID: LCS 660-120022/3
Matrix: Water
Analysis Batch: 120022

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3-Dichlorobenzene	20.0	18.0		ug/L		90	70 - 130
1,4-Dichlorobenzene	20.0	18.3		ug/L		92	70 - 130
Dichlorodifluoromethane	20.0	18.2		ug/L		91	16 - 149
1,1-Dichloroethane	20.0	18.5		ug/L		92	66 - 130
1,2-Dichloroethane	20.0	17.0		ug/L		85	70 - 130
1,1,1,2-Tetrachloroethane	20.0	16.8		ug/L		84	70 - 130
1,1-Dichloroethene	20.0	18.7		ug/L		94	51 - 150
cis-1,2-Dichloroethene	20.0	18.8		ug/L		94	66 - 130
trans-1,2-Dichloroethene	20.0	20.2		ug/L		101	62 - 139
1,2-Dichloropropane	20.0	17.3		ug/L		87	70 - 130
1,3-Dichloropropane	20.0	17.9		ug/L		90	70 - 130
2,2-Dichloropropane	20.0	17.3		ug/L		86	66 - 134
1,1-Dichloropropene	20.0	18.6		ug/L		93	65 - 136
cis-1,3-Dichloropropene	20.0	16.7		ug/L		84	70 - 130
trans-1,3-Dichloropropene	20.0	16.4		ug/L		82	67 - 130
Ethylbenzene	20.0	18.2		ug/L		91	70 - 130
Hexachlorobutadiene	20.0	17.8		ug/L		89	62 - 143
Isopropylbenzene	20.0	17.8		ug/L		89	62 - 130
4-Isopropyltoluene	20.0	19.1		ug/L		96	65 - 134
Methylene Chloride	20.0	19.1		ug/L		96	57 - 130
Naphthalene	20.0	18.4		ug/L		92	50 - 136
N-Propylbenzene	20.0	17.9		ug/L		89	67 - 130
Styrene	20.0	18.0		ug/L		90	68 - 131
1,1,2,2-Tetrachloroethane	20.0	18.5		ug/L		93	70 - 130
Tetrachloroethene	20.0	15.4		ug/L		77	50 - 143
Toluene	20.0	16.8		ug/L		84	70 - 131
1,2,3-Trichlorobenzene	20.0	19.6		ug/L		98	58 - 132
1,2,4-Trichlorobenzene	20.0	18.7		ug/L		94	66 - 130
1,1,1-Trichloroethane	20.0	16.7		ug/L		83	63 - 132
1,1,2-Trichloroethane	20.0	17.8		ug/L		89	70 - 130
Trichloroethene	20.0	19.9		ug/L		99	63 - 139
Trichlorofluoromethane	20.0	18.9		ug/L		94	62 - 146
1,2,3-Trichloropropane	20.0	16.9		ug/L		84	66 - 130
1,2,4-Trimethylbenzene	20.0	17.7		ug/L		89	70 - 132
1,3,5-Trimethylbenzene	20.0	18.1		ug/L		90	65 - 134
Vinyl chloride	20.0	19.0		ug/L		95	48 - 147
o-Xylene	20.0	18.1		ug/L		91	69 - 130
2-Butanone (MEK)	40.0	45.2		ug/L		113	63 - 140
4-Methyl-2-pentanone (MIBK)	40.0	33.6		ug/L		84	64 - 137
Carbon disulfide	40.0	48.8		ug/L		122	30 - 150
2-Hexanone	40.0	35.3		ug/L		88	60 - 148
Methyl tert-butyl ether	40.0	39.4		ug/L		98	67 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*99*		*70 - 130*
4-Bromofluorobenzene	*97*		*70 - 130*
Dibromofluoromethane	*109*		*70 - 130*

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

Lab Sample ID: 660-45731-C-2 MS
Matrix: Water
Analysis Batch: 120022

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	9.9	U	40.0	36.3		ug/L		91	62 - 142
Benzene	0.50	U	20.0	22.0		ug/L		110	68 - 134
Bromobenzene	0.58	U	20.0	19.8		ug/L		99	70 - 130
Chlorobromomethane	0.58	U	20.0	18.8		ug/L		94	70 - 130
Dichlorobromomethane	0.35	U	20.0	17.7		ug/L		88	70 - 130
Bromoform	0.58	U	20.0	18.7		ug/L		94	65 - 130
Bromomethane	2.5	U	20.0	8.22		ug/L		41	22 - 150
n-Butylbenzene	0.67	U	20.0	18.9		ug/L		94	61 - 131
sec-Butylbenzene	0.63	U	20.0	20.6		ug/L		103	68 - 133
tert-Butylbenzene	0.84	U	20.0	19.0		ug/L		95	64 - 130
Carbon tetrachloride	0.42	U	20.0	17.9		ug/L		90	61 - 134
Chlorobenzene	0.63	U	20.0	19.2		ug/L		96	70 - 130
Chloroethane	2.5	U	20.0	21.0		ug/L		105	39 - 150
Chloroform	0.90	U	20.0	19.2		ug/L		96	68 - 130
Chloromethane	1.0	U	20.0	13.9		ug/L		69	35 - 150
2-Chlorotoluene	0.65	U	20.0	19.2		ug/L		96	70 - 130
4-Chlorotoluene	0.52	U	20.0	19.2		ug/L		96	70 - 130
Chlorodibromomethane	0.34	U	20.0	18.1		ug/L		91	70 - 130
1,2-Dibromo-3-Chloropropane	2.5	U	20.0	17.0		ug/L		85	63 - 130
Ethylene Dibromide	0.50	U	20.0	18.6		ug/L		93	66 - 130
Dibromomethane	0.41	U	20.0	18.5		ug/L		92	70 - 130
1,2-Dichlorobenzene	0.44	U	20.0	20.6		ug/L		103	70 - 130
1,3-Dichlorobenzene	0.64	U	20.0	19.6		ug/L		98	70 - 130
1,4-Dichlorobenzene	0.52	U	20.0	19.9		ug/L		100	70 - 130
Dichlorodifluoromethane	2.5	U	20.0	19.5		ug/L		97	16 - 149
1,1-Dichloroethane	0.52	U	20.0	20.1		ug/L		101	66 - 130
1,2-Dichloroethane	0.57	U	20.0	18.5		ug/L		93	70 - 130
1,1,1,2-Tetrachloroethane	0.63	U	20.0	18.2		ug/L		91	70 - 130
1,1-Dichloroethene	0.45	U	20.0	18.6		ug/L		93	51 - 150
cis-1,2-Dichloroethene	0.65	U	20.0	20.3		ug/L		101	66 - 130
trans-1,2-Dichloroethene	0.44	U	20.0	22.0		ug/L		110	62 - 139
1,2-Dichloropropane	0.52	U	20.0	19.2		ug/L		96	70 - 130
1,3-Dichloropropane	0.39	U	20.0	19.5		ug/L		98	70 - 130
2,2-Dichloropropane	0.36	U	20.0	18.2		ug/L		91	66 - 134
1,1-Dichloropropene	0.31	U	20.0	20.3		ug/L		102	65 - 136
cis-1,3-Dichloropropene	0.14	U	20.0	18.7		ug/L		93	70 - 130
trans-1,3-Dichloropropene	0.14	U	20.0	18.0		ug/L		90	67 - 130
Ethylbenzene	0.44	U	20.0	19.3		ug/L		96	70 - 130
Hexachlorobutadiene	0.40	U	20.0	18.2		ug/L		91	62 - 143
Isopropylbenzene	0.19	U	20.0	20.1		ug/L		100	62 - 130
4-Isopropyltoluene	0.69	U	20.0	20.8		ug/L		104	65 - 134
Methylene Chloride	4.0	U	20.0	20.8		ug/L		104	57 - 130
Naphthalene	2.5	U	20.0	19.1		ug/L		95	50 - 136
N-Propylbenzene	0.59	U	20.0	19.4		ug/L		97	67 - 130
Styrene	0.98	U	20.0	19.5		ug/L		98	68 - 131
1,1,2,2-Tetrachloroethane	0.15	U	20.0	20.4		ug/L		102	70 - 130
Tetrachloroethene	0.50	U	20.0	15.7		ug/L		79	50 - 143
Toluene	1.0	U	20.0	18.8		ug/L		94	70 - 131
1,2,3-Trichlorobenzene	0.77	U	20.0	20.9		ug/L		104	58 - 132

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

Lab Sample ID: 660-45731-C-2 MS
Matrix: Water
Analysis Batch: 120022

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	0.58	U	20.0	19.5		ug/L		97	66 - 130
1,1,1-Trichloroethane	0.46	U	20.0	18.2		ug/L		91	63 - 132
1,1,2-Trichloroethane	0.47	U	20.0	19.2		ug/L		96	70 - 130
Trichloroethene	0.50	U	20.0	21.8		ug/L		109	63 - 139
Trichlorofluoromethane	2.5	U	20.0	20.3		ug/L		101	62 - 146
1,2,3-Trichloropropane	0.18	U	20.0	18.4		ug/L		92	66 - 130
1,2,4-Trimethylbenzene	0.86	U	20.0	19.2		ug/L		96	70 - 132
1,3,5-Trimethylbenzene	0.54	U	20.0	19.9		ug/L		99	65 - 134
Vinyl chloride	0.50	U	20.0	20.5		ug/L		103	48 - 147
o-Xylene	0.50	U	20.0	19.6		ug/L		98	69 - 130
2-Butanone (MEK)	8.4	U	40.0	39.0		ug/L		98	63 - 140
4-Methyl-2-pentanone (MIBK)	3.8	U	40.0	36.1		ug/L		90	64 - 137
Carbon disulfide	1.0	U	40.0	50.0		ug/L		125	30 - 150
2-Hexanone	4.4	U	40.0	34.4		ug/L		86	60 - 148
Methyl tert-butyl ether	0.44	U	40.0	42.1		ug/L		105	67 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*98*		*70 - 130*
4-Bromofluorobenzene	*96*		*70 - 130*
Dibromofluoromethane	*110*		*70 - 130*

Lab Sample ID: 660-45731-F-1 DU
Matrix: Water
Analysis Batch: 120022

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Acetone	9.9	U	9.9	U	ug/L		NC	30
Benzene	0.50	U	0.50	U	ug/L		NC	30
Bromobenzene	0.58	U	0.58	U	ug/L		NC	30
Chlorobromomethane	0.58	U	0.58	U	ug/L		NC	30
Dichlorobromomethane	0.35	U	0.35	U	ug/L		NC	30
Bromoform	0.58	U	0.58	U	ug/L		NC	30
Bromomethane	2.5	U	2.5	U	ug/L		NC	30
n-Butylbenzene	0.67	U	0.67	U	ug/L		NC	30
sec-Butylbenzene	0.63	U	0.63	U	ug/L		NC	30
tert-Butylbenzene	0.84	U	0.84	U	ug/L		NC	30
Carbon tetrachloride	0.42	U	0.42	U	ug/L		NC	30
Chlorobenzene	0.63	U	0.63	U	ug/L		NC	30
Chloroethane	2.5	U	2.5	U	ug/L		NC	30
Chloroform	0.90	U	0.90	U	ug/L		NC	30
Chloromethane	1.0	U	1.0	U	ug/L		NC	30
2-Chlorotoluene	0.65	U	0.65	U	ug/L		NC	30
4-Chlorotoluene	0.52	U	0.52	U	ug/L		NC	30
Chlorodibromomethane	0.34	U	0.34	U	ug/L		NC	30
1,2-Dibromo-3-Chloropropane	2.5	U	2.5	U	ug/L		NC	30
Ethylene Dibromide	0.50	U	0.50	U	ug/L		NC	30
Dibromomethane	0.41	U	0.41	U	ug/L		NC	30
1,2-Dichlorobenzene	0.44	U	0.44	U	ug/L		NC	30
1,3-Dichlorobenzene	0.64	U	0.64	U	ug/L		NC	30

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

Lab Sample ID: 660-45731-F-1 DU
Matrix: Water
Analysis Batch: 120022

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
1,4-Dichlorobenzene	0.52	U		0.52	U	ug/L				NC	30
Dichlorodifluoromethane	2.5	U		2.5	U	ug/L				NC	30
1,1-Dichloroethane	0.52	U		0.52	U	ug/L				NC	30
1,2-Dichloroethane	0.57	U		0.57	U	ug/L				NC	30
1,1,1,2-Tetrachloroethane	0.63	U		0.63	U	ug/L				NC	30
1,1-Dichloroethene	0.45	U		0.45	U	ug/L				NC	30
cis-1,2-Dichloroethene	0.65	U		0.65	U	ug/L				NC	30
trans-1,2-Dichloroethene	0.44	U		0.44	U	ug/L				NC	30
1,2-Dichloropropane	0.52	U		0.52	U	ug/L				NC	30
1,3-Dichloropropane	0.39	U		0.39	U	ug/L				NC	30
2,2-Dichloropropane	0.36	U		0.36	U	ug/L				NC	30
1,1-Dichloropropene	0.31	U		0.31	U	ug/L				NC	30
cis-1,3-Dichloropropene	0.14	U		0.14	U	ug/L				NC	30
trans-1,3-Dichloropropene	0.14	U		0.14	U	ug/L				NC	30
Ethylbenzene	0.44	U		0.44	U	ug/L				NC	30
Hexachlorobutadiene	0.40	U		0.40	U	ug/L				NC	30
Isopropylbenzene	0.19	U		0.19	U	ug/L				NC	30
4-Isopropyltoluene	0.69	U		0.69	U	ug/L				NC	30
Methylene Chloride	4.0	U		4.0	U	ug/L				NC	30
Naphthalene	2.5	U		2.5	U	ug/L				NC	30
N-Propylbenzene	0.59	U		0.59	U	ug/L				NC	30
Styrene	0.98	U		0.98	U	ug/L				NC	30
1,1,2,2-Tetrachloroethane	0.15	U		0.15	U	ug/L				NC	30
Tetrachloroethene	0.50	U		0.50	U	ug/L				NC	30
Toluene	1.0	U		1.0	U	ug/L				NC	30
1,2,3-Trichlorobenzene	0.77	U		0.77	U	ug/L				NC	30
1,2,4-Trichlorobenzene	0.58	U		0.58	U	ug/L				NC	30
1,1,1-Trichloroethane	0.46	U		0.46	U	ug/L				NC	30
1,1,2-Trichloroethane	0.47	U		0.47	U	ug/L				NC	30
Trichloroethene	0.50	U		0.50	U	ug/L				NC	30
Trichlorofluoromethane	2.5	U		2.5	U	ug/L				NC	30
1,2,3-Trichloropropane	0.18	U		0.18	U	ug/L				NC	30
1,2,4-Trimethylbenzene	0.86	U		0.86	U	ug/L				NC	30
1,3,5-Trimethylbenzene	0.54	U		0.54	U	ug/L				NC	30
Vinyl chloride	0.50	U		0.50	U	ug/L				NC	30
o-Xylene	0.50	U		0.50	U	ug/L				NC	30
2-Butanone (MEK)	8.4	U		8.4	U	ug/L				NC	30
4-Methyl-2-pentanone (MIBK)	3.8	U		3.8	U	ug/L				NC	30
Carbon disulfide	1.0	U		1.0	U	ug/L				NC	30
2-Hexanone	4.4	U		4.4	U	ug/L				NC	30
Methyl tert-butyl ether	0.44	U		0.44	U	ug/L				NC	30
m-Xylene & p-Xylene	0.60	U		0.60	U	ug/L				NC	30

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
Toluene-d8 (Surr)	*102*		*70 - 130*
4-Bromofluorobenzene	*93*		*70 - 130*
Dibromofluoromethane	*110*		*70 - 130*

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45723-1
SDG: 660-45723

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Lab Sample ID: MB 660-119984/6 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 119984

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			01/18/12 08:51	1

Lab Sample ID: LCS 660-119984/4 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 119984

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,4-Dioxane			25.0	22.5		ug/L		90	50 - 150		

Lab Sample ID: 660-45723-2 MS — **Client Sample ID: Mid Process 011712**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 119984

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,4-Dioxane	1.0	U	25.0	18.6		ug/L		74	50 - 150		

Lab Sample ID: 660-45723-2 MSD — **Client Sample ID: Mid Process 011712**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 119984

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dioxane	1.0	U	25.0	22.0		ug/L		88	50 - 150	17	50

QC Association Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45723-1
SDG: 660-45723

GC/MS VOA

Analysis Batch: 119984

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-45723-1	Primary GAC Effluent 011712	Total/NA	Water	8260C _SIM/ID	
660-45723-2	Mid Process 011712	Total/NA	Water	8260C _SIM/ID	
660-45723-2 MS	Mid Process 011712	Total/NA	Water	8260C _SIM/ID	
660-45723-2 MSD	Mid Process 011712	Total/NA	Water	8260C _SIM/ID	
LCS 660-119984/4	Lab Control Sample	Total/NA	Water	8260C _SIM/ID	
MB 660-119984/6	Method Blank	Total/NA	Water	8260C _SIM/ID	

Analysis Batch: 120022

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-45723-1	Primary GAC Effluent 011712	Total/NA	Water	8260B	
660-45723-2	Mid Process 011712	Total/NA	Water	8260B	
660-45731-C-2 MS	Matrix Spike	Total/NA	Water	8260B	
660-45731-F-1 DU	Duplicate	Total/NA	Water	8260B	
LCS 660-120022/3	Lab Control Sample	Total/NA	Water	8260B	
MB 660-120022/5	Method Blank	Total/NA	Water	8260B	

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45723-1
SDG: 660-45723

Client Sample ID: Primary GAC Effluent 011712

Lab Sample ID: 660-45723-1

Date Collected: 01/17/12 08:20

Matrix: Water

Date Received: 01/17/12 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C _SIM/ID		1	119984	01/18/12 09:28	AP	TAL TAM
Total/NA	Analysis	8260B		1	120022	01/18/12 19:17	EC	TAL TAM

Client Sample ID: Mid Process 011712

Lab Sample ID: 660-45723-2

Date Collected: 01/17/12 08:25

Matrix: Water

Date Received: 01/17/12 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C _SIM/ID		1	119984	01/18/12 09:50	AP	TAL TAM
Total/NA	Analysis	8260B		1	120022	01/18/12 19:38	EC	TAL TAM

Laboratory References:

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Certification Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45723-1
SDG: 660-45723

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Tampa	Alabama	State Program	4	40610
TestAmerica Tampa	Florida	NELAC	4	E84282
TestAmerica Tampa	Georgia	State Program	4	905
TestAmerica Tampa	USDA	USDA		P330-11-00177

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45723-1
SDG: 660-45723

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL TAM
8260C _SIM/ID	1,4-Dioxane by SIM/Isotopic Dilution	SW846	TAL TAM

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45723-1
SDG: 660-45723

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
660-45723-1	Primary GAC Effluent 011712	Water	01/17/12 08:20	01/17/12 14:00
660-45723-2	Mid Process 011712	Water	01/17/12 08:25	01/17/12 14:00

Serial Number 020590

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Tampa
6712 Benjamin Road, Suite 100
Tampa, FL 33634
Website: www.testamericainc.com
Phone: (813) 885-7427
Fax: (813) 885-7049

Alternate Laboratory Name/Location
Phone: 660-45723
Fax:

1/19/2012

PROJECT REFERENCE: Tallevast Carbon OM	PROJECT NO.	PROJECT LOCATION (STATE) FL	PAGE 1 OF 1
SAMPLER'S SIGNATURE: Dan Johnson	P.O. NUMBER: 35055.0088.00009	CONTRACT NO.	STANDARD REPORT DELIVERY ○
CLIENT (SITE) PM: Don Sauda	CLIENT PHONE: 8137484874	CLIENT FAX	DATE DUE
CLIENT NAME: Arcadis	CLIENT E-MAIL: donald.sauda@arcadis-us.com		EXPEDITED REPORT DELIVERY (SURCHARGE) ☒
CLIENT ADDRESS: 1600 Tallevast Rd Sarasota, FL 34243			DATE DUE 48hrs
COMPANY CONTRACTING THIS WORK (if applicable): LMC			NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

REQUIRED ANALYSIS: 8260 B/C SIM 1D

PRESERVATIVE: HCL

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT...)	NUMBER OF CONTAINERS SUBMITTED	REMARKS
1-17-12	0820	Primary GAC effluent	G	X				4	inf flow = 19.4gpm
1-17-12	0825	Mid Process	G	X				4	sys flow = 20gpm
									inf pH = 2.8
									eff pH = 6.14

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS			Dan Johnson	1-17-12	1255			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
EMPTY CONTAINERS Dan Johnson	1-16-12	0800	[illegible]	1-17-12	1255			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	TAMPA LOG NO.	COOLER TEMP. UPON RECEIPT	LABORATORY REMARKS
[illegible]	1-17-12	1400	YES ○ NO ○			2.0°C CG-07	

TAL8240-660 (0209)

R625-EDC-002289-0

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 660-45723-1
SDG Number: 660-45723

Login Number: 45723
List Number: 1
Creator: Snead, Joshua

List Source: TestAmerica Tampa

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.0c CU07
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

TestAmerica

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ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Tampa
6712 Benjamin Road
Suite 100
Tampa, FL 33634
Tel: (813)885-7427

TestAmerica Job ID: 660-45846-1
TestAmerica Sample Delivery Group: 660-45846
Client Project/Site: Tallevast Carbon OM

For:
ARCADIS U.S. Inc
6723 Towpath Road
PO BOX 66
Syracuse, New York 13214

Attn: Donald Sauda

Authorized for release by:
1/26/2012 3:14:06 PM

Tina Fritz
Project Manager II
tina.fritz@testamericainc.com

LINKS

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates that the compound was analyzed for but not detected.
J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45846-1
SDG: 660-45846

Job ID: 660-45846-1

Laboratory: TestAmerica Tampa

Narrative

Job Narrative
660-45846-1

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
Method 8260B: A full list spike was utilized for this method. The LCS associated with batch 120302 had 1 analyte outside control limits. The laboratory's SOP allows for 5 analytes to recover outside criteria for this method when a full list spike is utilized. These results have been reported and qualified.

No other analytical or quality issues were noted.

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45846-1
SDG: 660-45846

Client Sample ID: Primary GAC Effluent — Lab Sample ID: 660-45846-1

No Detections

Client Sample ID: Mid Process — Lab Sample ID: 660-45846-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	15	I J3	20	9.9	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	14		1.0	0.52	ug/L	1		8260B	Total/NA

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45846-1
SDG: 660-45846

Client Sample ID: Primary GAC Effluent

Date Collected: 01/24/12 09:00
Date Received: 01/24/12 14:40

Lab Sample ID: 660-45846-1

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U J3	20	9.9	ug/L			01/25/12 09:11	1
Benzene	0.50	U	1.0	0.50	ug/L			01/25/12 09:11	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			01/25/12 09:11	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			01/25/12 09:11	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			01/25/12 09:11	1
Bromoform	0.58	U	1.0	0.58	ug/L			01/25/12 09:11	1
Bromomethane	2.5	U	5.0	2.5	ug/L			01/25/12 09:11	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			01/25/12 09:11	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			01/25/12 09:11	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			01/25/12 09:11	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			01/25/12 09:11	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			01/25/12 09:11	1
Chloroethane	2.5	U	5.0	2.5	ug/L			01/25/12 09:11	1
Chloroform	0.90	U	1.0	0.90	ug/L			01/25/12 09:11	1
Chloromethane	1.0	U	4.0	1.0	ug/L			01/25/12 09:11	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			01/25/12 09:11	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			01/25/12 09:11	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			01/25/12 09:11	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			01/25/12 09:11	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			01/25/12 09:11	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			01/25/12 09:11	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			01/25/12 09:11	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			01/25/12 09:11	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			01/25/12 09:11	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			01/25/12 09:11	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			01/25/12 09:11	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			01/25/12 09:11	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			01/25/12 09:11	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			01/25/12 09:11	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			01/25/12 09:11	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			01/25/12 09:11	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			01/25/12 09:11	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			01/25/12 09:11	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			01/25/12 09:11	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			01/25/12 09:11	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/25/12 09:11	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/25/12 09:11	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			01/25/12 09:11	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			01/25/12 09:11	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			01/25/12 09:11	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			01/25/12 09:11	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			01/25/12 09:11	1
Naphthalene	2.5	U	5.0	2.5	ug/L			01/25/12 09:11	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			01/25/12 09:11	1
Styrene	0.98	U	2.0	0.98	ug/L			01/25/12 09:11	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			01/25/12 09:11	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			01/25/12 09:11	1
Toluene	1.0	U	1.0	1.0	ug/L			01/25/12 09:11	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			01/25/12 09:11	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			01/25/12 09:11	1

Client Sample ID: Primary GAC Effluent

Lab Sample ID: 660-45846-1

Date Collected: 01/24/12 09:00
Matrix: Water
Date Received: 01/24/12 14:40

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			01/25/12 09:11	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			01/25/12 09:11	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			01/25/12 09:11	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			01/25/12 09:11	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			01/25/12 09:11	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			01/25/12 09:11	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			01/25/12 09:11	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			01/25/12 09:11	1
o-Xylene	0.50	U	1.0	0.50	ug/L			01/25/12 09:11	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			01/25/12 09:11	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			01/25/12 09:11	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			01/25/12 09:11	1
2-Hexanone	4.4	U	10	4.4	ug/L			01/25/12 09:11	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			01/25/12 09:11	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			01/25/12 09:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*70 - 130*		*01/25/12 09:11*	*1*
4-Bromofluorobenzene	*93*		*70 - 130*		*01/25/12 09:11*	*1*
Dibromofluoromethane	*112*		*70 - 130*		*01/25/12 09:11*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			01/25/12 09:48	1

Client Sample ID: Mid Process

Lab Sample ID: 660-45846-2

Date Collected: 01/24/12 09:10
Matrix: Water
Date Received: 01/24/12 14:40

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**15**	**I J3**	20	9.9	ug/L			01/25/12 09:34	1
Benzene	0.50	U	1.0	0.50	ug/L			01/25/12 09:34	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			01/25/12 09:34	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			01/25/12 09:34	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			01/25/12 09:34	1
Bromoform	0.58	U	1.0	0.58	ug/L			01/25/12 09:34	1
Bromomethane	2.5	U	5.0	2.5	ug/L			01/25/12 09:34	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			01/25/12 09:34	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			01/25/12 09:34	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			01/25/12 09:34	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			01/25/12 09:34	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			01/25/12 09:34	1
Chloroethane	2.5	U	5.0	2.5	ug/L			01/25/12 09:34	1
Chloroform	0.90	U	1.0	0.90	ug/L			01/25/12 09:34	1
Chloromethane	1.0	U	4.0	1.0	ug/L			01/25/12 09:34	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			01/25/12 09:34	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			01/25/12 09:34	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			01/25/12 09:34	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			01/25/12 09:34	1

Client Sample ID: Mid Process

Date Collected: 01/24/12 09:10
Date Received: 01/24/12 14:40

Lab Sample ID: 660-45846-2

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			01/25/12 09:34	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			01/25/12 09:34	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			01/25/12 09:34	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			01/25/12 09:34	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			01/25/12 09:34	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			01/25/12 09:34	1
1,1-Dichloroethane	**14**		1.0	0.52	ug/L			01/25/12 09:34	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			01/25/12 09:34	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			01/25/12 09:34	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			01/25/12 09:34	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			01/25/12 09:34	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			01/25/12 09:34	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			01/25/12 09:34	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			01/25/12 09:34	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			01/25/12 09:34	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			01/25/12 09:34	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/25/12 09:34	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/25/12 09:34	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			01/25/12 09:34	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			01/25/12 09:34	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			01/25/12 09:34	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			01/25/12 09:34	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			01/25/12 09:34	1
Naphthalene	2.5	U	5.0	2.5	ug/L			01/25/12 09:34	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			01/25/12 09:34	1
Styrene	0.98	U	2.0	0.98	ug/L			01/25/12 09:34	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			01/25/12 09:34	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			01/25/12 09:34	1
Toluene	1.0	U	1.0	1.0	ug/L			01/25/12 09:34	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			01/25/12 09:34	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			01/25/12 09:34	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			01/25/12 09:34	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			01/25/12 09:34	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			01/25/12 09:34	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			01/25/12 09:34	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			01/25/12 09:34	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			01/25/12 09:34	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			01/25/12 09:34	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			01/25/12 09:34	1
o-Xylene	0.50	U	1.0	0.50	ug/L			01/25/12 09:34	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			01/25/12 09:34	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			01/25/12 09:34	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			01/25/12 09:34	1
2-Hexanone	4.4	U	10	4.4	ug/L			01/25/12 09:34	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			01/25/12 09:34	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			01/25/12 09:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*103*		*70 - 130*		*01/25/12 09:34*	*1*
4-Bromofluorobenzene	*93*		*70 - 130*		*01/25/12 09:34*	*1*

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45846-1
SDG: 660-45846

Client Sample ID: Mid Process

Date Collected: 01/24/12 09:10
Date Received: 01/24/12 14:40

Lab Sample ID: 660-45846-2

Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*110*		*70 - 130*		*01/25/12 09:34*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			01/25/12 11:10	1

Surrogate Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45846-1
SDG: 660-45846

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)
660-45846-1	Primary GAC Effluent	102	93	112
660-45846-1 MS	Primary GAC Effluent	99	97	108
660-45846-2	Mid Process	103	93	110
660-45846-2 DU	Mid Process	100	93	111
LCS 660-120302/3	Lab Control Sample	98	97	109
MB 660-120302/5	Method Blank	101	94	110

Surrogate Legend

TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane

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

Lab Sample ID: MB 660-120302/5
Matrix: Water
Analysis Batch: 120302

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			01/25/12 08:38	1
Benzene	0.50	U	1.0	0.50	ug/L			01/25/12 08:38	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			01/25/12 08:38	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			01/25/12 08:38	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			01/25/12 08:38	1
Bromoform	0.58	U	1.0	0.58	ug/L			01/25/12 08:38	1
Bromomethane	2.5	U	5.0	2.5	ug/L			01/25/12 08:38	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			01/25/12 08:38	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			01/25/12 08:38	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			01/25/12 08:38	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			01/25/12 08:38	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			01/25/12 08:38	1
Chloroethane	2.5	U	5.0	2.5	ug/L			01/25/12 08:38	1
Chloroform	0.90	U	1.0	0.90	ug/L			01/25/12 08:38	1
Chloromethane	1.0	U	4.0	1.0	ug/L			01/25/12 08:38	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			01/25/12 08:38	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			01/25/12 08:38	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			01/25/12 08:38	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			01/25/12 08:38	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			01/25/12 08:38	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			01/25/12 08:38	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			01/25/12 08:38	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			01/25/12 08:38	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			01/25/12 08:38	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			01/25/12 08:38	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			01/25/12 08:38	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			01/25/12 08:38	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			01/25/12 08:38	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			01/25/12 08:38	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			01/25/12 08:38	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			01/25/12 08:38	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			01/25/12 08:38	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			01/25/12 08:38	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			01/25/12 08:38	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			01/25/12 08:38	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/25/12 08:38	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/25/12 08:38	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			01/25/12 08:38	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			01/25/12 08:38	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			01/25/12 08:38	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			01/25/12 08:38	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			01/25/12 08:38	1
Naphthalene	2.5	U	5.0	2.5	ug/L			01/25/12 08:38	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			01/25/12 08:38	1
Styrene	0.98	U	2.0	0.98	ug/L			01/25/12 08:38	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			01/25/12 08:38	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			01/25/12 08:38	1
Toluene	1.0	U	1.0	1.0	ug/L			01/25/12 08:38	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			01/25/12 08:38	1

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

Lab Sample ID: MB 660-120302/5
Matrix: Water
Analysis Batch: 120302

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			01/25/12 08:38	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			01/25/12 08:38	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			01/25/12 08:38	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			01/25/12 08:38	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			01/25/12 08:38	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			01/25/12 08:38	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			01/25/12 08:38	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			01/25/12 08:38	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			01/25/12 08:38	1
o-Xylene	0.50	U	1.0	0.50	ug/L			01/25/12 08:38	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			01/25/12 08:38	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			01/25/12 08:38	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			01/25/12 08:38	1
2-Hexanone	4.4	U	10	4.4	ug/L			01/25/12 08:38	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			01/25/12 08:38	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			01/25/12 08:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*70 - 130*		*01/25/12 08:38*	*1*
4-Bromofluorobenzene	*94*		*70 - 130*		*01/25/12 08:38*	*1*
Dibromofluoromethane	*110*		*70 - 130*		*01/25/12 08:38*	*1*

Lab Sample ID: LCS 660-120302/3
Matrix: Water
Analysis Batch: 120302

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	40.0	61.2	J3	ug/L		153	62 - 142
Benzene	20.0	22.7		ug/L		113	68 - 134
Bromobenzene	20.0	19.0		ug/L		95	70 - 130
Chlorobromomethane	20.0	18.2		ug/L		91	70 - 130
Dichlorobromomethane	20.0	17.7		ug/L		88	70 - 130
Bromoform	20.0	17.8		ug/L		89	65 - 130
Bromomethane	20.0	9.86		ug/L		49	22 - 150
n-Butylbenzene	20.0	18.9		ug/L		94	61 - 131
sec-Butylbenzene	20.0	19.8		ug/L		99	68 - 133
tert-Butylbenzene	20.0	18.0		ug/L		90	64 - 130
Carbon tetrachloride	20.0	19.2		ug/L		96	61 - 134
Chlorobenzene	20.0	18.5		ug/L		92	70 - 130
Chloroethane	20.0	17.6		ug/L		88	39 - 150
Chloroform	20.0	19.9		ug/L		100	68 - 130
Chloromethane	20.0	13.5		ug/L		67	35 - 150
2-Chlorotoluene	20.0	18.4		ug/L		92	70 - 130
4-Chlorotoluene	20.0	18.3		ug/L		91	70 - 130
Chlorodibromomethane	20.0	17.5		ug/L		88	70 - 130
1,2-Dibromo-3-Chloropropane	20.0	16.5		ug/L		83	63 - 130
Ethylene Dibromide	20.0	18.6		ug/L		93	66 - 130
Dibromomethane	20.0	18.9		ug/L		95	70 - 130
1,2-Dichlorobenzene	20.0	19.2		ug/L		96	70 - 130

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

Lab Sample ID: LCS 660-120302/3
Matrix: Water
Analysis Batch: 120302

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3-Dichlorobenzene	20.0	19.1		ug/L		95	70 - 130
1,4-Dichlorobenzene	20.0	18.7		ug/L		94	70 - 130
Dichlorodifluoromethane	20.0	18.1		ug/L		91	16 - 149
1,1-Dichloroethane	20.0	21.4		ug/L		107	66 - 130
1,2-Dichloroethane	20.0	19.1		ug/L		95	70 - 130
1,1,1,2-Tetrachloroethane	20.0	17.6		ug/L		88	70 - 130
1,1-Dichloroethene	20.0	21.3		ug/L		106	51 - 150
cis-1,2-Dichloroethene	20.0	20.9		ug/L		105	66 - 130
trans-1,2-Dichloroethene	20.0	23.2		ug/L		116	62 - 139
1,2-Dichloropropane	20.0	18.8		ug/L		94	70 - 130
1,3-Dichloropropane	20.0	19.3		ug/L		97	70 - 130
2,2-Dichloropropane	20.0	19.4		ug/L		97	66 - 134
1,1-Dichloropropene	20.0	21.3		ug/L		106	65 - 136
cis-1,3-Dichloropropene	20.0	18.5		ug/L		93	70 - 130
trans-1,3-Dichloropropene	20.0	17.4		ug/L		87	67 - 130
Ethylbenzene	20.0	19.3		ug/L		96	70 - 130
Hexachlorobutadiene	20.0	18.7		ug/L		93	62 - 143
Isopropylbenzene	20.0	19.5		ug/L		98	62 - 130
4-Isopropyltoluene	20.0	20.3		ug/L		102	65 - 134
Methylene Chloride	20.0	22.8		ug/L		114	57 - 130
Naphthalene	20.0	19.3		ug/L		97	50 - 136
N-Propylbenzene	20.0	18.9		ug/L		94	67 - 130
Styrene	20.0	18.5		ug/L		93	68 - 131
1,1,2,2-Tetrachloroethane	20.0	19.2		ug/L		96	70 - 130
Tetrachloroethene	20.0	16.6		ug/L		83	50 - 143
Toluene	20.0	19.0		ug/L		95	70 - 131
1,2,3-Trichlorobenzene	20.0	20.7		ug/L		103	58 - 132
1,2,4-Trichlorobenzene	20.0	19.2		ug/L		96	66 - 130
1,1,1-Trichloroethane	20.0	19.2		ug/L		96	63 - 132
1,1,2-Trichloroethane	20.0	19.0		ug/L		95	70 - 130
Trichloroethene	20.0	22.7		ug/L		113	63 - 139
Trichlorofluoromethane	20.0	19.3		ug/L		96	62 - 146
1,2,3-Trichloropropane	20.0	18.3		ug/L		91	66 - 130
1,2,4-Trimethylbenzene	20.0	18.5		ug/L		93	70 - 132
1,3,5-Trimethylbenzene	20.0	19.0		ug/L		95	65 - 134
Vinyl chloride	20.0	19.0		ug/L		95	48 - 147
o-Xylene	20.0	19.3		ug/L		97	69 - 130
2-Butanone (MEK)	40.0	48.3		ug/L		121	63 - 140
4-Methyl-2-pentanone (MIBK)	40.0	33.0		ug/L		82	64 - 137
Carbon disulfide	40.0	54.0		ug/L		135	30 - 150
2-Hexanone	40.0	35.6		ug/L		89	60 - 148
Methyl tert-butyl ether	40.0	42.5		ug/L		106	67 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*98*		*70 - 130*
4-Bromofluorobenzene	*97*		*70 - 130*
Dibromofluoromethane	*109*		*70 - 130*

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

Lab Sample ID: 660-45846-1 MS
Matrix: Water
Analysis Batch: 120302

Client Sample ID: Primary GAC Effluent
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	9.9	U J3	40.0	46.0		ug/L		115	62 - 142
Benzene	0.50	U	20.0	24.0		ug/L		120	68 - 134
Bromobenzene	0.58	U	20.0	20.4		ug/L		102	70 - 130
Chlorobromomethane	0.58	U	20.0	20.2		ug/L		101	70 - 130
Dichlorobromomethane	0.35	U	20.0	18.9		ug/L		95	70 - 130
Bromoform	0.58	U	20.0	18.4		ug/L		92	65 - 130
Bromomethane	2.5	U	20.0	13.3		ug/L		66	22 - 150
n-Butylbenzene	0.67	U	20.0	18.9		ug/L		95	61 - 131
sec-Butylbenzene	0.63	U	20.0	20.5		ug/L		102	68 - 133
tert-Butylbenzene	0.84	U	20.0	18.9		ug/L		94	64 - 130
Carbon tetrachloride	0.42	U	20.0	19.1		ug/L		96	61 - 134
Chlorobenzene	0.63	U	20.0	19.7		ug/L		99	70 - 130
Chloroethane	2.5	U	20.0	19.6		ug/L		98	39 - 150
Chloroform	0.90	U	20.0	20.3		ug/L		102	68 - 130
Chloromethane	1.0	U	20.0	14.3		ug/L		71	35 - 150
2-Chlorotoluene	0.65	U	20.0	19.4		ug/L		97	70 - 130
4-Chlorotoluene	0.52	U	20.0	19.2		ug/L		96	70 - 130
Chlorodibromomethane	0.34	U	20.0	18.6		ug/L		93	70 - 130
1,2-Dibromo-3-Chloropropane	2.5	U	20.0	17.5		ug/L		87	63 - 130
Ethylene Dibromide	0.50	U	20.0	20.0		ug/L		100	66 - 130
Dibromomethane	0.41	U	20.0	20.0		ug/L		100	70 - 130
1,2-Dichlorobenzene	0.44	U	20.0	20.1		ug/L		101	70 - 130
1,3-Dichlorobenzene	0.64	U	20.0	19.6		ug/L		98	70 - 130
1,4-Dichlorobenzene	0.52	U	20.0	19.8		ug/L		99	70 - 130
Dichlorodifluoromethane	2.5	U	20.0	17.6		ug/L		88	16 - 149
1,1-Dichloroethane	0.52	U	20.0	22.5		ug/L		112	66 - 130
1,2-Dichloroethane	0.57	U	20.0	20.4		ug/L		102	70 - 130
1,1,1,2-Tetrachloroethane	0.63	U	20.0	18.5		ug/L		92	70 - 130
1,1-Dichloroethene	0.45	U	20.0	22.8		ug/L		114	51 - 150
cis-1,2-Dichloroethene	0.65	U	20.0	22.1		ug/L		110	66 - 130
trans-1,2-Dichloroethene	0.44	U	20.0	23.9		ug/L		120	62 - 139
1,2-Dichloropropane	0.52	U	20.0	20.7		ug/L		103	70 - 130
1,3-Dichloropropane	0.39	U	20.0	20.6		ug/L		103	70 - 130
2,2-Dichloropropane	0.36	U	20.0	19.5		ug/L		97	66 - 134
1,1-Dichloropropene	0.31	U	20.0	21.4		ug/L		107	65 - 136
cis-1,3-Dichloropropene	0.14	U	20.0	20.6		ug/L		103	70 - 130
trans-1,3-Dichloropropene	0.14	U	20.0	18.4		ug/L		92	67 - 130
Ethylbenzene	0.44	U	20.0	20.1		ug/L		100	70 - 130
Hexachlorobutadiene	0.40	U	20.0	17.9		ug/L		89	62 - 143
Isopropylbenzene	0.19	U	20.0	20.2		ug/L		101	62 - 130
4-Isopropyltoluene	0.69	U	20.0	20.6		ug/L		103	65 - 134
Methylene Chloride	4.0	U	20.0	22.4		ug/L		112	57 - 130
Naphthalene	2.5	U	20.0	18.9		ug/L		94	50 - 136
N-Propylbenzene	0.59	U	20.0	19.3		ug/L		97	67 - 130
Styrene	0.98	U	20.0	19.1		ug/L		96	68 - 131
1,1,2,2-Tetrachloroethane	0.15	U	20.0	20.5		ug/L		103	70 - 130
Tetrachloroethene	0.50	U	20.0	16.4		ug/L		82	50 - 143
Toluene	1.0	U	20.0	20.0		ug/L		100	70 - 131
1,2,3-Trichlorobenzene	0.77	U	20.0	20.6		ug/L		103	58 - 132

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

Lab Sample ID: 660-45846-1 MS
Matrix: Water
Analysis Batch: 120302

Client Sample ID: Primary GAC Effluent
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	0.58	U	20.0	19.7		ug/L		98	66 - 130
1,1,1-Trichloroethane	0.46	U	20.0	19.4		ug/L		97	63 - 132
1,1,2-Trichloroethane	0.47	U	20.0	20.7		ug/L		103	70 - 130
Trichloroethene	0.50	U	20.0	23.6		ug/L		118	63 - 139
Trichlorofluoromethane	2.5	U	20.0	19.9		ug/L		100	62 - 146
1,2,3-Trichloropropane	0.18	U	20.0	18.8		ug/L		94	66 - 130
1,2,4-Trimethylbenzene	0.86	U	20.0	19.8		ug/L		99	70 - 132
1,3,5-Trimethylbenzene	0.54	U	20.0	20.0		ug/L		100	65 - 134
Vinyl chloride	0.50	U	20.0	20.1		ug/L		100	48 - 147
o-Xylene	0.50	U	20.0	19.9		ug/L		99	69 - 130
2-Butanone (MEK)	8.4	U	40.0	44.2		ug/L		110	63 - 140
4-Methyl-2-pentanone (MIBK)	3.8	U	40.0	37.4		ug/L		93	64 - 137
Carbon disulfide	1.0	U	40.0	57.0		ug/L		142	30 - 150
2-Hexanone	4.4	U	40.0	35.9		ug/L		90	60 - 148
Methyl tert-butyl ether	0.44	U	40.0	45.4		ug/L		113	67 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*99*		*70 - 130*
4-Bromofluorobenzene	*97*		*70 - 130*
Dibromofluoromethane	*108*		*70 - 130*

Lab Sample ID: 660-45846-2 DU
Matrix: Water
Analysis Batch: 120302

Client Sample ID: Mid Process
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Acetone	15	I J3	16.4	I J3	ug/L		6	30
Benzene	0.50	U	0.50	U	ug/L		NC	30
Bromobenzene	0.58	U	0.58	U	ug/L		NC	30
Chlorobromomethane	0.58	U	0.58	U	ug/L		NC	30
Dichlorobromomethane	0.35	U	0.35	U	ug/L		NC	30
Bromoform	0.58	U	0.58	U	ug/L		NC	30
Bromomethane	2.5	U	2.5	U	ug/L		NC	30
n-Butylbenzene	0.67	U	0.67	U	ug/L		NC	30
sec-Butylbenzene	0.63	U	0.63	U	ug/L		NC	30
tert-Butylbenzene	0.84	U	0.84	U	ug/L		NC	30
Carbon tetrachloride	0.42	U	0.42	U	ug/L		NC	30
Chlorobenzene	0.63	U	0.63	U	ug/L		NC	30
Chloroethane	2.5	U	2.5	U	ug/L		NC	30
Chloroform	0.90	U	0.90	U	ug/L		NC	30
Chloromethane	1.0	U	1.0	U	ug/L		NC	30
2-Chlorotoluene	0.65	U	0.65	U	ug/L		NC	30
4-Chlorotoluene	0.52	U	0.52	U	ug/L		NC	30
Chlorodibromomethane	0.34	U	0.34	U	ug/L		NC	30
1,2-Dibromo-3-Chloropropane	2.5	U	2.5	U	ug/L		NC	30
Ethylene Dibromide	0.50	U	0.50	U	ug/L		NC	30
Dibromomethane	0.41	U	0.41	U	ug/L		NC	30
1,2-Dichlorobenzene	0.44	U	0.44	U	ug/L		NC	30
1,3-Dichlorobenzene	0.64	U	0.64	U	ug/L		NC	30

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

Lab Sample ID: 660-45846-2 DU
Matrix: Water
Analysis Batch: 120302

Client Sample ID: Mid Process
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
1,4-Dichlorobenzene	0.52	U		0.52	U	ug/L				NC	30
Dichlorodifluoromethane	2.5	U		2.5	U	ug/L				NC	30
1,1-Dichloroethane	14			14.2		ug/L				0.4	30
1,2-Dichloroethane	0.57	U		0.57	U	ug/L				NC	30
1,1,1,2-Tetrachloroethane	0.63	U		0.63	U	ug/L				NC	30
1,1-Dichloroethene	0.45	U		0.45	U	ug/L				NC	30
cis-1,2-Dichloroethene	0.65	U		0.65	U	ug/L				NC	30
trans-1,2-Dichloroethene	0.44	U		0.44	U	ug/L				NC	30
1,2-Dichloropropane	0.52	U		0.52	U	ug/L				NC	30
1,3-Dichloropropane	0.39	U		0.39	U	ug/L				NC	30
2,2-Dichloropropane	0.36	U		0.36	U	ug/L				NC	30
1,1-Dichloropropene	0.31	U		0.31	U	ug/L				NC	30
cis-1,3-Dichloropropene	0.14	U		0.14	U	ug/L				NC	30
trans-1,3-Dichloropropene	0.14	U		0.14	U	ug/L				NC	30
Ethylbenzene	0.44	U		0.44	U	ug/L				NC	30
Hexachlorobutadiene	0.40	U		0.40	U	ug/L				NC	30
Isopropylbenzene	0.19	U		0.19	U	ug/L				NC	30
4-Isopropyltoluene	0.69	U		0.69	U	ug/L				NC	30
Methylene Chloride	4.0	U		4.0	U	ug/L				NC	30
Naphthalene	2.5	U		2.5	U	ug/L				NC	30
N-Propylbenzene	0.59	U		0.59	U	ug/L				NC	30
Styrene	0.98	U		0.98	U	ug/L				NC	30
1,1,2,2-Tetrachloroethane	0.15	U		0.15	U	ug/L				NC	30
Tetrachloroethene	0.50	U		0.50	U	ug/L				NC	30
Toluene	1.0	U		1.0	U	ug/L				NC	30
1,2,3-Trichlorobenzene	0.77	U		0.77	U	ug/L				NC	30
1,2,4-Trichlorobenzene	0.58	U		0.58	U	ug/L				NC	30
1,1,1-Trichloroethane	0.46	U		0.46	U	ug/L				NC	30
1,1,2-Trichloroethane	0.47	U		0.47	U	ug/L				NC	30
Trichloroethene	0.50	U		0.50	U	ug/L				NC	30
Trichlorofluoromethane	2.5	U		2.5	U	ug/L				NC	30
1,2,3-Trichloropropane	0.18	U		0.18	U	ug/L				NC	30
1,2,4-Trimethylbenzene	0.86	U		0.86	U	ug/L				NC	30
1,3,5-Trimethylbenzene	0.54	U		0.54	U	ug/L				NC	30
Vinyl chloride	0.50	U		0.50	U	ug/L				NC	30
o-Xylene	0.50	U		0.50	U	ug/L				NC	30
2-Butanone (MEK)	8.4	U		8.4	U	ug/L				NC	30
4-Methyl-2-pentanone (MIBK)	3.8	U		3.8	U	ug/L				NC	30
Carbon disulfide	1.0	U		1.0	U	ug/L				NC	30
2-Hexanone	4.4	U		4.4	U	ug/L				NC	30
Methyl tert-butyl ether	0.44	U		0.44	U	ug/L				NC	30
m-Xylene & p-Xylene	0.60	U		0.60	U	ug/L				NC	30

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
Toluene-d8 (Surr)	*100*		*70 - 130*
4-Bromofluorobenzene	*93*		*70 - 130*
Dibromofluoromethane	*111*		*70 - 130*

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45846-1
SDG: 660-45846

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Lab Sample ID: MB 660-120276/7
Matrix: Water
Analysis Batch: 120276

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			01/25/12 09:29	1

Lab Sample ID: LCS 660-120276/4
Matrix: Water
Analysis Batch: 120276

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dioxane	25.0	22.9		ug/L		92	50 - 150

Lab Sample ID: 660-45846-1 MS
Matrix: Water
Analysis Batch: 120276

Client Sample ID: Primary GAC Effluent
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dioxane	1.0	U	25.0	21.8		ug/L		87	50 - 150

Lab Sample ID: 660-45846-1 MSD
Matrix: Water
Analysis Batch: 120276

Client Sample ID: Primary GAC Effluent
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dioxane	1.0	U	25.0	21.1		ug/L		84	50 - 150	4	50

QC Association Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45846-1
SDG: 660-45846

GC/MS VOA

Analysis Batch: 120276

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-45846-1	Primary GAC Effluent	Total/NA	Water	8260C _SIM/ID	
660-45846-1 MS	Primary GAC Effluent	Total/NA	Water	8260C _SIM/ID	
660-45846-1 MSD	Primary GAC Effluent	Total/NA	Water	8260C _SIM/ID	
660-45846-2	Mid Process	Total/NA	Water	8260C _SIM/ID	
LCS 660-120276/4	Lab Control Sample	Total/NA	Water	8260C _SIM/ID	
MB 660-120276/7	Method Blank	Total/NA	Water	8260C _SIM/ID	

Analysis Batch: 120302

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-45846-1	Primary GAC Effluent	Total/NA	Water	8260B	
660-45846-1 MS	Primary GAC Effluent	Total/NA	Water	8260B	
660-45846-2	Mid Process	Total/NA	Water	8260B	
660-45846-2 DU	Mid Process	Total/NA	Water	8260B	
LCS 660-120302/3	Lab Control Sample	Total/NA	Water	8260B	
MB 660-120302/5	Method Blank	Total/NA	Water	8260B	

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45846-1
SDG: 660-45846

Client Sample ID: Primary GAC Effluent

Lab Sample ID: 660-45846-1

Date Collected: 01/24/12 09:00

Matrix: Water

Date Received: 01/24/12 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C _SIM/ID		1	120276	01/25/12 09:48	AP	TAL TAM
Total/NA	Analysis	8260B		1	120302	01/25/12 09:11	EC	TAL TAM

Client Sample ID: Mid Process

Lab Sample ID: 660-45846-2

Date Collected: 01/24/12 09:10

Matrix: Water

Date Received: 01/24/12 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C _SIM/ID		1	120276	01/25/12 11:10	AP	TAL TAM
Total/NA	Analysis	8260B		1	120302	01/25/12 09:34	EC	TAL TAM

Laboratory References:

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Certification Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45846-1
SDG: 660-45846

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Tampa	Alabama	State Program	4	40610
TestAmerica Tampa	Florida	NELAC	4	E84282
TestAmerica Tampa	Georgia	State Program	4	905
TestAmerica Tampa	USDA	USDA		P330-11-00177

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45846-1
SDG: 660-45846

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL TAM
8260C _SIM/ID	1,4-Dioxane by SIM/Isotopic Dilution	SW846	TAL TAM

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45846-1
SDG: 660-45846

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
660-45846-1	Primary GAC Effluent	Water	01/24/12 09:00	01/24/12 14:40
660-45846-2	Mid Process	Water	01/24/12 09:10	01/24/12 14:40

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

Lele0-45846 Serial Number 020591

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

(X) TestAmerica Tampa
6712 Benjamin Road, Suite 100
Tampa, FL 33634
Website: www.testamericainc.com
Phone: (813) 885-7427
Fax: (813) 885-7049

( ) Alternate Laboratory Name/Location
Phone:
Fax:

1/26/2012

PROJECT REFERENCE: Tallevast Carbon OM	PROJECT NO.: —	PROJECT LOCATION (STATE): FL	PAGE 1 OF 1
SAMPLER'S SIGNATURE: Mirw Lunre	P.O. NUMBER: 38055.0038.00009	CONTRACT NO.: —	STANDARD REPORT DELIVERY ( )
CLIENT (SITE) PM: Don Sauda	CLIENT PHONE: 8137484874	CLIENT FAX: —	DATE DUE:
CLIENT NAME: Arcadis	CLIENT E-MAIL: donald.sauda@arcadis-us.com		EXPEDITED REPORT DELIVERY (SURCHARGE) (X)
CLIENT ADDRESS: 1600 Tallevast Rd, Sarasota, FL, 34243			DATE DUE: 48 hrs
COMPANY CONTRACTING THIS WORK (if applicable): LMC			NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT...)	8260 B+C SIM 1D									REMARKS
								HCL	PRESERVATIVE								
1-24-12	9:00	Primary GAC effluent	G	X				4									int' flow = 19.1 gpm
1-24-12	9:10	Mid Process	G	X				4									sys. flow = 19 gpm
																	int. pH = 2.8
																	eff pH = 6.54

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS			Mirw Lunre	1-24-12	1330			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
Mirw Lunre	1-20-12	0800	[illegible]	1-24-12	1330			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	TAMPA LOG NO.	COOLER TEMP. UPON RECEIPT	LABORATORY REMARKS
Cynthia Edwards	1/24/12	1440	YES ( ) NO ( )			4.0c CW-DT	

TAL8240-660 (0209)

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 660-45846-1
SDG Number: 660-45846

Login Number: 45846
List Number: 1
Creator: Edwards, Erricka

List Source: TestAmerica Tampa

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	4.0c CU-07
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Tampa
6712 Benjamin Road
Suite 100
Tampa, FL 33634
Tel: (813)885-7427

TestAmerica Job ID: 660-45914-1
TestAmerica Sample Delivery Group: 660-45914
Client Project/Site: Tallevast Carbon OM

For:
ARCADIS U.S. Inc
6723 Towpath Road
PO BOX 66
Syracuse, New York 13214

Attn: Donald Sauda

Authorized for release by:
2/2/2012 2:48:30 PM

Tina Fritz
Project Manager II
tina.fritz@testamericainc.com

LINKS

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Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45914-1
SDG: 660-45914

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates that the compound was analyzed for but not detected.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 660-45914-1

Laboratory: TestAmerica Tampa

Narrative

Job Narrative
660-45914-1

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
No analytical or quality issues were noted.

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45914-1
SDG: 660-45914

Client Sample ID: Primary GAC Effluent 013112 — Lab Sample ID: 660-45914-1

No Detections

Client Sample ID: Mid Process 013112 — Lab Sample ID: 660-45914-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	9.9	I	20	9.9	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	13		1.0	0.52	ug/L	1		8260B	Total/NA

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45914-1
SDG: 660-45914

Client Sample ID: Primary GAC Effluent 013112

Lab Sample ID: 660-45914-1

Date Collected: 01/31/12 09:00
Date Received: 01/31/12 16:15

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			02/01/12 10:39	1
Benzene	0.50	U	1.0	0.50	ug/L			02/01/12 10:39	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			02/01/12 10:39	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			02/01/12 10:39	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			02/01/12 10:39	1
Bromoform	0.58	U	1.0	0.58	ug/L			02/01/12 10:39	1
Bromomethane	2.5	U	5.0	2.5	ug/L			02/01/12 10:39	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			02/01/12 10:39	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			02/01/12 10:39	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			02/01/12 10:39	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			02/01/12 10:39	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			02/01/12 10:39	1
Chloroethane	2.5	U	5.0	2.5	ug/L			02/01/12 10:39	1
Chloroform	0.90	U	1.0	0.90	ug/L			02/01/12 10:39	1
Chloromethane	1.0	U	4.0	1.0	ug/L			02/01/12 10:39	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			02/01/12 10:39	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			02/01/12 10:39	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			02/01/12 10:39	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			02/01/12 10:39	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			02/01/12 10:39	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			02/01/12 10:39	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			02/01/12 10:39	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			02/01/12 10:39	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			02/01/12 10:39	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			02/01/12 10:39	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			02/01/12 10:39	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			02/01/12 10:39	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			02/01/12 10:39	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			02/01/12 10:39	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			02/01/12 10:39	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			02/01/12 10:39	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			02/01/12 10:39	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			02/01/12 10:39	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			02/01/12 10:39	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			02/01/12 10:39	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/01/12 10:39	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/01/12 10:39	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			02/01/12 10:39	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			02/01/12 10:39	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			02/01/12 10:39	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			02/01/12 10:39	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			02/01/12 10:39	1
Naphthalene	2.5	U	5.0	2.5	ug/L			02/01/12 10:39	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			02/01/12 10:39	1
Styrene	0.98	U	2.0	0.98	ug/L			02/01/12 10:39	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			02/01/12 10:39	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			02/01/12 10:39	1
Toluene	1.0	U	1.0	1.0	ug/L			02/01/12 10:39	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			02/01/12 10:39	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			02/01/12 10:39	1

Client Sample ID: Primary GAC Effluent 013112

Lab Sample ID: 660-45914-1

Date Collected: 01/31/12 09:00
Matrix: Water
Date Received: 01/31/12 16:15

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			02/01/12 10:39	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			02/01/12 10:39	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			02/01/12 10:39	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			02/01/12 10:39	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			02/01/12 10:39	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			02/01/12 10:39	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			02/01/12 10:39	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			02/01/12 10:39	1
o-Xylene	0.50	U	1.0	0.50	ug/L			02/01/12 10:39	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			02/01/12 10:39	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			02/01/12 10:39	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			02/01/12 10:39	1
2-Hexanone	4.4	U	10	4.4	ug/L			02/01/12 10:39	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			02/01/12 10:39	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			02/01/12 10:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*70 - 130*		*02/01/12 10:39*	*1*
4-Bromofluorobenzene	*97*		*70 - 130*		*02/01/12 10:39*	*1*
Dibromofluoromethane	*102*		*70 - 130*		*02/01/12 10:39*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			02/01/12 10:49	1

Client Sample ID: Mid Process 013112

Lab Sample ID: 660-45914-2

Date Collected: 01/31/12 09:05
Matrix: Water
Date Received: 01/31/12 16:15

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**9.9**	**I**	20	9.9	ug/L			02/01/12 10:57	1
Benzene	0.50	U	1.0	0.50	ug/L			02/01/12 10:57	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			02/01/12 10:57	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			02/01/12 10:57	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			02/01/12 10:57	1
Bromoform	0.58	U	1.0	0.58	ug/L			02/01/12 10:57	1
Bromomethane	2.5	U	5.0	2.5	ug/L			02/01/12 10:57	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			02/01/12 10:57	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			02/01/12 10:57	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			02/01/12 10:57	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			02/01/12 10:57	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			02/01/12 10:57	1
Chloroethane	2.5	U	5.0	2.5	ug/L			02/01/12 10:57	1
Chloroform	0.90	U	1.0	0.90	ug/L			02/01/12 10:57	1
Chloromethane	1.0	U	4.0	1.0	ug/L			02/01/12 10:57	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			02/01/12 10:57	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			02/01/12 10:57	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			02/01/12 10:57	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			02/01/12 10:57	1

Client Sample ID: Mid Process 013112

Date Collected: 01/31/12 09:05
Date Received: 01/31/12 16:15

Lab Sample ID: 660-45914-2

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			02/01/12 10:57	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			02/01/12 10:57	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			02/01/12 10:57	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			02/01/12 10:57	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			02/01/12 10:57	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			02/01/12 10:57	1
1,1-Dichloroethane	**13**		1.0	0.52	ug/L			02/01/12 10:57	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			02/01/12 10:57	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			02/01/12 10:57	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			02/01/12 10:57	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			02/01/12 10:57	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			02/01/12 10:57	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			02/01/12 10:57	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			02/01/12 10:57	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			02/01/12 10:57	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			02/01/12 10:57	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/01/12 10:57	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/01/12 10:57	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			02/01/12 10:57	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			02/01/12 10:57	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			02/01/12 10:57	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			02/01/12 10:57	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			02/01/12 10:57	1
Naphthalene	2.5	U	5.0	2.5	ug/L			02/01/12 10:57	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			02/01/12 10:57	1
Styrene	0.98	U	2.0	0.98	ug/L			02/01/12 10:57	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			02/01/12 10:57	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			02/01/12 10:57	1
Toluene	1.0	U	1.0	1.0	ug/L			02/01/12 10:57	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			02/01/12 10:57	1
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			02/01/12 10:57	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			02/01/12 10:57	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			02/01/12 10:57	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			02/01/12 10:57	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			02/01/12 10:57	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			02/01/12 10:57	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			02/01/12 10:57	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			02/01/12 10:57	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			02/01/12 10:57	1
o-Xylene	0.50	U	1.0	0.50	ug/L			02/01/12 10:57	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			02/01/12 10:57	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			02/01/12 10:57	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			02/01/12 10:57	1
2-Hexanone	4.4	U	10	4.4	ug/L			02/01/12 10:57	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			02/01/12 10:57	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			02/01/12 10:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*70 - 130*		*02/01/12 10:57*	*1*
4-Bromofluorobenzene	*97*		*70 - 130*		*02/01/12 10:57*	*1*

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45914-1
SDG: 660-45914

Client Sample ID: Mid Process 013112

Date Collected: 01/31/12 09:05
Date Received: 01/31/12 16:15

Lab Sample ID: 660-45914-2

Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*101*		*70 - 130*		*02/01/12 10:57*	*1*

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			02/01/12 11:11	1

Surrogate Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45914-1
SDG: 660-45914

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)
660-45914-1	Primary GAC Effluent 013112	101	97	102
660-45914-2	Mid Process 013112	100	97	101
660-45915-B-1 MS	Matrix Spike	102	96	105
660-45915-C-1 DU	Duplicate	100	98	103
LCS 660-120501/3	Lab Control Sample	103	98	107
MB 660-120501/5	Method Blank	100	96	101

Surrogate Legend

TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane

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

Lab Sample ID: MB 660-120501/5
Matrix: Water
Analysis Batch: 120501

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U	20	9.9	ug/L			02/01/12 08:36	1
Benzene	0.50	U	1.0	0.50	ug/L			02/01/12 08:36	1
Bromobenzene	0.58	U	1.0	0.58	ug/L			02/01/12 08:36	1
Chlorobromomethane	0.58	U	1.0	0.58	ug/L			02/01/12 08:36	1
Dichlorobromomethane	0.35	U	1.0	0.35	ug/L			02/01/12 08:36	1
Bromoform	0.58	U	1.0	0.58	ug/L			02/01/12 08:36	1
Bromomethane	2.5	U	5.0	2.5	ug/L			02/01/12 08:36	1
n-Butylbenzene	0.67	U	1.0	0.67	ug/L			02/01/12 08:36	1
sec-Butylbenzene	0.63	U	1.0	0.63	ug/L			02/01/12 08:36	1
tert-Butylbenzene	0.84	U	1.0	0.84	ug/L			02/01/12 08:36	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			02/01/12 08:36	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			02/01/12 08:36	1
Chloroethane	2.5	U	5.0	2.5	ug/L			02/01/12 08:36	1
Chloroform	0.90	U	1.0	0.90	ug/L			02/01/12 08:36	1
Chloromethane	1.0	U	4.0	1.0	ug/L			02/01/12 08:36	1
2-Chlorotoluene	0.65	U	1.0	0.65	ug/L			02/01/12 08:36	1
4-Chlorotoluene	0.52	U	1.0	0.52	ug/L			02/01/12 08:36	1
Chlorodibromomethane	0.34	U	1.0	0.34	ug/L			02/01/12 08:36	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			02/01/12 08:36	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			02/01/12 08:36	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			02/01/12 08:36	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			02/01/12 08:36	1
1,3-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			02/01/12 08:36	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			02/01/12 08:36	1
Dichlorodifluoromethane	2.5	U	5.0	2.5	ug/L			02/01/12 08:36	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			02/01/12 08:36	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			02/01/12 08:36	1
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			02/01/12 08:36	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			02/01/12 08:36	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			02/01/12 08:36	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			02/01/12 08:36	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			02/01/12 08:36	1
1,3-Dichloropropane	0.39	U	1.0	0.39	ug/L			02/01/12 08:36	1
2,2-Dichloropropane	0.36	U	1.0	0.36	ug/L			02/01/12 08:36	1
1,1-Dichloropropene	0.31	U	1.0	0.31	ug/L			02/01/12 08:36	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/01/12 08:36	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			02/01/12 08:36	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			02/01/12 08:36	1
Hexachlorobutadiene	0.40	U	1.0	0.40	ug/L			02/01/12 08:36	1
Isopropylbenzene	0.19	U	1.0	0.19	ug/L			02/01/12 08:36	1
4-Isopropyltoluene	0.69	U	1.0	0.69	ug/L			02/01/12 08:36	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			02/01/12 08:36	1
Naphthalene	2.5	U	5.0	2.5	ug/L			02/01/12 08:36	1
N-Propylbenzene	0.59	U	1.0	0.59	ug/L			02/01/12 08:36	1
Styrene	0.98	U	2.0	0.98	ug/L			02/01/12 08:36	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			02/01/12 08:36	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			02/01/12 08:36	1
Toluene	1.0	U	1.0	1.0	ug/L			02/01/12 08:36	1
1,2,3-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			02/01/12 08:36	1

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

Lab Sample ID: MB 660-120501/5
Matrix: Water
Analysis Batch: 120501

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.58	U	1.0	0.58	ug/L			02/01/12 08:36	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			02/01/12 08:36	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			02/01/12 08:36	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			02/01/12 08:36	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			02/01/12 08:36	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			02/01/12 08:36	1
1,2,4-Trimethylbenzene	0.86	U	1.0	0.86	ug/L			02/01/12 08:36	1
1,3,5-Trimethylbenzene	0.54	U	1.0	0.54	ug/L			02/01/12 08:36	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			02/01/12 08:36	1
o-Xylene	0.50	U	1.0	0.50	ug/L			02/01/12 08:36	1
2-Butanone (MEK)	8.4	U	10	8.4	ug/L			02/01/12 08:36	1
4-Methyl-2-pentanone (MIBK)	3.8	U	10	3.8	ug/L			02/01/12 08:36	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			02/01/12 08:36	1
2-Hexanone	4.4	U	10	4.4	ug/L			02/01/12 08:36	1
Methyl tert-butyl ether	0.44	U	1.0	0.44	ug/L			02/01/12 08:36	1
m-Xylene & p-Xylene	0.60	U	2.0	0.60	ug/L			02/01/12 08:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*70 - 130*		*02/01/12 08:36*	*1*
4-Bromofluorobenzene	*96*		*70 - 130*		*02/01/12 08:36*	*1*
Dibromofluoromethane	*101*		*70 - 130*		*02/01/12 08:36*	*1*

Lab Sample ID: LCS 660-120501/3
Matrix: Water
Analysis Batch: 120501

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	40.0	37.2		ug/L		93	62 - 142
Benzene	20.0	21.5		ug/L		107	68 - 134
Bromobenzene	20.0	20.0		ug/L		100	70 - 130
Chlorobromomethane	20.0	21.3		ug/L		107	70 - 130
Dichlorobromomethane	20.0	18.2		ug/L		91	70 - 130
Bromoform	20.0	15.9		ug/L		79	65 - 130
Bromomethane	20.0	22.4		ug/L		112	22 - 150
n-Butylbenzene	20.0	16.4		ug/L		82	61 - 131
sec-Butylbenzene	20.0	17.0		ug/L		85	68 - 133
tert-Butylbenzene	20.0	16.5		ug/L		82	64 - 130
Carbon tetrachloride	20.0	18.5		ug/L		92	61 - 134
Chlorobenzene	20.0	19.8		ug/L		99	70 - 130
Chloroethane	20.0	24.4		ug/L		122	39 - 150
Chloroform	20.0	19.3		ug/L		96	68 - 130
Chloromethane	20.0	16.7		ug/L		84	35 - 150
2-Chlorotoluene	20.0	17.1		ug/L		86	70 - 130
4-Chlorotoluene	20.0	19.4		ug/L		97	70 - 130
Chlorodibromomethane	20.0	17.8		ug/L		89	70 - 130
1,2-Dibromo-3-Chloropropane	20.0	15.6		ug/L		78	63 - 130
Ethylene Dibromide	20.0	19.8		ug/L		99	66 - 130
Dibromomethane	20.0	20.1		ug/L		100	70 - 130
1,2-Dichlorobenzene	20.0	19.8		ug/L		99	70 - 130

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

Lab Sample ID: LCS 660-120501/3
Matrix: Water
Analysis Batch: 120501

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3-Dichlorobenzene	20.0	19.2		ug/L		96	70 - 130
1,4-Dichlorobenzene	20.0	19.6		ug/L		98	70 - 130
Dichlorodifluoromethane	20.0	14.8		ug/L		74	16 - 149
1,1-Dichloroethane	20.0	21.5		ug/L		108	66 - 130
1,2-Dichloroethane	20.0	19.7		ug/L		98	70 - 130
1,1,1,2-Tetrachloroethane	20.0	17.6		ug/L		88	70 - 130
1,1-Dichloroethene	20.0	20.4		ug/L		102	51 - 150
cis-1,2-Dichloroethene	20.0	20.6		ug/L		103	66 - 130
trans-1,2-Dichloroethene	20.0	21.1		ug/L		105	62 - 139
1,2-Dichloropropane	20.0	22.2		ug/L		111	70 - 130
1,3-Dichloropropane	20.0	20.0		ug/L		100	70 - 130
2,2-Dichloropropane	20.0	16.9		ug/L		85	66 - 134
1,1-Dichloropropene	20.0	21.0		ug/L		105	65 - 136
cis-1,3-Dichloropropene	20.0	16.6		ug/L		83	70 - 130
trans-1,3-Dichloropropene	20.0	15.8		ug/L		79	67 - 130
Ethylbenzene	20.0	19.9		ug/L		99	70 - 130
Hexachlorobutadiene	20.0	18.2		ug/L		91	62 - 143
Isopropylbenzene	20.0	17.1		ug/L		85	62 - 130
4-Isopropyltoluene	20.0	17.1		ug/L		86	65 - 134
Methylene Chloride	20.0	20.0		ug/L		100	57 - 130
Naphthalene	20.0	15.2		ug/L		76	50 - 136
N-Propylbenzene	20.0	17.6		ug/L		88	67 - 130
Styrene	20.0	16.5		ug/L		83	68 - 131
1,1,2,2-Tetrachloroethane	20.0	18.4		ug/L		92	70 - 130
Tetrachloroethene	20.0	19.6		ug/L		98	50 - 143
Toluene	20.0	21.2		ug/L		106	70 - 131
1,2,3-Trichlorobenzene	20.0	18.5		ug/L		93	58 - 132
1,2,4-Trichlorobenzene	20.0	18.3		ug/L		92	66 - 130
1,1,1-Trichloroethane	20.0	21.6		ug/L		108	63 - 132
1,1,2-Trichloroethane	20.0	20.3		ug/L		102	70 - 130
Trichloroethene	20.0	20.7		ug/L		104	63 - 139
Trichlorofluoromethane	20.0	25.0		ug/L		125	62 - 146
1,2,3-Trichloropropane	20.0	18.6		ug/L		93	66 - 130
1,2,4-Trimethylbenzene	20.0	16.8		ug/L		84	70 - 132
1,3,5-Trimethylbenzene	20.0	17.1		ug/L		86	65 - 134
Vinyl chloride	20.0	19.1		ug/L		95	48 - 147
o-Xylene	20.0	16.8		ug/L		84	69 - 130
2-Butanone (MEK)	40.0	43.8		ug/L		109	63 - 140
4-Methyl-2-pentanone (MIBK)	40.0	35.2		ug/L		88	64 - 137
Carbon disulfide	40.0	47.0		ug/L		118	30 - 150
2-Hexanone	40.0	35.2		ug/L		88	60 - 148
Methyl tert-butyl ether	40.0	34.6		ug/L		86	67 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*103*		*70 - 130*
4-Bromofluorobenzene	*98*		*70 - 130*
Dibromofluoromethane	*107*		*70 - 130*

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

Lab Sample ID: 660-45915-B-1 MS
Matrix: Water
Analysis Batch: 120501

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	9.9	U	40.0	48.5		ug/L		121	62 - 142
Benzene	0.50	U	20.0	23.1		ug/L		115	68 - 134
Bromobenzene	0.58	U	20.0	20.5		ug/L		102	70 - 130
Chlorobromomethane	0.58	U	20.0	21.5		ug/L		108	70 - 130
Dichlorobromomethane	0.35	U	20.0	19.2		ug/L		96	70 - 130
Bromoform	0.58	U	20.0	16.8		ug/L		84	65 - 130
Bromomethane	2.5	U	20.0	22.2		ug/L		111	22 - 150
n-Butylbenzene	0.67	U	20.0	17.0		ug/L		85	61 - 131
sec-Butylbenzene	0.63	U	20.0	17.8		ug/L		89	68 - 133
tert-Butylbenzene	0.84	U	20.0	17.0		ug/L		85	64 - 130
Carbon tetrachloride	0.42	U	20.0	19.5		ug/L		97	61 - 134
Chlorobenzene	0.63	U	20.0	21.2		ug/L		106	70 - 130
Chloroethane	2.5	U	20.0	25.0		ug/L		125	39 - 150
Chloroform	0.90	U	20.0	20.3		ug/L		102	68 - 130
Chloromethane	1.0	U	20.0	15.9		ug/L		80	35 - 150
2-Chlorotoluene	0.65	U	20.0	17.6		ug/L		88	70 - 130
4-Chlorotoluene	0.52	U	20.0	19.7		ug/L		98	70 - 130
Chlorodibromomethane	0.34	U	20.0	17.8		ug/L		89	70 - 130
1,2-Dibromo-3-Chloropropane	2.5	U	20.0	17.2		ug/L		86	63 - 130
Ethylene Dibromide	0.50	U	20.0	21.7		ug/L		109	66 - 130
Dibromomethane	0.41	U	20.0	21.5		ug/L		107	70 - 130
1,2-Dichlorobenzene	0.44	U	20.0	20.6		ug/L		103	70 - 130
1,3-Dichlorobenzene	0.64	U	20.0	20.3		ug/L		102	70 - 130
1,4-Dichlorobenzene	0.52	U	20.0	20.7		ug/L		103	70 - 130
Dichlorodifluoromethane	2.5	U	20.0	13.7		ug/L		68	16 - 149
1,1-Dichloroethane	0.52	U	20.0	22.8		ug/L		114	66 - 130
1,2-Dichloroethane	0.57	U	20.0	21.5		ug/L		107	70 - 130
1,1,1,2-Tetrachloroethane	0.63	U	20.0	18.5		ug/L		93	70 - 130
1,1-Dichloroethene	0.45	U	20.0	20.7		ug/L		103	51 - 150
cis-1,2-Dichloroethene	0.65	U	20.0	21.7		ug/L		109	66 - 130
trans-1,2-Dichloroethene	0.44	U	20.0	21.3		ug/L		107	62 - 139
1,2-Dichloropropane	0.52	U	20.0	22.3		ug/L		112	70 - 130
1,3-Dichloropropane	0.39	U	20.0	21.8		ug/L		109	70 - 130
2,2-Dichloropropane	0.36	U	20.0	17.8		ug/L		89	66 - 134
1,1-Dichloropropene	0.31	U	20.0	21.9		ug/L		109	65 - 136
cis-1,3-Dichloropropene	0.14	U	20.0	17.6		ug/L		88	70 - 130
trans-1,3-Dichloropropene	0.14	U	20.0	16.0		ug/L		80	67 - 130
Ethylbenzene	0.44	U	20.0	20.9		ug/L		105	70 - 130
Hexachlorobutadiene	0.40	U	20.0	18.1		ug/L		90	62 - 143
Isopropylbenzene	0.19	U	20.0	17.3		ug/L		87	62 - 130
4-Isopropyltoluene	0.69	U	20.0	18.1		ug/L		90	65 - 134
Methylene Chloride	4.0	U	20.0	21.1		ug/L		106	57 - 130
Naphthalene	2.5	U	20.0	18.7		ug/L		94	50 - 136
N-Propylbenzene	0.59	U	20.0	18.0		ug/L		90	67 - 130
Styrene	0.98	U	20.0	17.6		ug/L		88	68 - 131
1,1,2,2-Tetrachloroethane	0.15	U	20.0	20.5		ug/L		102	70 - 130
Tetrachloroethene	0.50	U	20.0	20.7		ug/L		103	50 - 143
Toluene	1.0	U	20.0	21.4		ug/L		107	70 - 131
1,2,3-Trichlorobenzene	0.77	U	20.0	20.6		ug/L		103	58 - 132

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

Lab Sample ID: 660-45915-B-1 MS
Matrix: Water
Analysis Batch: 120501

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	0.58	U	20.0	20.0		ug/L		100	66 - 130
1,1,1-Trichloroethane	0.46	U	20.0	22.4		ug/L		112	63 - 132
1,1,2-Trichloroethane	0.47	U	20.0	22.2		ug/L		111	70 - 130
Trichloroethene	0.50	U	20.0	21.7		ug/L		109	63 - 139
Trichlorofluoromethane	2.5	U	20.0	24.7		ug/L		123	62 - 146
1,2,3-Trichloropropane	0.18	U	20.0	21.4		ug/L		107	66 - 130
1,2,4-Trimethylbenzene	0.86	U	20.0	17.0		ug/L		85	70 - 132
1,3,5-Trimethylbenzene	0.54	U	20.0	17.4		ug/L		87	65 - 134
Vinyl chloride	0.50	U	20.0	18.6		ug/L		93	48 - 147
o-Xylene	0.50	U	20.0	18.0		ug/L		90	69 - 130
2-Butanone (MEK)	8.4	U	40.0	50.4		ug/L		126	63 - 140
4-Methyl-2-pentanone (MIBK)	3.8	U	40.0	41.0		ug/L		102	64 - 137
Carbon disulfide	1.0	U	40.0	43.7		ug/L		109	30 - 150
2-Hexanone	4.4	U	40.0	44.0		ug/L		110	60 - 148
Methyl tert-butyl ether	0.44	U	40.0	35.9		ug/L		90	67 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*102*		*70 - 130*
4-Bromofluorobenzene	*96*		*70 - 130*
Dibromofluoromethane	*105*		*70 - 130*

Lab Sample ID: 660-45915-C-1 DU
Matrix: Water
Analysis Batch: 120501

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Acetone	9.9	U	9.9	U	ug/L		NC	30
Benzene	0.50	U	0.50	U	ug/L		NC	30
Bromobenzene	0.58	U	0.58	U	ug/L		NC	30
Chlorobromomethane	0.58	U	0.58	U	ug/L		NC	30
Dichlorobromomethane	0.35	U	0.35	U	ug/L		NC	30
Bromoform	0.58	U	0.58	U	ug/L		NC	30
Bromomethane	2.5	U	2.5	U	ug/L		NC	30
n-Butylbenzene	0.67	U	0.67	U	ug/L		NC	30
sec-Butylbenzene	0.63	U	0.63	U	ug/L		NC	30
tert-Butylbenzene	0.84	U	0.84	U	ug/L		NC	30
Carbon tetrachloride	0.42	U	0.42	U	ug/L		NC	30
Chlorobenzene	0.63	U	0.63	U	ug/L		NC	30
Chloroethane	2.5	U	2.5	U	ug/L		NC	30
Chloroform	0.90	U	0.90	U	ug/L		NC	30
Chloromethane	1.0	U	1.0	U	ug/L		NC	30
2-Chlorotoluene	0.65	U	0.65	U	ug/L		NC	30
4-Chlorotoluene	0.52	U	0.52	U	ug/L		NC	30
Chlorodibromomethane	0.34	U	0.34	U	ug/L		NC	30
1,2-Dibromo-3-Chloropropane	2.5	U	2.5	U	ug/L		NC	30
Ethylene Dibromide	0.50	U	0.50	U	ug/L		NC	30
Dibromomethane	0.41	U	0.41	U	ug/L		NC	30
1,2-Dichlorobenzene	0.44	U	0.44	U	ug/L		NC	30
1,3-Dichlorobenzene	0.64	U	0.64	U	ug/L		NC	30

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

Lab Sample ID: 660-45915-C-1 DU
Matrix: Water
Analysis Batch: 120501

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
1,4-Dichlorobenzene	0.52	U		0.52	U	ug/L				NC	30
Dichlorodifluoromethane	2.5	U		2.5	U	ug/L				NC	30
1,1-Dichloroethane	0.52	U		0.52	U	ug/L				NC	30
1,2-Dichloroethane	0.57	U		0.57	U	ug/L				NC	30
1,1,1,2-Tetrachloroethane	0.63	U		0.63	U	ug/L				NC	30
1,1-Dichloroethene	0.45	U		0.45	U	ug/L				NC	30
cis-1,2-Dichloroethene	0.65	U		0.65	U	ug/L				NC	30
trans-1,2-Dichloroethene	0.44	U		0.44	U	ug/L				NC	30
1,2-Dichloropropane	0.52	U		0.52	U	ug/L				NC	30
1,3-Dichloropropane	0.39	U		0.39	U	ug/L				NC	30
2,2-Dichloropropane	0.36	U		0.36	U	ug/L				NC	30
1,1-Dichloropropene	0.31	U		0.31	U	ug/L				NC	30
cis-1,3-Dichloropropene	0.14	U		0.14	U	ug/L				NC	30
trans-1,3-Dichloropropene	0.14	U		0.14	U	ug/L				NC	30
Ethylbenzene	0.44	U		0.44	U	ug/L				NC	30
Hexachlorobutadiene	0.40	U		0.40	U	ug/L				NC	30
Isopropylbenzene	0.19	U		0.19	U	ug/L				NC	30
4-Isopropyltoluene	0.69	U		0.69	U	ug/L				NC	30
Methylene Chloride	4.0	U		4.0	U	ug/L				NC	30
Naphthalene	2.5	U		2.5	U	ug/L				NC	30
N-Propylbenzene	0.59	U		0.59	U	ug/L				NC	30
Styrene	0.98	U		0.98	U	ug/L				NC	30
1,1,2,2-Tetrachloroethane	0.15	U		0.15	U	ug/L				NC	30
Tetrachloroethene	0.50	U		0.50	U	ug/L				NC	30
Toluene	1.0	U		1.0	U	ug/L				NC	30
1,2,3-Trichlorobenzene	0.77	U		0.77	U	ug/L				NC	30
1,2,4-Trichlorobenzene	0.58	U		0.58	U	ug/L				NC	30
1,1,1-Trichloroethane	0.46	U		0.46	U	ug/L				NC	30
1,1,2-Trichloroethane	0.47	U		0.47	U	ug/L				NC	30
Trichloroethene	0.50	U		0.50	U	ug/L				NC	30
Trichlorofluoromethane	2.5	U		2.5	U	ug/L				NC	30
1,2,3-Trichloropropane	0.18	U		0.18	U	ug/L				NC	30
1,2,4-Trimethylbenzene	0.86	U		0.86	U	ug/L				NC	30
1,3,5-Trimethylbenzene	0.54	U		0.54	U	ug/L				NC	30
Vinyl chloride	0.50	U		0.50	U	ug/L				NC	30
o-Xylene	0.50	U		0.50	U	ug/L				NC	30
2-Butanone (MEK)	8.4	U		8.4	U	ug/L				NC	30
4-Methyl-2-pentanone (MIBK)	3.8	U		3.8	U	ug/L				NC	30
Carbon disulfide	1.0	U		1.0	U	ug/L				NC	30
2-Hexanone	4.4	U		4.4	U	ug/L				NC	30
Methyl tert-butyl ether	0.44	U		0.44	U	ug/L				NC	30
m-Xylene & p-Xylene	0.60	U		0.60	U	ug/L				NC	30

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
Toluene-d8 (Surr)	*100*		*70 - 130*
4-Bromofluorobenzene	*98*		*70 - 130*
Dibromofluoromethane	*103*		*70 - 130*

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45914-1
SDG: 660-45914

Method: 8260C _SIM/ID - 1,4-Dioxane by SIM/Isotopic Dilution

Lab Sample ID: MB 660-120510/7 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 120510

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	2.0	1.0	ug/L			02/01/12 09:43	1

Lab Sample ID: LCS 660-120510/5 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 120510

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,4-Dioxane			25.0	18.8		ug/L		75	50 - 150		

Lab Sample ID: 660-45907-A-3 MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 120510

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,4-Dioxane	18		25.0	42.6		ug/L		99	50 - 150		

Lab Sample ID: 660-45907-A-3 MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 120510

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dioxane	18		25.0	40.7		ug/L		91	50 - 150	5	50

QC Association Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45914-1
SDG: 660-45914

GC/MS VOA

Analysis Batch: 120501

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-45914-1	Primary GAC Effluent 013112	Total/NA	Water	8260B	
660-45914-2	Mid Process 013112	Total/NA	Water	8260B	
660-45915-B-1 MS	Matrix Spike	Total/NA	Water	8260B	
660-45915-C-1 DU	Duplicate	Total/NA	Water	8260B	
LCS 660-120501/3	Lab Control Sample	Total/NA	Water	8260B	
MB 660-120501/5	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 120510

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-45907-A-3 MS	Matrix Spike	Total/NA	Water	8260C _SIM/ID	
660-45907-A-3 MSD	Matrix Spike Duplicate	Total/NA	Water	8260C _SIM/ID	
660-45914-1	Primary GAC Effluent 013112	Total/NA	Water	8260C _SIM/ID	
660-45914-2	Mid Process 013112	Total/NA	Water	8260C _SIM/ID	
LCS 660-120510/5	Lab Control Sample	Total/NA	Water	8260C _SIM/ID	
MB 660-120510/7	Method Blank	Total/NA	Water	8260C _SIM/ID	

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45914-1
SDG: 660-45914

Client Sample ID: Primary GAC Effluent 013112

Lab Sample ID: 660-45914-1

Date Collected: 01/31/12 09:00

Matrix: Water

Date Received: 01/31/12 16:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	120501	02/01/12 10:39	EC	TAL TAM
Total/NA	Analysis	8260C _SIM/ID		1	120510	02/01/12 10:49	AP	TAL TAM

Client Sample ID: Mid Process 013112

Lab Sample ID: 660-45914-2

Date Collected: 01/31/12 09:05

Matrix: Water

Date Received: 01/31/12 16:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	120501	02/01/12 10:57	EC	TAL TAM
Total/NA	Analysis	8260C _SIM/ID		1	120510	02/01/12 11:11	AP	TAL TAM

Laboratory References:

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Certification Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45914-1
SDG: 660-45914

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Tampa	Alabama	State Program	4	40610
TestAmerica Tampa	Florida	NELAC	4	E84282
TestAmerica Tampa	Georgia	State Program	4	905
TestAmerica Tampa	USDA	USDA		P330-11-00177

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45914-1
SDG: 660-45914

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL TAM
8260C _SIM/ID	1,4-Dioxane by SIM/Isotopic Dilution	SW846	TAL TAM

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: Tallevast Carbon OM

TestAmerica Job ID: 660-45914-1
SDG: 660-45914

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
660-45914-1	Primary GAC Effluent 013112	Water	01/31/12 09:00	01/31/12 16:15
660-45914-2	Mid Process 013112	Water	01/31/12 09:05	01/31/12 16:15

Serial Number 020592

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Tampa
6712 Benjamin Road, Suite 100
Tampa, FL 33634
Website: www.testamericainc.com
Phone: (813) 885-7427
Fax: (813) 885-7049

Alternate Laboratory Name/Location
Phone:
Fax: 660-45914

PROJECT REFERENCE: Tallevast Carbon OM	PROJECT NO.: —	PROJECT LOCATION (STATE): FL	PAGE 1 OF 1
SAMPLER'S SIGNATURE: [signature]	P.O. NUMBER: 38055.0038.00009	CONTRACT NO.: —	STANDARD REPORT DELIVERY ○
CLIENT (SITE) PM: Don Sauda	CLIENT PHONE: 941-780-0694	CLIENT FAX: —	DATE DUE:
CLIENT NAME: Arcadis	CLIENT E-MAIL: donald.sauda@arcadis-us.com		EXPEDITED REPORT DELIVERY (SURCHARGE) ☒ DATE DUE: 48 hours
CLIENT ADDRESS: 1600 Tallevast Rd, Sarasota, FL, 34243			NUMBER OF COOLERS SUBMITTED PER SHIPMENT:
COMPANY CONTRACTING THIS WORK (if applicable): LMC			

REQUIRED ANALYSIS: 8260 B+C Sim 1,D

PRESERVATIVE: HCL

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT...)	NUMBER OF CONTAINERS SUBMITTED	REMARKS
1-31-12	900	Primary GAC effluent	G	X				4	Int flow = 18.8 gpm
1-31-12	905	Mid Process	G	X				4	sys flow = 18 gpm
									int pH = 2.8
									eff pH = 6.48

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS			[signature]	1-31-12	1330			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
[signature]	1-27-12	0800	[signature]	1-31-12	1330			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	TAMPA LOG NO.	COOLER TEMP. UPON RECEIPT	LABORATORY REMARKS
[signature]	1/31/12	1615	YES ○ NO ○			33°C CW07	

TAL8240-660 (0209)

2/2/2012

R625-EDC-002289-0

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 660-45914-1
SDG Number: 660-45914

Login Number: 45914
List Number: 1
Creator: Snead, Joshua

List Source: TestAmerica Tampa

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.3c Cu07
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	