Detection Summary

Client: Stewart Environmental Consultants Inc
Project/Site: Analytical Testing

TestAmerica Job ID: 280-99137-1

Client Sample ID: MW-12 (Continued) — Lab Sample ID: 280-99137-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Isopropylbenzene	0.75	J	2.0	0.38	ug/L	2		8260B	Total/NA
m-Xylene & p-Xylene	1.6	J	4.0	0.68	ug/L	2		8260B	Total/NA
Naphthalene	2.7		2.0	0.44	ug/L	2		8260B	Total/NA
N-Propylbenzene	0.63	J	2.0	0.32	ug/L	2		8260B	Total/NA
o-Xylene	2.2		2.0	0.38	ug/L	2		8260B	Total/NA
Tetrahydrofuran	61		14	4.1	ug/L	2		8260B	Total/NA
Toluene	5.9		2.0	0.34	ug/L	2		8260B	Total/NA
Trichloroethene	10		2.0	0.32	ug/L	2		8260B	Total/NA
Vinyl chloride	21		2.0	0.20	ug/L	2		8260B	Total/NA
Xylenes, Total	3.8	J	4.0	0.38	ug/L	2		8260B	Total/NA

Client Sample ID: MW-1 — Lab Sample ID: 280-99137-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	32		10	1.9	ug/L	1		8260B	Total/NA
Trichloroethene	0.24	J	1.0	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: MW-16 — Lab Sample ID: 280-99137-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	95	J	100	22	ug/L	100		8260B	Total/NA
1,1-Dichloroethene	35	J	100	23	ug/L	100		8260B	Total/NA
1,2-Dichloroethene, Total	1900		100	24	ug/L	100		8260B	Total/NA
cis-1,2-Dichloroethene	1900		100	15	ug/L	100		8260B	Total/NA
Dichlorodifluoromethane	70	J	200	31	ug/L	100		8260B	Total/NA
Tetrahydrofuran	530	J	700	200	ug/L	100		8260B	Total/NA
trans-1,2-Dichloroethene	33	J	100	15	ug/L	100		8260B	Total/NA
Trichloroethene	3200		100	16	ug/L	100		8260B	Total/NA
Vinyl chloride	300		100	10	ug/L	100		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Stewart Environmental Consultants Inc
Project/Site: Analytical Testing

TestAmerica Job ID: 280-99137-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL DEN

Protocol References:

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

Laboratory References:

TAL DEN = TestAmerica Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

Sample Summary

Client: Stewart Environmental Consultants Inc
Project/Site: Analytical Testing

TestAmerica Job ID: 280-99137-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
280-99137-1	MW-6	Water	07/10/17 13:15	07/12/17 15:15
280-99137-2	MW-15	Water	07/10/17 14:30	07/12/17 15:15
280-99137-3	MW-11	Water	07/11/17 13:50	07/12/17 15:15
280-99137-4	MW-3	Water	07/10/17 10:50	07/12/17 15:15
280-99137-5	MW-12	Water	07/11/17 15:20	07/12/17 15:15
280-99137-6	MW-1	Water	07/10/17 08:45	07/12/17 15:15
280-99137-7	MW-16	Water	07/06/17 13:30	07/12/17 15:15

Client Sample Results

Client: Stewart Environmental Consultants Inc
Project/Site: Analytical Testing

TestAmerica Job ID: 280-99137-1

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

Client Sample ID: MW-6
Date Collected: 07/10/17 13:15
Date Received: 07/12/17 15:15

Lab Sample ID: 280-99137-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/17/17 16:09	1
1,1,1-Trichloroethane	ND		1.0	0.16	ug/L			07/17/17 16:09	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/17/17 16:09	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			07/17/17 16:09	1
1,1-Dichloroethane	**0.50**	**J**	1.0	0.22	ug/L			07/17/17 16:09	1
1,1-Dichloroethene	ND		1.0	0.23	ug/L			07/17/17 16:09	1
1,1-Dichloropropene	ND		1.0	0.19	ug/L			07/17/17 16:09	1
1,2,3-Trichlorobenzene	ND		1.0	0.21	ug/L			07/17/17 16:09	1
1,2,3-Trichloropropane	ND		2.5	0.33	ug/L			07/17/17 16:09	1
1,2,4-Trichlorobenzene	ND		1.0	0.21	ug/L			07/17/17 16:09	1
1,2,4-Trimethylbenzene	ND		1.0	0.15	ug/L			07/17/17 16:09	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.47	ug/L			07/17/17 16:09	1
1,2-Dibromoethane	ND		1.0	0.18	ug/L			07/17/17 16:09	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			07/17/17 16:09	1
1,2-Dichloroethane	ND		1.0	0.13	ug/L			07/17/17 16:09	1
1,2-Dichloroethene, Total	**1.6**		1.0	0.24	ug/L			07/17/17 16:09	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			07/17/17 16:09	1
1,3,5-Trimethylbenzene	ND		1.0	0.16	ug/L			07/17/17 16:09	1
1,3-Dichlorobenzene	ND		1.0	0.13	ug/L			07/17/17 16:09	1
1,3-Dichloropropane	ND		1.0	0.22	ug/L			07/17/17 16:09	1
1,4-Dichlorobenzene	**1.2**		1.0	0.16	ug/L			07/17/17 16:09	1
2,2-Dichloropropane	ND		1.0	0.18	ug/L			07/17/17 16:09	1
2-Butanone (MEK)	ND		6.0	2.0	ug/L			07/17/17 16:09	1
2-Chlorotoluene	ND		1.0	0.17	ug/L			07/17/17 16:09	1
2-Hexanone	ND		5.0	1.7	ug/L			07/17/17 16:09	1
2-Pentanone	ND	*	5.0	1.0	ug/L			07/17/17 16:09	1
4-Chlorotoluene	ND		1.0	0.21	ug/L			07/17/17 16:09	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			07/17/17 16:09	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.98	ug/L			07/17/17 16:09	1
Acetone	**4.1**	**J**	10	1.9	ug/L			07/17/17 16:09	1
Acetonitrile	ND		30	9.6	ug/L			07/17/17 16:09	1
Benzene	**0.37**	**J**	1.0	0.16	ug/L			07/17/17 16:09	1
Bromobenzene	ND		1.0	0.17	ug/L			07/17/17 16:09	1
Bromoform	ND		1.0	0.19	ug/L			07/17/17 16:09	1
Bromomethane	ND		2.0	0.21	ug/L			07/17/17 16:09	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/17/17 16:09	1
Chlorobenzene	ND		1.0	0.17	ug/L			07/17/17 16:09	1
Chlorobromomethane	ND		1.0	0.10	ug/L			07/17/17 16:09	1
Chlorodibromomethane	ND		1.0	0.17	ug/L			07/17/17 16:09	1
Chloroethane	ND		2.0	0.41	ug/L			07/17/17 16:09	1
Chloroform	ND		1.0	0.16	ug/L			07/17/17 16:09	1
Chloromethane	ND		2.0	0.30	ug/L			07/17/17 16:09	1
cis-1,2-Dichloroethene	**1.6**		1.0	0.15	ug/L			07/17/17 16:09	1
cis-1,3-Dichloropropene	ND		1.0	0.16	ug/L			07/17/17 16:09	1
Dibromomethane	ND		1.0	0.17	ug/L			07/17/17 16:09	1
Dichlorobromomethane	ND		1.0	0.17	ug/L			07/17/17 16:09	1
Dichlorodifluoromethane	**0.81**	**J**	2.0	0.31	ug/L			07/17/17 16:09	1
Ethyl methacrylate	ND		3.0	0.86	ug/L			07/17/17 16:09	1
Ethylbenzene	ND		1.0	0.16	ug/L			07/17/17 16:09	1

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

Client Sample ID: MW-6
Date Collected: 07/10/17 13:15
Date Received: 07/12/17 15:15

Lab Sample ID: 280-99137-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	ND		1.0	0.36	ug/L			07/17/17 16:09	1
Isopropylbenzene	ND		1.0	0.19	ug/L			07/17/17 16:09	1
Methyl tert-butyl ether	ND		5.0	0.25	ug/L			07/17/17 16:09	1
Methylene Chloride	ND		2.0	0.32	ug/L			07/17/17 16:09	1
m-Xylene & p-Xylene	ND		2.0	0.34	ug/L			07/17/17 16:09	1
Naphthalene	ND		1.0	0.22	ug/L			07/17/17 16:09	1
n-Butylbenzene	ND		1.0	0.32	ug/L			07/17/17 16:09	1
N-Propylbenzene	ND		1.0	0.16	ug/L			07/17/17 16:09	1
o-Xylene	ND		1.0	0.19	ug/L			07/17/17 16:09	1
sec-Butylbenzene	ND		1.0	0.17	ug/L			07/17/17 16:09	1
Styrene	ND		1.0	0.17	ug/L			07/17/17 16:09	1
tert-Butylbenzene	ND		1.0	0.16	ug/L			07/17/17 16:09	1
Tetrachloroethene	**0.55**	**J**	1.0	0.20	ug/L			07/17/17 16:09	1
Tetrahydrofuran	ND		7.0	2.0	ug/L			07/17/17 16:09	1
Toluene	ND		1.0	0.17	ug/L			07/17/17 16:09	1
trans-1,2-Dichloroethene	ND		1.0	0.15	ug/L			07/17/17 16:09	1
trans-1,3-Dichloropropene	ND		3.0	0.19	ug/L			07/17/17 16:09	1
Trichloroethene	**0.60**	**J**	1.0	0.16	ug/L			07/17/17 16:09	1
Trichlorofluoromethane	ND		2.0	0.29	ug/L			07/17/17 16:09	1
Vinyl chloride	**2.2**		1.0	0.10	ug/L			07/17/17 16:09	1
Xylenes, Total	ND		2.0	0.19	ug/L			07/17/17 16:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*70 - 127*		*07/17/17 16:09*	*1*
4-Bromofluorobenzene (Surr)	*91*		*78 - 120*		*07/17/17 16:09*	*1*
Dibromofluoromethane (Surr)	*89*		*77 - 120*		*07/17/17 16:09*	*1*
Toluene-d8 (Surr)	*96*		*80 - 125*		*07/17/17 16:09*	*1*

Client Sample ID: MW-15
Date Collected: 07/10/17 14:30
Date Received: 07/12/17 15:15

Lab Sample ID: 280-99137-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/17/17 16:31	1
1,1,1-Trichloroethane	ND		1.0	0.16	ug/L			07/17/17 16:31	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/17/17 16:31	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			07/17/17 16:31	1
1,1-Dichloroethane	ND		1.0	0.22	ug/L			07/17/17 16:31	1
1,1-Dichloroethene	ND		1.0	0.23	ug/L			07/17/17 16:31	1
1,1-Dichloropropene	ND		1.0	0.19	ug/L			07/17/17 16:31	1
1,2,3-Trichlorobenzene	ND		1.0	0.21	ug/L			07/17/17 16:31	1
1,2,3-Trichloropropane	ND		2.5	0.33	ug/L			07/17/17 16:31	1
1,2,4-Trichlorobenzene	ND		1.0	0.21	ug/L			07/17/17 16:31	1
1,2,4-Trimethylbenzene	ND		1.0	0.15	ug/L			07/17/17 16:31	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.47	ug/L			07/17/17 16:31	1
1,2-Dibromoethane	ND		1.0	0.18	ug/L			07/17/17 16:31	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			07/17/17 16:31	1
1,2-Dichloroethane	ND		1.0	0.13	ug/L			07/17/17 16:31	1
1,2-Dichloroethene, Total	ND		1.0	0.24	ug/L			07/17/17 16:31	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			07/17/17 16:31	1
1,3,5-Trimethylbenzene	ND		1.0	0.16	ug/L			07/17/17 16:31	1

Client Sample Results

Client: Stewart Environmental Consultants Inc
Project/Site: Analytical Testing

TestAmerica Job ID: 280-99137-1

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

Client Sample ID: MW-15
Date Collected: 07/10/17 14:30
Date Received: 07/12/17 15:15

Lab Sample ID: 280-99137-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		1.0	0.13	ug/L			07/17/17 16:31	1
1,3-Dichloropropane	ND		1.0	0.22	ug/L			07/17/17 16:31	1
1,4-Dichlorobenzene	ND		1.0	0.16	ug/L			07/17/17 16:31	1
2,2-Dichloropropane	ND		1.0	0.18	ug/L			07/17/17 16:31	1
2-Butanone (MEK)	ND		6.0	2.0	ug/L			07/17/17 16:31	1
2-Chlorotoluene	ND		1.0	0.17	ug/L			07/17/17 16:31	1
2-Hexanone	ND		5.0	1.7	ug/L			07/17/17 16:31	1
2-Pentanone	ND	*	5.0	1.0	ug/L			07/17/17 16:31	1
4-Chlorotoluene	ND		1.0	0.21	ug/L			07/17/17 16:31	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			07/17/17 16:31	1
4-Methyl-2-pentanone (MIBK)	**1.9**	**J**	5.0	0.98	ug/L			07/17/17 16:31	1
Acetone	**42**		10	1.9	ug/L			07/17/17 16:31	1
Acetonitrile	ND		30	9.6	ug/L			07/17/17 16:31	1
Benzene	ND		1.0	0.16	ug/L			07/17/17 16:31	1
Bromobenzene	ND		1.0	0.17	ug/L			07/17/17 16:31	1
Bromoform	ND		1.0	0.19	ug/L			07/17/17 16:31	1
Bromomethane	ND		2.0	0.21	ug/L			07/17/17 16:31	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/17/17 16:31	1
Chlorobenzene	ND		1.0	0.17	ug/L			07/17/17 16:31	1
Chlorobromomethane	ND		1.0	0.10	ug/L			07/17/17 16:31	1
Chlorodibromomethane	ND		1.0	0.17	ug/L			07/17/17 16:31	1
Chloroethane	ND		2.0	0.41	ug/L			07/17/17 16:31	1
Chloroform	ND		1.0	0.16	ug/L			07/17/17 16:31	1
Chloromethane	ND		2.0	0.30	ug/L			07/17/17 16:31	1
cis-1,2-Dichloroethene	ND		1.0	0.15	ug/L			07/17/17 16:31	1
cis-1,3-Dichloropropene	ND		1.0	0.16	ug/L			07/17/17 16:31	1
Dibromomethane	ND		1.0	0.17	ug/L			07/17/17 16:31	1
Dichlorobromomethane	ND		1.0	0.17	ug/L			07/17/17 16:31	1
Dichlorodifluoromethane	ND		2.0	0.31	ug/L			07/17/17 16:31	1
Ethyl methacrylate	ND		3.0	0.86	ug/L			07/17/17 16:31	1
Ethylbenzene	ND		1.0	0.16	ug/L			07/17/17 16:31	1
Hexachlorobutadiene	ND		1.0	0.36	ug/L			07/17/17 16:31	1
Isopropylbenzene	ND		1.0	0.19	ug/L			07/17/17 16:31	1
Methyl tert-butyl ether	ND		5.0	0.25	ug/L			07/17/17 16:31	1
Methylene Chloride	ND		2.0	0.32	ug/L			07/17/17 16:31	1
m-Xylene & p-Xylene	ND		2.0	0.34	ug/L			07/17/17 16:31	1
Naphthalene	ND		1.0	0.22	ug/L			07/17/17 16:31	1
n-Butylbenzene	ND		1.0	0.32	ug/L			07/17/17 16:31	1
N-Propylbenzene	ND		1.0	0.16	ug/L			07/17/17 16:31	1
o-Xylene	ND		1.0	0.19	ug/L			07/17/17 16:31	1
sec-Butylbenzene	ND		1.0	0.17	ug/L			07/17/17 16:31	1
Styrene	ND		1.0	0.17	ug/L			07/17/17 16:31	1
tert-Butylbenzene	ND		1.0	0.16	ug/L			07/17/17 16:31	1
Tetrachloroethene	ND		1.0	0.20	ug/L			07/17/17 16:31	1
Tetrahydrofuran	ND		7.0	2.0	ug/L			07/17/17 16:31	1
Toluene	ND		1.0	0.17	ug/L			07/17/17 16:31	1
trans-1,2-Dichloroethene	ND		1.0	0.15	ug/L			07/17/17 16:31	1
trans-1,3-Dichloropropene	ND		3.0	0.19	ug/L			07/17/17 16:31	1
Trichloroethene	ND		1.0	0.16	ug/L			07/17/17 16:31	1

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

Client Sample ID: MW-15
Date Collected: 07/10/17 14:30
Date Received: 07/12/17 15:15

Lab Sample ID: 280-99137-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		2.0	0.29	ug/L			07/17/17 16:31	1
Vinyl chloride	ND		1.0	0.10	ug/L			07/17/17 16:31	1
Xylenes, Total	ND		2.0	0.19	ug/L			07/17/17 16:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 127*		*07/17/17 16:31*	*1*
4-Bromofluorobenzene (Surr)	*96*		*78 - 120*		*07/17/17 16:31*	*1*
Dibromofluoromethane (Surr)	*92*		*77 - 120*		*07/17/17 16:31*	*1*
Toluene-d8 (Surr)	*98*		*80 - 125*		*07/17/17 16:31*	*1*

Client Sample ID: MW-11
Date Collected: 07/11/17 13:50
Date Received: 07/12/17 15:15

Lab Sample ID: 280-99137-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/17/17 16:54	1
1,1,1-Trichloroethane	ND		1.0	0.16	ug/L			07/17/17 16:54	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/17/17 16:54	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			07/17/17 16:54	1
1,1-Dichloroethane	ND		1.0	0.22	ug/L			07/17/17 16:54	1
1,1-Dichloroethene	ND		1.0	0.23	ug/L			07/17/17 16:54	1
1,1-Dichloropropene	ND		1.0	0.19	ug/L			07/17/17 16:54	1
1,2,3-Trichlorobenzene	ND		1.0	0.21	ug/L			07/17/17 16:54	1
1,2,3-Trichloropropane	ND		2.5	0.33	ug/L			07/17/17 16:54	1
1,2,4-Trichlorobenzene	ND		1.0	0.21	ug/L			07/17/17 16:54	1
1,2,4-Trimethylbenzene	**0.17**	**J**	1.0	0.15	ug/L			07/17/17 16:54	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.47	ug/L			07/17/17 16:54	1
1,2-Dibromoethane	ND		1.0	0.18	ug/L			07/17/17 16:54	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			07/17/17 16:54	1
1,2-Dichloroethane	ND		1.0	0.13	ug/L			07/17/17 16:54	1
1,2-Dichloroethene, Total	ND		1.0	0.24	ug/L			07/17/17 16:54	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			07/17/17 16:54	1
1,3,5-Trimethylbenzene	ND		1.0	0.16	ug/L			07/17/17 16:54	1
1,3-Dichlorobenzene	ND		1.0	0.13	ug/L			07/17/17 16:54	1
1,3-Dichloropropane	ND		1.0	0.22	ug/L			07/17/17 16:54	1
1,4-Dichlorobenzene	**4.9**		1.0	0.16	ug/L			07/17/17 16:54	1
2,2-Dichloropropane	ND		1.0	0.18	ug/L			07/17/17 16:54	1
2-Butanone (MEK)	ND		6.0	2.0	ug/L			07/17/17 16:54	1
2-Chlorotoluene	ND		1.0	0.17	ug/L			07/17/17 16:54	1
2-Hexanone	ND		5.0	1.7	ug/L			07/17/17 16:54	1
2-Pentanone	ND	*	5.0	1.0	ug/L			07/17/17 16:54	1
4-Chlorotoluene	ND		1.0	0.21	ug/L			07/17/17 16:54	1
4-Isopropyltoluene	**0.37**	**J**	1.0	0.20	ug/L			07/17/17 16:54	1
4-Methyl-2-pentanone (MIBK)	**0.98**	**J**	5.0	0.98	ug/L			07/17/17 16:54	1
Acetone	**25**		10	1.9	ug/L			07/17/17 16:54	1
Acetonitrile	ND		30	9.6	ug/L			07/17/17 16:54	1
Benzene	**0.24**	**J**	1.0	0.16	ug/L			07/17/17 16:54	1
Bromobenzene	ND		1.0	0.17	ug/L			07/17/17 16:54	1
Bromoform	ND		1.0	0.19	ug/L			07/17/17 16:54	1
Bromomethane	ND		2.0	0.21	ug/L			07/17/17 16:54	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/17/17 16:54	1

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

Client Sample ID: MW-11
Date Collected: 07/11/17 13:50
Date Received: 07/12/17 15:15

Lab Sample ID: 280-99137-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	**0.49**	J	1.0	0.17	ug/L			07/17/17 16:54	1
Chlorobromomethane	ND		1.0	0.10	ug/L			07/17/17 16:54	1
Chlorodibromomethane	ND		1.0	0.17	ug/L			07/17/17 16:54	1
Chloroethane	ND		2.0	0.41	ug/L			07/17/17 16:54	1
Chloroform	ND		1.0	0.16	ug/L			07/17/17 16:54	1
Chloromethane	ND		2.0	0.30	ug/L			07/17/17 16:54	1
cis-1,2-Dichloroethene	ND		1.0	0.15	ug/L			07/17/17 16:54	1
cis-1,3-Dichloropropene	ND		1.0	0.16	ug/L			07/17/17 16:54	1
Dibromomethane	ND		1.0	0.17	ug/L			07/17/17 16:54	1
Dichlorobromomethane	ND		1.0	0.17	ug/L			07/17/17 16:54	1
Dichlorodifluoromethane	ND		2.0	0.31	ug/L			07/17/17 16:54	1
Ethyl methacrylate	ND		3.0	0.86	ug/L			07/17/17 16:54	1
Ethylbenzene	ND		1.0	0.16	ug/L			07/17/17 16:54	1
Hexachlorobutadiene	ND		1.0	0.36	ug/L			07/17/17 16:54	1
Isopropylbenzene	ND		1.0	0.19	ug/L			07/17/17 16:54	1
Methyl tert-butyl ether	ND		5.0	0.25	ug/L			07/17/17 16:54	1
Methylene Chloride	ND		2.0	0.32	ug/L			07/17/17 16:54	1
m-Xylene & p-Xylene	ND		2.0	0.34	ug/L			07/17/17 16:54	1
Naphthalene	ND		1.0	0.22	ug/L			07/17/17 16:54	1
n-Butylbenzene	ND		1.0	0.32	ug/L			07/17/17 16:54	1
N-Propylbenzene	ND		1.0	0.16	ug/L			07/17/17 16:54	1
o-Xylene	ND		1.0	0.19	ug/L			07/17/17 16:54	1
sec-Butylbenzene	ND		1.0	0.17	ug/L			07/17/17 16:54	1
Styrene	ND		1.0	0.17	ug/L			07/17/17 16:54	1
tert-Butylbenzene	ND		1.0	0.16	ug/L			07/17/17 16:54	1
Tetrachloroethene	ND		1.0	0.20	ug/L			07/17/17 16:54	1
Tetrahydrofuran	ND		7.0	2.0	ug/L			07/17/17 16:54	1
Toluene	**0.17**	J	1.0	0.17	ug/L			07/17/17 16:54	1
trans-1,2-Dichloroethene	ND		1.0	0.15	ug/L			07/17/17 16:54	1
trans-1,3-Dichloropropene	ND		3.0	0.19	ug/L			07/17/17 16:54	1
Trichloroethene	ND		1.0	0.16	ug/L			07/17/17 16:54	1
Trichlorofluoromethane	ND		2.0	0.29	ug/L			07/17/17 16:54	1
Vinyl chloride	ND		1.0	0.10	ug/L			07/17/17 16:54	1
Xylenes, Total	ND		2.0	0.19	ug/L			07/17/17 16:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 127*		*07/17/17 16:54*	*1*
4-Bromofluorobenzene (Surr)	*92*		*78 - 120*		*07/17/17 16:54*	*1*
Dibromofluoromethane (Surr)	*92*		*77 - 120*		*07/17/17 16:54*	*1*
Toluene-d8 (Surr)	*96*		*80 - 125*		*07/17/17 16:54*	*1*

Client Sample ID: MW-3
Date Collected: 07/10/17 10:50
Date Received: 07/12/17 15:15

Lab Sample ID: 280-99137-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/17/17 17:18	1
1,1,1-Trichloroethane	ND		1.0	0.16	ug/L			07/17/17 17:18	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/17/17 17:18	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			07/17/17 17:18	1
1,1-Dichloroethane	ND		1.0	0.22	ug/L			07/17/17 17:18	1

Client Sample Results

Client: Stewart Environmental Consultants Inc
Project/Site: Analytical Testing

TestAmerica Job ID: 280-99137-1

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

Client Sample ID: MW-3
Date Collected: 07/10/17 10:50
Date Received: 07/12/17 15:15

Lab Sample ID: 280-99137-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		1.0	0.23	ug/L			07/17/17 17:18	1
1,1-Dichloropropene	ND		1.0	0.19	ug/L			07/17/17 17:18	1
1,2,3-Trichlorobenzene	ND		1.0	0.21	ug/L			07/17/17 17:18	1
1,2,3-Trichloropropane	ND		2.5	0.33	ug/L			07/17/17 17:18	1
1,2,4-Trichlorobenzene	ND		1.0	0.21	ug/L			07/17/17 17:18	1
1,2,4-Trimethylbenzene	ND		1.0	0.15	ug/L			07/17/17 17:18	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.47	ug/L			07/17/17 17:18	1
1,2-Dibromoethane	ND		1.0	0.18	ug/L			07/17/17 17:18	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			07/17/17 17:18	1
1,2-Dichloroethane	ND		1.0	0.13	ug/L			07/17/17 17:18	1
1,2-Dichloroethene, Total	ND		1.0	0.24	ug/L			07/17/17 17:18	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			07/17/17 17:18	1
1,3,5-Trimethylbenzene	ND		1.0	0.16	ug/L			07/17/17 17:18	1
1,3-Dichlorobenzene	ND		1.0	0.13	ug/L			07/17/17 17:18	1
1,3-Dichloropropane	ND		1.0	0.22	ug/L			07/17/17 17:18	1
1,4-Dichlorobenzene	ND		1.0	0.16	ug/L			07/17/17 17:18	1
2,2-Dichloropropane	ND		1.0	0.18	ug/L			07/17/17 17:18	1
2-Butanone (MEK)	ND		6.0	2.0	ug/L			07/17/17 17:18	1
2-Chlorotoluene	ND		1.0	0.17	ug/L			07/17/17 17:18	1
2-Hexanone	ND		5.0	1.7	ug/L			07/17/17 17:18	1
2-Pentanone	ND	*	5.0	1.0	ug/L			07/17/17 17:18	1
4-Chlorotoluene	ND		1.0	0.21	ug/L			07/17/17 17:18	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			07/17/17 17:18	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.98	ug/L			07/17/17 17:18	1
Acetone	**28**		10	1.9	ug/L			07/17/17 17:18	1
Acetonitrile	ND		30	9.6	ug/L			07/17/17 17:18	1
Benzene	ND		1.0	0.16	ug/L			07/17/17 17:18	1
Bromobenzene	ND		1.0	0.17	ug/L			07/17/17 17:18	1
Bromoform	ND		1.0	0.19	ug/L			07/17/17 17:18	1
Bromomethane	ND		2.0	0.21	ug/L			07/17/17 17:18	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/17/17 17:18	1
Chlorobenzene	ND		1.0	0.17	ug/L			07/17/17 17:18	1
Chlorobromomethane	ND		1.0	0.10	ug/L			07/17/17 17:18	1
Chlorodibromomethane	ND		1.0	0.17	ug/L			07/17/17 17:18	1
Chloroethane	ND		2.0	0.41	ug/L			07/17/17 17:18	1
Chloroform	ND		1.0	0.16	ug/L			07/17/17 17:18	1
Chloromethane	ND		2.0	0.30	ug/L			07/17/17 17:18	1
cis-1,2-Dichloroethene	ND		1.0	0.15	ug/L			07/17/17 17:18	1
cis-1,3-Dichloropropene	ND		1.0	0.16	ug/L			07/17/17 17:18	1
Dibromomethane	ND		1.0	0.17	ug/L			07/17/17 17:18	1
Dichlorobromomethane	ND		1.0	0.17	ug/L			07/17/17 17:18	1
Dichlorodifluoromethane	ND		2.0	0.31	ug/L			07/17/17 17:18	1
Ethyl methacrylate	ND		3.0	0.86	ug/L			07/17/17 17:18	1
Ethylbenzene	ND		1.0	0.16	ug/L			07/17/17 17:18	1
Hexachlorobutadiene	ND		1.0	0.36	ug/L			07/17/17 17:18	1
Isopropylbenzene	ND		1.0	0.19	ug/L			07/17/17 17:18	1
Methyl tert-butyl ether	ND		5.0	0.25	ug/L			07/17/17 17:18	1
Methylene Chloride	ND		2.0	0.32	ug/L			07/17/17 17:18	1
m-Xylene & p-Xylene	ND		2.0	0.34	ug/L			07/17/17 17:18	1

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

Client Sample ID: MW-3
Date Collected: 07/10/17 10:50
Date Received: 07/12/17 15:15

Lab Sample ID: 280-99137-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0	0.22	ug/L			07/17/17 17:18	1
n-Butylbenzene	ND		1.0	0.32	ug/L			07/17/17 17:18	1
N-Propylbenzene	ND		1.0	0.16	ug/L			07/17/17 17:18	1
o-Xylene	ND		1.0	0.19	ug/L			07/17/17 17:18	1
sec-Butylbenzene	ND		1.0	0.17	ug/L			07/17/17 17:18	1
Styrene	ND		1.0	0.17	ug/L			07/17/17 17:18	1
tert-Butylbenzene	ND		1.0	0.16	ug/L			07/17/17 17:18	1
Tetrachloroethene	ND		1.0	0.20	ug/L			07/17/17 17:18	1
Tetrahydrofuran	ND		7.0	2.0	ug/L			07/17/17 17:18	1
Toluene	**0.17**	**J**	1.0	0.17	ug/L			07/17/17 17:18	1
trans-1,2-Dichloroethene	ND		1.0	0.15	ug/L			07/17/17 17:18	1
trans-1,3-Dichloropropene	ND		3.0	0.19	ug/L			07/17/17 17:18	1
Trichloroethene	**0.33**	**J**	1.0	0.16	ug/L			07/17/17 17:18	1
Trichlorofluoromethane	ND		2.0	0.29	ug/L			07/17/17 17:18	1
Vinyl chloride	ND		1.0	0.10	ug/L			07/17/17 17:18	1
Xylenes, Total	ND		2.0	0.19	ug/L			07/17/17 17:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 127*		*07/17/17 17:18*	*1*
4-Bromofluorobenzene (Surr)	*94*		*78 - 120*		*07/17/17 17:18*	*1*
Dibromofluoromethane (Surr)	*89*		*77 - 120*		*07/17/17 17:18*	*1*
Toluene-d8 (Surr)	*96*		*80 - 125*		*07/17/17 17:18*	*1*

Client Sample ID: MW-12
Date Collected: 07/11/17 15:20
Date Received: 07/12/17 15:15

Lab Sample ID: 280-99137-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.42	ug/L			07/17/17 17:40	2
1,1,1-Trichloroethane	ND		2.0	0.32	ug/L			07/17/17 17:40	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			07/17/17 17:40	2
1,1,2-Trichloroethane	ND		2.0	0.54	ug/L			07/17/17 17:40	2
1,1-Dichloroethane	**8.2**		2.0	0.44	ug/L			07/17/17 17:40	2
1,1-Dichloroethene	**0.51**	**J**	2.0	0.46	ug/L			07/17/17 17:40	2
1,1-Dichloropropene	ND		2.0	0.38	ug/L			07/17/17 17:40	2
1,2,3-Trichlorobenzene	ND		2.0	0.42	ug/L			07/17/17 17:40	2
1,2,3-Trichloropropane	ND		5.0	0.66	ug/L			07/17/17 17:40	2
1,2,4-Trichlorobenzene	ND		2.0	0.42	ug/L			07/17/17 17:40	2
1,2,4-Trimethylbenzene	**1.8**	**J**	2.0	0.30	ug/L			07/17/17 17:40	2
1,2-Dibromo-3-Chloropropane	ND		10	0.94	ug/L			07/17/17 17:40	2
1,2-Dibromoethane	ND		2.0	0.36	ug/L			07/17/17 17:40	2
1,2-Dichlorobenzene	ND		2.0	0.30	ug/L			07/17/17 17:40	2
1,2-Dichloroethane	ND		2.0	0.26	ug/L			07/17/17 17:40	2
1,2-Dichloroethene, Total	**7.9**		2.0	0.48	ug/L			07/17/17 17:40	2
1,2-Dichloropropane	ND		2.0	0.36	ug/L			07/17/17 17:40	2
1,3,5-Trimethylbenzene	**0.63**	**J**	2.0	0.32	ug/L			07/17/17 17:40	2
1,3-Dichlorobenzene	ND		2.0	0.26	ug/L			07/17/17 17:40	2
1,3-Dichloropropane	ND		2.0	0.44	ug/L			07/17/17 17:40	2
1,4-Dichlorobenzene	**1.3**	**J**	2.0	0.32	ug/L			07/17/17 17:40	2
2,2-Dichloropropane	ND		2.0	0.36	ug/L			07/17/17 17:40	2
2-Butanone (MEK)	ND		12	4.0	ug/L			07/17/17 17:40	2

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

Client Sample ID: MW-12
Date Collected: 07/11/17 15:20
Date Received: 07/12/17 15:15

Lab Sample ID: 280-99137-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorotoluene	ND		2.0	0.34	ug/L			07/17/17 17:40	2
2-Hexanone	ND		10	3.4	ug/L			07/17/17 17:40	2
2-Pentanone	ND	*	10	2.0	ug/L			07/17/17 17:40	2
4-Chlorotoluene	ND		2.0	0.42	ug/L			07/17/17 17:40	2
4-Isopropyltoluene	**0.68**	J	2.0	0.40	ug/L			07/17/17 17:40	2
4-Methyl-2-pentanone (MIBK)	ND		10	2.0	ug/L			07/17/17 17:40	2
Acetone	**23**		20	3.8	ug/L			07/17/17 17:40	2
Acetonitrile	ND		60	19	ug/L			07/17/17 17:40	2
Benzene	**1.8**	J	2.0	0.32	ug/L			07/17/17 17:40	2
Bromobenzene	ND		2.0	0.34	ug/L			07/17/17 17:40	2
Bromoform	ND		2.0	0.38	ug/L			07/17/17 17:40	2
Bromomethane	ND		4.0	0.42	ug/L			07/17/17 17:40	2
Carbon tetrachloride	ND		2.0	0.38	ug/L			07/17/17 17:40	2
Chlorobenzene	ND		2.0	0.34	ug/L			07/17/17 17:40	2
Chlorobromomethane	ND		2.0	0.20	ug/L			07/17/17 17:40	2
Chlorodibromomethane	ND		2.0	0.34	ug/L			07/17/17 17:40	2
Chloroethane	ND		4.0	0.82	ug/L			07/17/17 17:40	2
Chloroform	ND		2.0	0.32	ug/L			07/17/17 17:40	2
Chloromethane	ND		4.0	0.60	ug/L			07/17/17 17:40	2
cis-1,2-Dichloroethene	**7.9**		2.0	0.30	ug/L			07/17/17 17:40	2
cis-1,3-Dichloropropene	ND		2.0	0.32	ug/L			07/17/17 17:40	2
Dibromomethane	ND		2.0	0.34	ug/L			07/17/17 17:40	2
Dichlorobromomethane	ND		2.0	0.34	ug/L			07/17/17 17:40	2
Dichlorodifluoromethane	ND		4.0	0.62	ug/L			07/17/17 17:40	2
Ethyl methacrylate	ND		6.0	1.7	ug/L			07/17/17 17:40	2
Ethylbenzene	**2.0**		2.0	0.32	ug/L			07/17/17 17:40	2
Hexachlorobutadiene	ND		2.0	0.72	ug/L			07/17/17 17:40	2
Isopropylbenzene	**0.75**	J	2.0	0.38	ug/L			07/17/17 17:40	2
Methyl tert-butyl ether	ND		10	0.50	ug/L			07/17/17 17:40	2
Methylene Chloride	ND		4.0	0.64	ug/L			07/17/17 17:40	2
m-Xylene & p-Xylene	**1.6**	J	4.0	0.68	ug/L			07/17/17 17:40	2
Naphthalene	**2.7**		2.0	0.44	ug/L			07/17/17 17:40	2
n-Butylbenzene	ND		2.0	0.64	ug/L			07/17/17 17:40	2
N-Propylbenzene	**0.63**	J	2.0	0.32	ug/L			07/17/17 17:40	2
o-Xylene	**2.2**		2.0	0.38	ug/L			07/17/17 17:40	2
sec-Butylbenzene	ND		2.0	0.34	ug/L			07/17/17 17:40	2
Styrene	ND		2.0	0.34	ug/L			07/17/17 17:40	2
tert-Butylbenzene	ND		2.0	0.32	ug/L			07/17/17 17:40	2
Tetrachloroethene	ND		2.0	0.40	ug/L			07/17/17 17:40	2
Tetrahydrofuran	**61**		14	4.1	ug/L			07/17/17 17:40	2
Toluene	**5.9**		2.0	0.34	ug/L			07/17/17 17:40	2
trans-1,2-Dichloroethene	ND		2.0	0.30	ug/L			07/17/17 17:40	2
trans-1,3-Dichloropropene	ND		6.0	0.38	ug/L			07/17/17 17:40	2
Trichloroethene	**10**		2.0	0.32	ug/L			07/17/17 17:40	2
Trichlorofluoromethane	ND		4.0	0.58	ug/L			07/17/17 17:40	2
Vinyl chloride	**21**		2.0	0.20	ug/L			07/17/17 17:40	2
Xylenes, Total	**3.8**	J	4.0	0.38	ug/L			07/17/17 17:40	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*70 - 127*		*07/17/17 17:40*	*2*

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

Client Sample ID: MW-12
Date Collected: 07/11/17 15:20
Date Received: 07/12/17 15:15

Lab Sample ID: 280-99137-5
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*78 - 120*		*07/17/17 17:40*	*2*
Dibromofluoromethane (Surr)	*88*		*77 - 120*		*07/17/17 17:40*	*2*
Toluene-d8 (Surr)	*94*		*80 - 125*		*07/17/17 17:40*	*2*

Client Sample ID: MW-1
Date Collected: 07/10/17 08:45
Date Received: 07/12/17 15:15

Lab Sample ID: 280-99137-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/17/17 18:03	1
1,1,1-Trichloroethane	ND		1.0	0.16	ug/L			07/17/17 18:03	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/17/17 18:03	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			07/17/17 18:03	1
1,1-Dichloroethane	ND		1.0	0.22	ug/L			07/17/17 18:03	1
1,1-Dichloroethene	ND		1.0	0.23	ug/L			07/17/17 18:03	1
1,1-Dichloropropene	ND		1.0	0.19	ug/L			07/17/17 18:03	1
1,2,3-Trichlorobenzene	ND		1.0	0.21	ug/L			07/17/17 18:03	1
1,2,3-Trichloropropane	ND		2.5	0.33	ug/L			07/17/17 18:03	1
1,2,4-Trichlorobenzene	ND		1.0	0.21	ug/L			07/17/17 18:03	1
1,2,4-Trimethylbenzene	ND		1.0	0.15	ug/L			07/17/17 18:03	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.47	ug/L			07/17/17 18:03	1
1,2-Dibromoethane	ND		1.0	0.18	ug/L			07/17/17 18:03	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			07/17/17 18:03	1
1,2-Dichloroethane	ND		1.0	0.13	ug/L			07/17/17 18:03	1
1,2-Dichloroethene, Total	ND		1.0	0.24	ug/L			07/17/17 18:03	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			07/17/17 18:03	1
1,3,5-Trimethylbenzene	ND		1.0	0.16	ug/L			07/17/17 18:03	1
1,3-Dichlorobenzene	ND		1.0	0.13	ug/L			07/17/17 18:03	1
1,3-Dichloropropane	ND		1.0	0.22	ug/L			07/17/17 18:03	1
1,4-Dichlorobenzene	ND		1.0	0.16	ug/L			07/17/17 18:03	1
2,2-Dichloropropane	ND		1.0	0.18	ug/L			07/17/17 18:03	1
2-Butanone (MEK)	ND		6.0	2.0	ug/L			07/17/17 18:03	1
2-Chlorotoluene	ND		1.0	0.17	ug/L			07/17/17 18:03	1
2-Hexanone	ND		5.0	1.7	ug/L			07/17/17 18:03	1
2-Pentanone	ND	*	5.0	1.0	ug/L			07/17/17 18:03	1
4-Chlorotoluene	ND		1.0	0.21	ug/L			07/17/17 18:03	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			07/17/17 18:03	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.98	ug/L			07/17/17 18:03	1
Acetone	32		10	1.9	ug/L			07/17/17 18:03	1
Acetonitrile	ND		30	9.6	ug/L			07/17/17 18:03	1
Benzene	ND		1.0	0.16	ug/L			07/17/17 18:03	1
Bromobenzene	ND		1.0	0.17	ug/L			07/17/17 18:03	1
Bromoform	ND		1.0	0.19	ug/L			07/17/17 18:03	1
Bromomethane	ND		2.0	0.21	ug/L			07/17/17 18:03	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/17/17 18:03	1
Chlorobenzene	ND		1.0	0.17	ug/L			07/17/17 18:03	1
Chlorobromomethane	ND		1.0	0.10	ug/L			07/17/17 18:03	1
Chlorodibromomethane	ND		1.0	0.17	ug/L			07/17/17 18:03	1
Chloroethane	ND		2.0	0.41	ug/L			07/17/17 18:03	1
Chloroform	ND		1.0	0.16	ug/L			07/17/17 18:03	1

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

Client Sample ID: MW-1
Date Collected: 07/10/17 08:45
Date Received: 07/12/17 15:15

Lab Sample ID: 280-99137-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		2.0	0.30	ug/L			07/17/17 18:03	1
cis-1,2-Dichloroethene	ND		1.0	0.15	ug/L			07/17/17 18:03	1
cis-1,3-Dichloropropene	ND		1.0	0.16	ug/L			07/17/17 18:03	1
Dibromomethane	ND		1.0	0.17	ug/L			07/17/17 18:03	1
Dichlorobromomethane	ND		1.0	0.17	ug/L			07/17/17 18:03	1
Dichlorodifluoromethane	ND		2.0	0.31	ug/L			07/17/17 18:03	1
Ethyl methacrylate	ND		3.0	0.86	ug/L			07/17/17 18:03	1
Ethylbenzene	ND		1.0	0.16	ug/L			07/17/17 18:03	1
Hexachlorobutadiene	ND		1.0	0.36	ug/L			07/17/17 18:03	1
Isopropylbenzene	ND		1.0	0.19	ug/L			07/17/17 18:03	1
Methyl tert-butyl ether	ND		5.0	0.25	ug/L			07/17/17 18:03	1
Methylene Chloride	ND		2.0	0.32	ug/L			07/17/17 18:03	1
m-Xylene & p-Xylene	ND		2.0	0.34	ug/L			07/17/17 18:03	1
Naphthalene	ND		1.0	0.22	ug/L			07/17/17 18:03	1
n-Butylbenzene	ND		1.0	0.32	ug/L			07/17/17 18:03	1
N-Propylbenzene	ND		1.0	0.16	ug/L			07/17/17 18:03	1
o-Xylene	ND		1.0	0.19	ug/L			07/17/17 18:03	1
sec-Butylbenzene	ND		1.0	0.17	ug/L			07/17/17 18:03	1
Styrene	ND		1.0	0.17	ug/L			07/17/17 18:03	1
tert-Butylbenzene	ND		1.0	0.16	ug/L			07/17/17 18:03	1
Tetrachloroethene	ND		1.0	0.20	ug/L			07/17/17 18:03	1
Tetrahydrofuran	ND		7.0	2.0	ug/L			07/17/17 18:03	1
Toluene	ND		1.0	0.17	ug/L			07/17/17 18:03	1
trans-1,2-Dichloroethene	ND		1.0	0.15	ug/L			07/17/17 18:03	1
trans-1,3-Dichloropropene	ND		3.0	0.19	ug/L			07/17/17 18:03	1
Trichloroethene	**0.24**	**J**	1.0	0.16	ug/L			07/17/17 18:03	1
Trichlorofluoromethane	ND		2.0	0.29	ug/L			07/17/17 18:03	1
Vinyl chloride	ND		1.0	0.10	ug/L			07/17/17 18:03	1
Xylenes, Total	ND		2.0	0.19	ug/L			07/17/17 18:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*70 - 127*		*07/17/17 18:03*	*1*
4-Bromofluorobenzene (Surr)	*93*		*78 - 120*		*07/17/17 18:03*	*1*
Dibromofluoromethane (Surr)	*88*		*77 - 120*		*07/17/17 18:03*	*1*
Toluene-d8 (Surr)	*94*		*80 - 125*		*07/17/17 18:03*	*1*

Client Sample ID: MW-16
Date Collected: 07/06/17 13:30
Date Received: 07/12/17 15:15

Lab Sample ID: 280-99137-7
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		100	21	ug/L			07/17/17 18:26	100
1,1,1-Trichloroethane	ND		100	16	ug/L			07/17/17 18:26	100
1,1,2,2-Tetrachloroethane	ND		100	21	ug/L			07/17/17 18:26	100
1,1,2-Trichloroethane	ND		100	27	ug/L			07/17/17 18:26	100
1,1-Dichloroethane	**95**	**J**	100	22	ug/L			07/17/17 18:26	100
1,1-Dichloroethene	**35**	**J**	100	23	ug/L			07/17/17 18:26	100
1,1-Dichloropropene	ND		100	19	ug/L			07/17/17 18:26	100
1,2,3-Trichlorobenzene	ND		100	21	ug/L			07/17/17 18:26	100
1,2,3-Trichloropropane	ND		250	33	ug/L			07/17/17 18:26	100
1,2,4-Trichlorobenzene	ND		100	21	ug/L			07/17/17 18:26	100

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

Client Sample ID: MW-16
Date Collected: 07/06/17 13:30
Date Received: 07/12/17 15:15

Lab Sample ID: 280-99137-7
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		100	15	ug/L			07/17/17 18:26	100
1,2-Dibromo-3-Chloropropane	ND		500	47	ug/L			07/17/17 18:26	100
1,2-Dibromoethane	ND		100	18	ug/L			07/17/17 18:26	100
1,2-Dichlorobenzene	ND		100	15	ug/L			07/17/17 18:26	100
1,2-Dichloroethane	ND		100	13	ug/L			07/17/17 18:26	100
1,2-Dichloroethene, Total	**1900**		100	24	ug/L			07/17/17 18:26	100
1,2-Dichloropropane	ND		100	18	ug/L			07/17/17 18:26	100
1,3,5-Trimethylbenzene	ND		100	16	ug/L			07/17/17 18:26	100
1,3-Dichlorobenzene	ND		100	13	ug/L			07/17/17 18:26	100
1,3-Dichloropropane	ND		100	22	ug/L			07/17/17 18:26	100
1,4-Dichlorobenzene	ND		100	16	ug/L			07/17/17 18:26	100
2,2-Dichloropropane	ND		100	18	ug/L			07/17/17 18:26	100
2-Butanone (MEK)	ND		600	200	ug/L			07/17/17 18:26	100
2-Chlorotoluene	ND		100	17	ug/L			07/17/17 18:26	100
2-Hexanone	ND		500	170	ug/L			07/17/17 18:26	100
2-Pentanone	ND	*	500	100	ug/L			07/17/17 18:26	100
4-Chlorotoluene	ND		100	21	ug/L			07/17/17 18:26	100
4-Isopropyltoluene	ND	F2	100	20	ug/L			07/17/17 18:26	100
4-Methyl-2-pentanone (MIBK)	ND		500	98	ug/L			07/17/17 18:26	100
Acetone	ND		1000	190	ug/L			07/17/17 18:26	100
Acetonitrile	ND		3000	960	ug/L			07/17/17 18:26	100
Benzene	ND		100	16	ug/L			07/17/17 18:26	100
Bromobenzene	ND		100	17	ug/L			07/17/17 18:26	100
Bromoform	ND		100	19	ug/L			07/17/17 18:26	100
Bromomethane	ND		200	21	ug/L			07/17/17 18:26	100
Carbon tetrachloride	ND		100	19	ug/L			07/17/17 18:26	100
Chlorobenzene	ND		100	17	ug/L			07/17/17 18:26	100
Chlorobromomethane	ND		100	10	ug/L			07/17/17 18:26	100
Chlorodibromomethane	ND		100	17	ug/L			07/17/17 18:26	100
Chloroethane	ND		200	41	ug/L			07/17/17 18:26	100
Chloroform	ND		100	16	ug/L			07/17/17 18:26	100
Chloromethane	ND		200	30	ug/L			07/17/17 18:26	100
cis-1,2-Dichloroethene	**1900**		100	15	ug/L			07/17/17 18:26	100
cis-1,3-Dichloropropene	ND		100	16	ug/L			07/17/17 18:26	100
Dibromomethane	ND		100	17	ug/L			07/17/17 18:26	100
Dichlorobromomethane	ND		100	17	ug/L			07/17/17 18:26	100
Dichlorodifluoromethane	**70**	J	200	31	ug/L			07/17/17 18:26	100
Ethyl methacrylate	ND		300	86	ug/L			07/17/17 18:26	100
Ethylbenzene	ND		100	16	ug/L			07/17/17 18:26	100
Hexachlorobutadiene	ND		100	36	ug/L			07/17/17 18:26	100
Isopropylbenzene	ND		100	19	ug/L			07/17/17 18:26	100
Methyl tert-butyl ether	ND		500	25	ug/L			07/17/17 18:26	100
Methylene Chloride	ND		200	32	ug/L			07/17/17 18:26	100
m-Xylene & p-Xylene	ND		200	34	ug/L			07/17/17 18:26	100
Naphthalene	ND		100	22	ug/L			07/17/17 18:26	100
n-Butylbenzene	ND		100	32	ug/L			07/17/17 18:26	100
N-Propylbenzene	ND		100	16	ug/L			07/17/17 18:26	100
o-Xylene	ND		100	19	ug/L			07/17/17 18:26	100
sec-Butylbenzene	ND		100	17	ug/L			07/17/17 18:26	100

Client Sample Results

Client: Stewart Environmental Consultants Inc
Project/Site: Analytical Testing

TestAmerica Job ID: 280-99137-1

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

Client Sample ID: MW-16
Date Collected: 07/06/17 13:30
Date Received: 07/12/17 15:15

Lab Sample ID: 280-99137-7
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		100	17	ug/L			07/17/17 18:26	100
tert-Butylbenzene	ND		100	16	ug/L			07/17/17 18:26	100
Tetrachloroethene	ND		100	20	ug/L			07/17/17 18:26	100
Tetrahydrofuran	**530**	J	700	200	ug/L			07/17/17 18:26	100
Toluene	ND		100	17	ug/L			07/17/17 18:26	100
trans-1,2-Dichloroethene	**33**	J	100	15	ug/L			07/17/17 18:26	100
trans-1,3-Dichloropropene	ND		300	19	ug/L			07/17/17 18:26	100
Trichloroethene	**3200**		100	16	ug/L			07/17/17 18:26	100
Trichlorofluoromethane	ND		200	29	ug/L			07/17/17 18:26	100
Vinyl chloride	**300**		100	10	ug/L			07/17/17 18:26	100
Xylenes, Total	ND		200	19	ug/L			07/17/17 18:26	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*70 - 127*		*07/17/17 18:26*	*100*
4-Bromofluorobenzene (Surr)	*99*		*78 - 120*		*07/17/17 18:26*	*100*
Dibromofluoromethane (Surr)	*91*		*77 - 120*		*07/17/17 18:26*	*100*
Toluene-d8 (Surr)	*101*		*80 - 125*		*07/17/17 18:26*	*100*

Surrogate Summary

Client: Stewart Environmental Consultants Inc
Project/Site: Analytical Testing

TestAmerica Job ID: 280-99137-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	12DCE (70-127)	BFB (78-120)	DBFM (77-120)	TOL (80-125)
280-99137-1	MW-6	91	91	89	96
280-99137-2	MW-15	95	96	92	98
280-99137-3	MW-11	94	92	92	96
280-99137-4	MW-3	94	94	89	96
280-99137-5	MW-12	90	93	88	94
280-99137-6	MW-1	89	93	88	94
280-99137-7	MW-16	91	99	91	101
280-99137-7 MS	MW-16	92	91	89	101
280-99137-7 MSD	MW-16	90	97	91	106
LCS 280-380948/4	Lab Control Sample	90	90	86	103
LCSD 280-380948/5	Lab Control Sample Dup	92	102	90	107
MB 280-380948/6	Method Blank	86	94	88	95

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

QC Sample Results

Client: Stewart Environmental Consultants Inc
Project/Site: Analytical Testing

TestAmerica Job ID: 280-99137-1

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

Lab Sample ID: MB 280-380948/6
Matrix: Water
Analysis Batch: 380948

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/17/17 08:56	1
1,1,1-Trichloroethane	ND		1.0	0.16	ug/L			07/17/17 08:56	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/17/17 08:56	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			07/17/17 08:56	1
1,1-Dichloroethane	ND		1.0	0.22	ug/L			07/17/17 08:56	1
1,1-Dichloroethene	ND		1.0	0.23	ug/L			07/17/17 08:56	1
1,1-Dichloropropene	ND		1.0	0.19	ug/L			07/17/17 08:56	1
1,2,3-Trichlorobenzene	ND		1.0	0.21	ug/L			07/17/17 08:56	1
1,2,3-Trichloropropane	ND		2.5	0.33	ug/L			07/17/17 08:56	1
1,2,4-Trichlorobenzene	ND		1.0	0.21	ug/L			07/17/17 08:56	1
1,2,4-Trimethylbenzene	ND		1.0	0.15	ug/L			07/17/17 08:56	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.47	ug/L			07/17/17 08:56	1
1,2-Dibromoethane	ND		1.0	0.18	ug/L			07/17/17 08:56	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			07/17/17 08:56	1
1,2-Dichloroethane	ND		1.0	0.13	ug/L			07/17/17 08:56	1
1,2-Dichloroethene, Total	ND		1.0	0.24	ug/L			07/17/17 08:56	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			07/17/17 08:56	1
1,3,5-Trimethylbenzene	ND		1.0	0.16	ug/L			07/17/17 08:56	1
1,3-Dichlorobenzene	ND		1.0	0.13	ug/L			07/17/17 08:56	1
1,3-Dichloropropane	ND		1.0	0.22	ug/L			07/17/17 08:56	1
1,4-Dichlorobenzene	ND		1.0	0.16	ug/L			07/17/17 08:56	1
2,2-Dichloropropane	ND		1.0	0.18	ug/L			07/17/17 08:56	1
2-Butanone (MEK)	ND		6.0	2.0	ug/L			07/17/17 08:56	1
2-Chlorotoluene	ND		1.0	0.17	ug/L			07/17/17 08:56	1
2-Hexanone	ND		5.0	1.7	ug/L			07/17/17 08:56	1
2-Pentanone	ND		5.0	1.0	ug/L			07/17/17 08:56	1
4-Chlorotoluene	ND		1.0	0.21	ug/L			07/17/17 08:56	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			07/17/17 08:56	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.98	ug/L			07/17/17 08:56	1
Acetone	ND		10	1.9	ug/L			07/17/17 08:56	1
Acetonitrile	ND		30	9.6	ug/L			07/17/17 08:56	1
Benzene	ND		1.0	0.16	ug/L			07/17/17 08:56	1
Bromobenzene	ND		1.0	0.17	ug/L			07/17/17 08:56	1
Bromoform	ND		1.0	0.19	ug/L			07/17/17 08:56	1
Bromomethane	ND		2.0	0.21	ug/L			07/17/17 08:56	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/17/17 08:56	1
Chlorobenzene	ND		1.0	0.17	ug/L			07/17/17 08:56	1
Chlorobromomethane	ND		1.0	0.10	ug/L			07/17/17 08:56	1
Chlorodibromomethane	ND		1.0	0.17	ug/L			07/17/17 08:56	1
Chloroethane	ND		2.0	0.41	ug/L			07/17/17 08:56	1
Chloroform	ND		1.0	0.16	ug/L			07/17/17 08:56	1
Chloromethane	ND		2.0	0.30	ug/L			07/17/17 08:56	1
cis-1,2-Dichloroethene	ND		1.0	0.15	ug/L			07/17/17 08:56	1
cis-1,3-Dichloropropene	ND		1.0	0.16	ug/L			07/17/17 08:56	1
Dibromomethane	ND		1.0	0.17	ug/L			07/17/17 08:56	1
Dichlorobromomethane	ND		1.0	0.17	ug/L			07/17/17 08:56	1
Dichlorodifluoromethane	ND		2.0	0.31	ug/L			07/17/17 08:56	1
Ethyl methacrylate	ND		3.0	0.86	ug/L			07/17/17 08:56	1

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

Lab Sample ID: MB 280-380948/6
Matrix: Water
Analysis Batch: 380948

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.16	ug/L			07/17/17 08:56	1
Hexachlorobutadiene	ND		1.0	0.36	ug/L			07/17/17 08:56	1
Isopropylbenzene	ND		1.0	0.19	ug/L			07/17/17 08:56	1
Methyl tert-butyl ether	ND		5.0	0.25	ug/L			07/17/17 08:56	1
Methylene Chloride	ND		2.0	0.32	ug/L			07/17/17 08:56	1
m-Xylene & p-Xylene	ND		2.0	0.34	ug/L			07/17/17 08:56	1
Naphthalene	ND		1.0	0.22	ug/L			07/17/17 08:56	1
n-Butylbenzene	ND		1.0	0.32	ug/L			07/17/17 08:56	1
N-Propylbenzene	ND		1.0	0.16	ug/L			07/17/17 08:56	1
o-Xylene	ND		1.0	0.19	ug/L			07/17/17 08:56	1
sec-Butylbenzene	ND		1.0	0.17	ug/L			07/17/17 08:56	1
Styrene	ND		1.0	0.17	ug/L			07/17/17 08:56	1
tert-Butylbenzene	ND		1.0	0.16	ug/L			07/17/17 08:56	1
Tetrachloroethene	ND		1.0	0.20	ug/L			07/17/17 08:56	1
Tetrahydrofuran	ND		7.0	2.0	ug/L			07/17/17 08:56	1
Toluene	ND		1.0	0.17	ug/L			07/17/17 08:56	1
trans-1,2-Dichloroethene	ND		1.0	0.15	ug/L			07/17/17 08:56	1
trans-1,3-Dichloropropene	ND		3.0	0.19	ug/L			07/17/17 08:56	1
Trichloroethene	ND		1.0	0.16	ug/L			07/17/17 08:56	1
Trichlorofluoromethane	ND		2.0	0.29	ug/L			07/17/17 08:56	1
Vinyl chloride	ND		1.0	0.10	ug/L			07/17/17 08:56	1
Xylenes, Total	ND		2.0	0.19	ug/L			07/17/17 08:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*86*		*70 - 127*		*07/17/17 08:56*	*1*
4-Bromofluorobenzene (Surr)	*94*		*78 - 120*		*07/17/17 08:56*	*1*
Dibromofluoromethane (Surr)	*88*		*77 - 120*		*07/17/17 08:56*	*1*
Toluene-d8 (Surr)	*95*		*80 - 125*		*07/17/17 08:56*	*1*

Lab Sample ID: LCS 280-380948/4
Matrix: Water
Analysis Batch: 380948

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	5.00	5.28		ug/L		106	65 - 135
1,1,1-Trichloroethane	5.00	4.99		ug/L		100	65 - 135
1,1,2,2-Tetrachloroethane	5.00	4.58		ug/L		92	58 - 135
1,1,2-Trichloroethane	5.00	5.18		ug/L		104	64 - 135
1,1-Dichloroethane	5.00	5.09		ug/L		102	65 - 135
1,1-Dichloroethene	5.00	5.26		ug/L		105	65 - 136
1,1-Dichloropropene	5.00	5.78		ug/L		116	65 - 135
1,2,3-Trichlorobenzene	5.00	5.41		ug/L		108	60 - 135
1,2,3-Trichloropropane	5.00	4.96		ug/L		99	65 - 135
1,2,4-Trichlorobenzene	5.00	4.87		ug/L		97	58 - 135
1,2,4-Trimethylbenzene	5.00	4.76		ug/L		95	65 - 135
1,2-Dibromo-3-Chloropropane	5.00	4.90	J	ug/L		98	57 - 135
1,2-Dibromoethane	5.00	5.23		ug/L		105	65 - 135
1,2-Dichlorobenzene	5.00	5.19		ug/L		104	65 - 135

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

Lab Sample ID: LCS 280-380948/4
Matrix: Water
Analysis Batch: 380948

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloroethane	5.00	5.07		ug/L		101	65 - 135
1,2-Dichloroethene, Total	10.0	10.9		ug/L		109	65 - 135
1,2-Dichloropropane	5.00	5.30		ug/L		106	64 - 135
1,3,5-Trimethylbenzene	5.00	4.93		ug/L		99	65 - 135
1,3-Dichlorobenzene	5.00	4.90		ug/L		98	65 - 135
1,3-Dichloropropane	5.00	5.16		ug/L		103	64 - 135
1,4-Dichlorobenzene	5.00	5.07		ug/L		101	65 - 135
2,2-Dichloropropane	5.00	5.84		ug/L		117	65 - 135
2-Butanone (MEK)	20.0	17.0		ug/L		85	44 - 177
2-Chlorotoluene	5.00	5.10		ug/L		102	65 - 135
2-Hexanone	20.0	17.8		ug/L		89	57 - 139
2-Pentanone	20.0	30.8	*	ug/L		154	24 - 135
4-Chlorotoluene	5.00	4.92		ug/L		98	65 - 135
4-Isopropyltoluene	5.00	4.83		ug/L		97	65 - 135
4-Methyl-2-pentanone (MIBK)	20.0	20.4		ug/L		102	60 - 150
Acetone	20.0	16.7		ug/L		83	39 - 156
Benzene	5.00	5.49		ug/L		110	65 - 135
Bromobenzene	5.00	4.95		ug/L		99	65 - 135
Bromoform	5.00	4.80		ug/L		96	62 - 135
Bromomethane	5.00	4.52		ug/L		90	45 - 135
Carbon tetrachloride	5.00	5.10		ug/L		102	65 - 135
Chlorobenzene	5.00	5.14		ug/L		103	65 - 135
Chlorobromomethane	5.00	5.49		ug/L		110	65 - 135
Chlorodibromomethane	5.00	4.98		ug/L		100	65 - 135
Chloroethane	5.00	4.47		ug/L		89	46 - 136
Chloroform	5.00	5.03		ug/L		101	65 - 135
Chloromethane	5.00	5.16		ug/L		103	34 - 145
cis-1,2-Dichloroethene	5.00	5.35		ug/L		107	65 - 135
cis-1,3-Dichloropropene	5.00	5.23		ug/L		105	65 - 135
Dibromomethane	5.00	5.31		ug/L		106	65 - 135
Dichlorobromomethane	5.00	5.16		ug/L		103	65 - 135
Dichlorodifluoromethane	5.00	5.88		ug/L		118	43 - 142
Ethylbenzene	5.00	5.32		ug/L		106	65 - 135
Hexachlorobutadiene	5.00	4.81		ug/L		96	65 - 135
Isopropylbenzene	5.00	4.96		ug/L		99	65 - 135
Methyl tert-butyl ether	5.00	5.19		ug/L		104	54 - 135
Methylene Chloride	5.00	4.95		ug/L		99	54 - 141
m-Xylene & p-Xylene	5.00	5.15		ug/L		103	65 - 135
Naphthalene	5.00	4.77		ug/L		95	42 - 135
n-Butylbenzene	5.00	4.88		ug/L		98	64 - 135
N-Propylbenzene	5.00	5.02		ug/L		100	65 - 135
o-Xylene	5.00	5.39		ug/L		108	65 - 135
sec-Butylbenzene	5.00	5.00		ug/L		100	64 - 135
Styrene	5.00	5.12		ug/L		102	65 - 135
tert-Butylbenzene	5.00	4.85		ug/L		97	65 - 135
Tetrachloroethene	5.00	5.39		ug/L		108	65 - 135
Toluene	5.00	5.50		ug/L		110	65 - 135
trans-1,2-Dichloroethene	5.00	5.58		ug/L		112	65 - 135

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

Lab Sample ID: LCS 280-380948/4
Matrix: Water
Analysis Batch: 380948

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
trans-1,3-Dichloropropene	5.00	5.28		ug/L		106	65 - 135
Trichloroethene	5.00	5.43		ug/L		109	65 - 135
Trichlorofluoromethane	5.00	4.36		ug/L		87	53 - 137
Vinyl chloride	5.00	4.59		ug/L		92	40 - 137
Xylenes, Total	10.0	10.5		ug/L		105	65 - 135

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*90*		*70 - 127*
4-Bromofluorobenzene (Surr)	*90*		*78 - 120*
Dibromofluoromethane (Surr)	*86*		*77 - 120*
Toluene-d8 (Surr)	*103*		*80 - 125*

Lab Sample ID: LCSD 280-380948/5
Matrix: Water
Analysis Batch: 380948

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	5.00	5.39		ug/L		108	65 - 135	2	20
1,1,1-Trichloroethane	5.00	5.28		ug/L		106	65 - 135	6	20
1,1,2,2-Tetrachloroethane	5.00	4.71		ug/L		94	58 - 135	3	20
1,1,2-Trichloroethane	5.00	5.29		ug/L		106	64 - 135	2	27
1,1-Dichloroethane	5.00	5.37		ug/L		107	65 - 135	5	21
1,1-Dichloroethene	5.00	5.56		ug/L		111	65 - 136	6	20
1,1-Dichloropropene	5.00	6.01		ug/L		120	65 - 135	4	21
1,2,3-Trichlorobenzene	5.00	5.16		ug/L		103	60 - 135	5	36
1,2,3-Trichloropropane	5.00	4.84		ug/L		97	65 - 135	2	23
1,2,4-Trichlorobenzene	5.00	5.11		ug/L		102	58 - 135	5	25
1,2,4-Trimethylbenzene	5.00	5.07		ug/L		101	65 - 135	6	20
1,2-Dibromo-3-Chloropropane	5.00	4.86	J	ug/L		97	57 - 135	1	22
1,2-Dibromoethane	5.00	5.23		ug/L		105	65 - 135	0	27
1,2-Dichlorobenzene	5.00	5.19		ug/L		104	65 - 135	0	20
1,2-Dichloroethane	5.00	5.13		ug/L		103	65 - 135	1	20
1,2-Dichloroethene, Total	10.0	11.3		ug/L		113	65 - 135	4	20
1,2-Dichloropropane	5.00	5.51		ug/L		110	64 - 135	4	20
1,3,5-Trimethylbenzene	5.00	5.24		ug/L		105	65 - 135	6	20
1,3-Dichlorobenzene	5.00	5.14		ug/L		103	65 - 135	5	20
1,3-Dichloropropane	5.00	5.21		ug/L		104	64 - 135	1	20
1,4-Dichlorobenzene	5.00	5.30		ug/L		106	65 - 135	5	23
2,2-Dichloropropane	5.00	5.76		ug/L		115	65 - 135	1	20
2-Butanone (MEK)	20.0	16.8		ug/L		84	44 - 177	1	32
2-Chlorotoluene	5.00	5.40		ug/L		108	65 - 135	6	20
2-Hexanone	20.0	18.1		ug/L		91	57 - 139	2	25
2-Pentanone	20.0	32.0	*	ug/L		160	24 - 135	4	26
4-Chlorotoluene	5.00	5.23		ug/L		105	65 - 135	6	20
4-Isopropyltoluene	5.00	5.05		ug/L		101	65 - 135	5	20
4-Methyl-2-pentanone (MIBK)	20.0	20.8		ug/L		104	60 - 150	2	22
Acetone	20.0	16.5		ug/L		82	39 - 156	1	23
Benzene	5.00	5.67		ug/L		113	65 - 135	3	20

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

Lab Sample ID: LCSD 280-380948/5
Matrix: Water
Analysis Batch: 380948

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromobenzene	5.00	5.20		ug/L		104	65 - 135	5	26
Bromoform	5.00	4.84		ug/L		97	62 - 135	1	27
Bromomethane	5.00	5.01		ug/L		100	45 - 135	10	33
Carbon tetrachloride	5.00	5.53		ug/L		111	65 - 135	8	21
Chlorobenzene	5.00	5.38		ug/L		108	65 - 135	5	20
Chlorobromomethane	5.00	5.60		ug/L		112	65 - 135	2	29
Chlorodibromomethane	5.00	4.71		ug/L		94	65 - 135	5	20
Chloroethane	5.00	4.84		ug/L		97	46 - 136	8	25
Chloroform	5.00	5.23		ug/L		105	65 - 135	4	20
Chloromethane	5.00	5.48		ug/L		110	34 - 145	6	24
cis-1,2-Dichloroethene	5.00	5.55		ug/L		111	65 - 135	4	20
cis-1,3-Dichloropropene	5.00	5.34		ug/L		107	65 - 135	2	26
Dibromomethane	5.00	5.29		ug/L		106	65 - 135	1	26
Dichlorobromomethane	5.00	5.24		ug/L		105	65 - 135	2	20
Dichlorodifluoromethane	5.00	6.38		ug/L		128	43 - 142	8	30
Ethylbenzene	5.00	5.64		ug/L		113	65 - 135	6	20
Hexachlorobutadiene	5.00	5.17		ug/L		103	65 - 135	7	25
Isopropylbenzene	5.00	5.32		ug/L		106	65 - 135	7	20
Methyl tert-butyl ether	5.00	5.14		ug/L		103	54 - 135	1	21
Methylene Chloride	5.00	5.02		ug/L		100	54 - 141	1	26
m-Xylene & p-Xylene	5.00	5.65		ug/L		113	65 - 135	9	20
Naphthalene	5.00	5.01		ug/L		100	42 - 135	5	23
n-Butylbenzene	5.00	5.19		ug/L		104	64 - 135	6	21
N-Propylbenzene	5.00	5.30		ug/L		106	65 - 135	5	20
o-Xylene	5.00	5.55		ug/L		111	65 - 135	3	20
sec-Butylbenzene	5.00	5.37		ug/L		107	64 - 135	7	21
Styrene	5.00	5.30		ug/L		106	65 - 135	4	26
tert-Butylbenzene	5.00	5.20		ug/L		104	65 - 135	7	21
Tetrachloroethene	5.00	5.59		ug/L		112	65 - 135	4	20
Toluene	5.00	5.74		ug/L		115	65 - 135	4	20
trans-1,2-Dichloroethene	5.00	5.79		ug/L		116	65 - 135	4	24
trans-1,3-Dichloropropene	5.00	5.19		ug/L		104	65 - 135	2	26
Trichloroethene	5.00	5.71		ug/L		114	65 - 135	5	20
Trichlorofluoromethane	5.00	4.75		ug/L		95	53 - 137	8	27
Vinyl chloride	5.00	4.89		ug/L		98	40 - 137	6	24
Xylenes, Total	10.0	11.2		ug/L		112	65 - 135	6	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*92*		*70 - 127*
4-Bromofluorobenzene (Surr)	*102*		*78 - 120*
Dibromofluoromethane (Surr)	*90*		*77 - 120*
Toluene-d8 (Surr)	*107*		*80 - 125*

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

Lab Sample ID: 280-99137-7 MS
Matrix: Water
Analysis Batch: 380948

Client Sample ID: MW-16
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	ND		500	459		ug/L		92	65 - 135
1,1,1-Trichloroethane	ND		500	435		ug/L		87	65 - 135
1,1,2,2-Tetrachloroethane	ND		500	429		ug/L		86	58 - 135
1,1,2-Trichloroethane	ND		500	493		ug/L		99	64 - 135
1,1-Dichloroethane	95	J	500	556		ug/L		92	65 - 135
1,1-Dichloroethene	35	J	500	486		ug/L		90	65 - 136
1,1-Dichloropropene	ND		500	492		ug/L		98	65 - 135
1,2,3-Trichlorobenzene	ND		500	423		ug/L		85	60 - 135
1,2,3-Trichloropropane	ND		500	453		ug/L		91	65 - 135
1,2,4-Trichlorobenzene	ND		500	411		ug/L		82	58 - 135
1,2,4-Trimethylbenzene	ND		500	410		ug/L		82	65 - 135
1,2-Dibromo-3-Chloropropane	ND		500	452	J	ug/L		90	57 - 135
1,2-Dibromoethane	ND		500	462		ug/L		92	65 - 135
1,2-Dichlorobenzene	ND		500	432		ug/L		86	65 - 135
1,2-Dichloroethane	ND		500	464		ug/L		93	65 - 135
1,2-Dichloroethene, Total	1900		1000	2840		ug/L		91	65 - 135
1,2-Dichloropropane	ND		500	477		ug/L		95	64 - 135
1,3,5-Trimethylbenzene	ND		500	425		ug/L		85	65 - 135
1,3-Dichlorobenzene	ND		500	407		ug/L		81	65 - 135
1,3-Dichloropropane	ND		500	452		ug/L		90	64 - 135
1,4-Dichlorobenzene	ND		500	450		ug/L		90	65 - 135
2,2-Dichloropropane	ND		500	441		ug/L		88	65 - 135
2-Butanone (MEK)	ND		2000	1850		ug/L		92	44 - 177
2-Chlorotoluene	ND		500	440		ug/L		88	65 - 135
2-Hexanone	ND		2000	1810		ug/L		90	57 - 139
2-Pentanone	ND	*	2000	1850		ug/L		92	24 - 135
4-Chlorotoluene	ND		500	432		ug/L		86	65 - 135
4-Isopropyltoluene	ND	F2	500	406		ug/L		81	65 - 135
4-Methyl-2-pentanone (MIBK)	ND		2000	2150		ug/L		107	60 - 150
Acetone	ND		2000	1740		ug/L		87	39 - 156
Benzene	ND		500	489		ug/L		98	65 - 135
Bromobenzene	ND		500	437		ug/L		87	65 - 135
Bromoform	ND		500	424		ug/L		85	62 - 135
Bromomethane	ND		500	433		ug/L		87	45 - 135
Carbon tetrachloride	ND		500	439		ug/L		88	65 - 135
Chlorobenzene	ND		500	451		ug/L		90	65 - 135
Chlorobromomethane	ND		500	507		ug/L		101	65 - 135
Chlorodibromomethane	ND		500	416		ug/L		83	65 - 135
Chloroethane	ND		500	443		ug/L		89	46 - 136
Chloroform	ND		500	452		ug/L		90	65 - 135
Chloromethane	ND		500	484		ug/L		97	34 - 145
cis-1,2-Dichloroethene	1900		500	2330		ug/L		83	65 - 135
cis-1,3-Dichloropropene	ND		500	449		ug/L		90	65 - 135
Dibromomethane	ND		500	480		ug/L		96	65 - 135
Dichlorobromomethane	ND		500	483		ug/L		97	65 - 135
Dichlorodifluoromethane	70	J	500	581		ug/L		102	43 - 142
Ethylbenzene	ND		500	455		ug/L		91	65 - 135
Hexachlorobutadiene	ND		500	398		ug/L		80	65 - 135

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

Lab Sample ID: 280-99137-7 MS
Matrix: Water
Analysis Batch: 380948

Client Sample ID: MW-16
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Isopropylbenzene	ND		500	420		ug/L		84	65 - 135
Methyl tert-butyl ether	ND		500	480	J	ug/L		96	54 - 135
Methylene Chloride	ND		500	447		ug/L		89	54 - 141
m-Xylene & p-Xylene	ND		500	445		ug/L		89	65 - 135
Naphthalene	ND		500	425		ug/L		85	42 - 135
n-Butylbenzene	ND		500	405		ug/L		81	64 - 135
N-Propylbenzene	ND		500	429		ug/L		86	65 - 135
o-Xylene	ND		500	464		ug/L		93	65 - 135
sec-Butylbenzene	ND		500	421		ug/L		84	64 - 135
Styrene	ND		500	441		ug/L		88	65 - 135
tert-Butylbenzene	ND		500	416		ug/L		83	65 - 135
Tetrachloroethene	ND		500	448		ug/L		90	65 - 135
Toluene	ND		500	482		ug/L		96	65 - 135
trans-1,2-Dichloroethene	33	J	500	513		ug/L		96	65 - 135
trans-1,3-Dichloropropene	ND		500	459		ug/L		92	65 - 135
Trichloroethene	3200		500	3510	4	ug/L		61	65 - 135
Trichlorofluoromethane	ND		500	410		ug/L		82	53 - 137
Vinyl chloride	300		500	709		ug/L		82	40 - 137
Xylenes, Total	ND		1000	909		ug/L		91	65 - 135

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*92*		*70 - 127*
4-Bromofluorobenzene (Surr)	*91*		*78 - 120*
Dibromofluoromethane (Surr)	*89*		*77 - 120*
Toluene-d8 (Surr)	*101*		*80 - 125*

Lab Sample ID: 280-99137-7 MSD
Matrix: Water
Analysis Batch: 380948

Client Sample ID: MW-16
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND		500	521		ug/L		104	65 - 135	12	20
1,1,1-Trichloroethane	ND		500	492		ug/L		98	65 - 135	12	20
1,1,2,2-Tetrachloroethane	ND		500	471		ug/L		94	58 - 135	9	20
1,1,2-Trichloroethane	ND		500	536		ug/L		107	64 - 135	8	27
1,1-Dichloroethane	95	J	500	618		ug/L		105	65 - 135	11	21
1,1-Dichloroethene	35	J	500	540		ug/L		101	65 - 136	10	20
1,1-Dichloropropene	ND		500	547		ug/L		109	65 - 135	11	21
1,2,3-Trichlorobenzene	ND		500	523		ug/L		105	60 - 135	21	36
1,2,3-Trichloropropane	ND		500	483		ug/L		97	65 - 135	6	23
1,2,4-Trichlorobenzene	ND		500	508		ug/L		102	58 - 135	21	25
1,2,4-Trimethylbenzene	ND		500	485		ug/L		97	65 - 135	17	20
1,2-Dibromo-3-Chloropropane	ND		500	497	J	ug/L		99	57 - 135	10	22
1,2-Dibromoethane	ND		500	505		ug/L		101	65 - 135	9	27
1,2-Dichlorobenzene	ND		500	499		ug/L		100	65 - 135	14	20
1,2-Dichloroethane	ND		500	493		ug/L		99	65 - 135	6	20
1,2-Dichloroethene, Total	1900		1000	2970		ug/L		104	65 - 135	4	20
1,2-Dichloropropane	ND		500	535		ug/L		107	64 - 135	12	20

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

Lab Sample ID: 280-99137-7 MSD
Matrix: Water
Analysis Batch: 380948

Client Sample ID: MW-16
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,3,5-Trimethylbenzene	ND		500	494		ug/L		99	65 - 135	15	20
1,3-Dichlorobenzene	ND		500	462		ug/L		92	65 - 135	13	20
1,3-Dichloropropane	ND		500	495		ug/L		99	64 - 135	9	20
1,4-Dichlorobenzene	ND		500	520		ug/L		104	65 - 135	14	23
2,2-Dichloropropane	ND		500	491		ug/L		98	65 - 135	11	20
2-Butanone (MEK)	ND		2000	1910		ug/L		96	44 - 177	4	32
2-Chlorotoluene	ND		500	506		ug/L		101	65 - 135	14	20
2-Hexanone	ND		2000	1910		ug/L		96	57 - 139	6	25
2-Pentanone	ND	*	2000	1910		ug/L		95	24 - 135	3	26
4-Chlorotoluene	ND		500	482		ug/L		96	65 - 135	11	20
4-Isopropyltoluene	ND	F2	500	506	F2	ug/L		101	65 - 135	22	20
4-Methyl-2-pentanone (MIBK)	ND		2000	2230		ug/L		112	60 - 150	4	22
Acetone	ND		2000	1710		ug/L		86	39 - 156	2	23
Benzene	ND		500	543		ug/L		109	65 - 135	10	20
Bromobenzene	ND		500	499		ug/L		100	65 - 135	13	26
Bromoform	ND		500	468		ug/L		94	62 - 135	10	27
Bromomethane	ND		500	478		ug/L		96	45 - 135	10	33
Carbon tetrachloride	ND		500	484		ug/L		97	65 - 135	10	21
Chlorobenzene	ND		500	506		ug/L		101	65 - 135	11	20
Chlorobromomethane	ND		500	545		ug/L		109	65 - 135	7	29
Chlorodibromomethane	ND		500	485		ug/L		97	65 - 135	15	20
Chloroethane	ND		500	494		ug/L		99	46 - 136	11	25
Chloroform	ND		500	513		ug/L		103	65 - 135	12	20
Chloromethane	ND		500	547		ug/L		109	34 - 145	12	24
cis-1,2-Dichloroethene	1900		500	2400		ug/L		97	65 - 135	3	20
cis-1,3-Dichloropropene	ND		500	509		ug/L		102	65 - 135	13	26
Dibromomethane	ND		500	520		ug/L		104	65 - 135	8	26
Dichlorobromomethane	ND		500	515		ug/L		103	65 - 135	6	20
Dichlorodifluoromethane	70	J	500	636		ug/L		113	43 - 142	9	30
Ethylbenzene	ND		500	526		ug/L		105	65 - 135	14	20
Hexachlorobutadiene	ND		500	486		ug/L		97	65 - 135	20	25
Isopropylbenzene	ND		500	492		ug/L		98	65 - 135	16	20
Methyl tert-butyl ether	ND		500	514		ug/L		103	54 - 135	7	21
Methylene Chloride	ND		500	505		ug/L		101	54 - 141	12	26
m-Xylene & p-Xylene	ND		500	510		ug/L		102	65 - 135	14	20
Naphthalene	ND		500	509		ug/L		102	42 - 135	18	23
n-Butylbenzene	ND		500	481		ug/L		96	64 - 135	17	21
N-Propylbenzene	ND		500	499		ug/L		100	65 - 135	15	20
o-Xylene	ND		500	530		ug/L		106	65 - 135	13	20
sec-Butylbenzene	ND		500	494		ug/L		99	64 - 135	16	21
Styrene	ND		500	509		ug/L		102	65 - 135	14	26
tert-Butylbenzene	ND		500	485		ug/L		97	65 - 135	15	21
Tetrachloroethene	ND		500	508		ug/L		102	65 - 135	13	20
Toluene	ND		500	542		ug/L		108	65 - 135	12	20
trans-1,2-Dichloroethene	33	J	500	569		ug/L		107	65 - 135	10	24
trans-1,3-Dichloropropene	ND		500	510		ug/L		102	65 - 135	11	26
Trichloroethene	3200		500	3670	4	ug/L		93	65 - 135	4	20
Trichlorofluoromethane	ND		500	464		ug/L		93	53 - 137	12	27

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

Lab Sample ID: 280-99137-7 MSD
Matrix: Water
Analysis Batch: 380948

Client Sample ID: MW-16
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Vinyl chloride	300		500	763		ug/L		93	40 - 137	7	24
Xylenes, Total	ND		1000	1040		ug/L		104	65 - 135	13	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*90*		*70 - 127*
4-Bromofluorobenzene (Surr)	*97*		*78 - 120*
Dibromofluoromethane (Surr)	*91*		*77 - 120*
Toluene-d8 (Surr)	*106*		*80 - 125*

QC Association Summary

Client: Stewart Environmental Consultants Inc
Project/Site: Analytical Testing

TestAmerica Job ID: 280-99137-1

GC/MS VOA

Analysis Batch: 380948

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-99137-1	MW-6	Total/NA	Water	8260B	
280-99137-2	MW-15	Total/NA	Water	8260B	
280-99137-3	MW-11	Total/NA	Water	8260B	
280-99137-4	MW-3	Total/NA	Water	8260B	
280-99137-5	MW-12	Total/NA	Water	8260B	
280-99137-6	MW-1	Total/NA	Water	8260B	
280-99137-7	MW-16	Total/NA	Water	8260B	
MB 280-380948/6	Method Blank	Total/NA	Water	8260B	
LCS 280-380948/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 280-380948/5	Lab Control Sample Dup	Total/NA	Water	8260B	
280-99137-7 MS	MW-16	Total/NA	Water	8260B	
280-99137-7 MSD	MW-16	Total/NA	Water	8260B	

Lab Chronicle

Client: Stewart Environmental Consultants Inc
Project/Site: Analytical Testing

TestAmerica Job ID: 280-99137-1

Client Sample ID: MW-6

Lab Sample ID: 280-99137-1
Matrix: Water

Date Collected: 07/10/17 13:15
Date Received: 07/12/17 15:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	20 mL	20 mL	380948	07/17/17 16:09	MRM	TAL DEN

Client Sample ID: MW-15

Lab Sample ID: 280-99137-2
Matrix: Water

Date Collected: 07/10/17 14:30
Date Received: 07/12/17 15:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	20 mL	20 mL	380948	07/17/17 16:31	MRM	TAL DEN

Client Sample ID: MW-11

Lab Sample ID: 280-99137-3
Matrix: Water

Date Collected: 07/11/17 13:50
Date Received: 07/12/17 15:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	20 mL	20 mL	380948	07/17/17 16:54	MRM	TAL DEN

Client Sample ID: MW-3

Lab Sample ID: 280-99137-4
Matrix: Water

Date Collected: 07/10/17 10:50
Date Received: 07/12/17 15:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	20 mL	20 mL	380948	07/17/17 17:18	MRM	TAL DEN

Client Sample ID: MW-12

Lab Sample ID: 280-99137-5
Matrix: Water

Date Collected: 07/11/17 15:20
Date Received: 07/12/17 15:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		2	20 mL	20 mL	380948	07/17/17 17:40	MRM	TAL DEN

Client Sample ID: MW-1

Lab Sample ID: 280-99137-6
Matrix: Water

Date Collected: 07/10/17 08:45
Date Received: 07/12/17 15:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	20 mL	20 mL	380948	07/17/17 18:03	MRM	TAL DEN

Lab Chronicle

Client: Stewart Environmental Consultants Inc
Project/Site: Analytical Testing

TestAmerica Job ID: 280-99137-1

Client Sample ID: MW-16

Date Collected: 07/06/17 13:30
Date Received: 07/12/17 15:15

Lab Sample ID: 280-99137-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		100	20 mL	20 mL	380948	07/17/17 18:26	MRM	TAL DEN

Laboratory References:

TAL DEN = TestAmerica Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

Accreditation/Certification Summary

Client: Stewart Environmental Consultants Inc
Project/Site: Analytical Testing

TestAmerica Job ID: 280-99137-1

Laboratory: TestAmerica Denver

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
A2LA	DoD ELAP		2907.01	10-31-17
A2LA	ISO/IEC 17025		2907.01	10-31-17
Alabama	State Program	4	40730	09-30-12 *
Alaska (UST)	State Program	10	UST-30	04-05-18
Arizona	State Program	9	AZ0713	12-20-17
Arkansas DEQ	State Program	6	88-0687	06-01-18
California	State Program	9	2513	01-08-18
Connecticut	State Program	1	PH-0686	09-30-18
Florida	NELAP	4	E87667	06-30-18
Georgia	State Program	4	N/A	01-08-18
Illinois	NELAP	5	200017	04-30-18
Iowa	State Program	7	370	12-01-18
Kansas	NELAP	7	E-10166	04-30-18
Louisiana	NELAP	6	02096	06-30-18
Maine	State Program	1	CO0002	03-03-19
Minnesota	NELAP	5	8-999-405	12-31-17
Nevada	State Program	9	CO0026	07-31-17
New Hampshire	NELAP	1	205310	04-28-18
New Jersey	NELAP	2	CO004	06-30-18
New York	NELAP	2	11964	04-01-18
North Carolina (WW/SW)	State Program	4	358	12-31-17
North Dakota	State Program	8	R-034	01-09-18
Oklahoma	State Program	6	8614	08-31-17
Oregon	NELAP	10	4025	01-08-18
Pennsylvania	NELAP	3	68-00664	07-31-17
South Carolina	State Program	4	72002001	01-08-18
Texas	NELAP	6	T104704183-16-12	09-30-17
USDA	Federal		P330-16-00397	12-15-19
Utah	NELAP	8	CO00026	07-31-17
Virginia	NELAP	3	460232	06-14-18
Washington	State Program	10	C583	08-02-17
West Virginia DEP	State Program	3	354	11-30-17
Wisconsin	State Program	5	999615430	08-31-17
Wyoming (UST)	A2LA	8	2907.01	10-31-17

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

CHAIN OF CUSTODY RECORD

STEWART ENVIRONMENTAL CONSULTANTS, LLC.
2600 Canton Ct, Unit C, Fort Collins, CO 80525

Batch:

Telephone: (970) 226-5500
Facsimile: (970) 226-4946

PAGE ____ OF ____

Client No.

LAB

CLIENT: **Stewart Environmental**

SAMPLER

Print:

Signature:

Sample No.	SAMPLE COLLECTION INFO				SAMPLE IDENTIFICATION / NAME	Matrix Type	QC Report Needed	Total No. of Bottles	Analyses Requested
	Date	Time	Grab / Comp	Chlorine (ppm) if applicable					
	7/10/17	13:15	g		mw6				**8260B Including: 1,1-DCE; Freon-11; Freon-113; Trans 1,2-DCE; 1,1-DCA; Cis-1,2-DCE; Chloroform; 2-Butanone (MEK); 4-Isopropyltoluene; 1,1,1-TCA; Trichloroethelene (TCE); Toluene; tetrachloroethylene (Perc); tetrahydrofuran (THF); vinyl chloride; total xylenes; benzene; Acetonitrile (Methyl Cyanide); Ethyl Methacrylate; 2-Pentanone, 4-Methanone**

280-99137 Chain of Custody

Notes: 2.7 IRH7 0.0 RP 7-12-17

Relinquished by	Date / Time	Received by	Date / Time
TRM	7/12/17 15:15	[illegible]	7-12-17 1515

Database Entry By: | Date:

REQUESTED COMPLETION DATE

MATRIX TYPE
WW = waste water
DW = drinking water
L = liquid W = water
S = soil SL = sludge
A = Air SD = Solid

____ CDPHE REPORT REQUIRED

PWSID #

REPORT TO: Trevor Mueller

PHONE: 970.226.5500 FAX:

E-MAIL: Lab@stewartenv.com

CLIENT:

ADDRESS: 2600 Canton Ct, Suite C

CITY, STATE, ZIP: Fort Collins, CO 80525

INVOICE TO:

ADDRESS:

CITY, STATE ZIP:

CHAIN OF CUSTODY RECORD

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PAGE ____ OF ____

Client No.: LAB

CLIENT: **Stewart Environmental**

SAMPLER
Print:
Signature:

Sample No.	SAMPLE COLLECTION INFO: Date	Time	Grab / Comp	Chlorine (ppm) if applicable	SAMPLE IDENTIFICATION / NAME	Matrix Type	QC Report Needed	Total No. of Bottles	Analyses Requested
	7/10/17	14:30	g		MW 15				8260B including: 1,1-DCE; Freon-11; Freon-113; Trans 1,2-DCE; 1,1-DCA; Cis-1,2-DCE; Chloroform; 2-Butanone (MEK); 4-Isopropyltoluene; 1,1,1-TCA; Trichloroethelene (TCE); Toluene; tetrachloroethylene (Perc); tetrahydrofuran (THF); vinyl chloride; total xylenes; benzene; Acetonitrile (Methyl Cyanide); Ethyl Methacrylate; 2-Pentanone, 4-Methanone

Notes:

Relinquished by	Date / Time	Received by	Date / Time
TVM	7/12/17 1615	[signature]	7-12-17 1515
Relinquished by	Date / Time	Received by	Date / Time
Relinquished by	Date / Time	Received by	Date / Time
Database Entry By		Date	

REQUESTED COMPLETION DATE

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PAGE ____ OF ____

Client No.
LAB

CLIENT: **Stewart Environmental**

SAMPLER
Print:
Signature:

Sample No.	SAMPLE COLLECTION INFO Date	Time	Grab / Comp	Chlorine (ppm) if applicable	SAMPLE IDENTIFICATION / NAME	Matrix Type	QC Report Needed	Total No. of Bottles	Analyses Requested
	7/14/17	13:50	g		MW-11	WW			8260B Including: 1,1-DCE; Freon-11; Freon-113; Trans 1,2-DCE; 1,1-DCA; Cis-1,2-DCE; Chloroform; 2-Butanone (MEK); 4-Isopropyltoluene; 1,1,1-TCA; Trichloroethelene (TCE); Toluene; tetrachloroethylene (Perc); tetrahydrofuran (THF); vinyl chloride; total xylenes; benzene; Acetonitrile (Methyl Cyanide); Ethyl Methacrylate; 2-Pentanone, 4-Methanone

Notes:

Relinquished by	Date / Time	Received by	Date / Time
[illegible]	7/12/17 1515	[illegible]	7-12-17 1515
Relinquished by	Date / Time	Received by	Date / Time
Relinquished by	Date / Time	Received by	Date / Time
Database Entry By		Date	

REQUESTED COMPLETION DATE

MATRIX TYPE
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Batch:

PAGE ____ OF ____

Client No.
LAB

CLIENT: **Stewart Environmental**

SAMPLER
Print:
Signature:

Sample No.	SAMPLE COLLECTION INFO Date	Time	Grab / Comp	Chlorine (ppm) if applicable	SAMPLE IDENTIFICATION / NAME	Matrix Type	QC Report Needed	Total No. of Bottles	Analyses Requested
	7/10/17	10:50			MW 3				8260B Including: 1,1-DCE; Freon-11; Freon-113; Trans 1,2-DCE; 1,1-DCA; Cis-1,2-DCE; Chloroform; 2-Butanone (MEK); 4-Isopropyltoluene; 1,1,1-TCA; Trichloroethelene (TCE); Toluene; tetrachloroethylene (Perc); tetrahydrofuran (THF); vinyl chloride; total xylenes; benzene; Acetonitrile (Methyl Cyanide); Ethyl Methacrylate; 2-Pentanone, 4-Methanone

Notes:

Relinquished by	Date / Time	Received by	Date / Time
TVM	7/12/17 15:15	[signature]	7-12-17 1515
Relinquished by	Date / Time	Received by	Date / Time
Relinquished by	Date / Time	Received by	Date / Time
Database Entry By		Date	

REQUESTED COMPLETION DATE

MATRIX TYPE
WW = waste water
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Batch:

Telephone: (970) 226-5500
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PAGE ___ OF ___

Client No.

LAB

CLIENT: **Stewart Environmental**

SAMPLER

Print:

Signature:

Sample No.	SAMPLE COLLECTION INFO				SAMPLE IDENTIFICATION / NAME	Matrix Type	QC Report Needed	Total No. of Bottles	Analyses Requested
	Date	Time	Grab / Comp	Chlorine (ppm) # applicable					
	7/11/17	15:20	g		MW 12	WW			8260B Including: 1,1-DCE; Freon-11; Freon-113; Trans 1,2-DCE; 1,1-DCA; Cis-1,2-DCE; Chloroform; 2-Butanone (MEK); 4-Isopropyltoluene; 1,1,1-TCA; Trichloroethelene (TCE); Toluene; tetrachloroethylene (Perc); tetrahydrofuran (THF); vinyl chloride; total xylenes; benzene; Acetonitrile (Methyl Cyanide); Ethyl Methacrylate; 2-Pentanone, 4-Methanone

Notes:

Relinquished by	Date / Time	Received by	Date / Time
[signature]	7/12/17 1515	Rec'd [signature]	7-12-17 1515
Relinquished by	Date / Time	Received by	Date / Time
Relinquished by	Date / Time	Received by	Date / Time
Database Entry By		Date	

REQUESTED COMPLETION DATE

MATRIX TYPE
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DW = drinking water
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CITY, STATE, ZIP:

CHAIN OF CUSTODY RECORD

STEWART ENVIRONMENTAL CONSULTANTS, LLC.
2600 Canton Ct, Unit C, Fort Collins, CO 80525

Telephone: (970) 226-5500
Facsimile: (970) 226-4946

Batch:

PAGE ___ OF ___

Client No.

LAB

CLIENT: **Stewart Environmental**

SAMPLER

Print:

Signature:

Sample No.	SAMPLE COLLECTION INFO				SAMPLE IDENTIFICATION / NAME	Matrix Type	QC Report Needed	Total No. of Bottles	Analyses Requested
	Date	Time	Grab / Comp	Chlorine (ppm) if applicable					
	7/10/17	8:45	g		mw1				8260B including: 1,1-DCE; Freon-11; Freon-113; Trans 1,2-DCE; 1,1-DCA; Cis-1,2-DCE; Chloroform; 2-Butanone (MEK); 4-Isopropyltoluene; 1,1,1-TCA; Trichloroethelene (TCE); Toluene; tetrachloroethylene (Perc); tetrahydrofuran (THF); vinyl chloride; total xylenes; benzene; Acetonitrile (Methyl Cyanide); Ethyl Methacrylate; 2-Pentanone, 4-Methanone

Notes:

Relinquished by	Date / Time	Received by	Date / Time
TV TVM	7/12/17 15:15	[illegible]	7-12-17 1515
Relinquished by	Date / Time	Received by	Date / Time
Relinquished by	Date / Time	Received by	Date / Time
Database Entry By		Date	

REQUESTED COMPLETION DATE

MATRIX TYPE
WW = waste water
DW = drinking water
L = liquid W = water
S = soil SL = sludge
A = Air SD = Solid

____CDPHE REPORT REQUIRED

PWSID #

REPORT TO: Trevor Mueller

PHONE: 970.226.5500 FAX:

E-MAIL: Lab@stewartenv.com

CLIENT:

ADDRESS: 2600 Canton Ct, Suite C

CITY, STATE, ZIP: Fort Collins, CO 80525

INVOICE TO:

ADDRESS:

CITY, STATE ZIP:

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PAGE ____ OF ____

Client No.: LAB

CLIENT: **Stewart Environmental**

SAMPLER
Print:
Signature:

Sample No.	SAMPLE COLLECTION INFO Date	Time	Grab / Comp	Chlorine (ppm) if applicable	SAMPLE IDENTIFICATION / NAME	Matrix Type	QC Report Needed	Total No. of Bottles	Analyses Requested
	7/6/17	13:30			MW 16				8260B Including: 1,1-DCE; Freon-11; Freon-113; Trans 1,2-DCE; 1,1-DCA; Cis-1,2-DCE; Chloroform; 2-Butanone (MEK); 4-Isopropyltoluene; 1,1,1-TCA; Trichloroethelene (TCE); Toluene; tetrachloroethylene (Perc); tetrahydrofuran (THF); vinyl chloride; total xylenes; benzene; Acetonitrile (Methyl Cyanide); Ethyl Methacrylate; 2-Pentanone, 4-Methanone

Notes:

Relinquished by	Date / Time	Received by	Date / Time
TM	7/12/17 15:15	[signature]	7-12-17 1515
Relinquished by	Date / Time	Received by	Date / Time
Relinquished by	Date / Time	Received by	Date / Time
Database Entry By		Date	

REQUESTED COMPLETION DATE

MATRIX TYPE
WW = waste water
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COPHE REPORT REQUIRED

PWSID #

REPORT TO: Trevor Mueller
PHONE: 970.226.5500 FAX:
E-MAIL: Lab@stewartenv.com
CLIENT:
ADDRESS: 2600 Canton Ct, Suite C
CITY, STATE, ZIP: Fort Collins, CO 80525
INVOICE TO:
ADDRESS:
CITY, STATE ZIP

Login Sample Receipt Checklist

Client: Stewart Environmental Consultants Inc

Job Number: 280-99137-1

Login Number: 99137
List Number: 1
Creator: Pottruff, Reed W

List Source: TestAmerica Denver

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
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	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	False	Refer to Job Narrative for details.
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	False	Refer to Job Narrative for details.
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Denver
4955 Yarrow Street
Arvada, CO 80002
Tel: (303)736-0100

TestAmerica Job ID: 280-99329-1
Client Project/Site: Analytical Testing

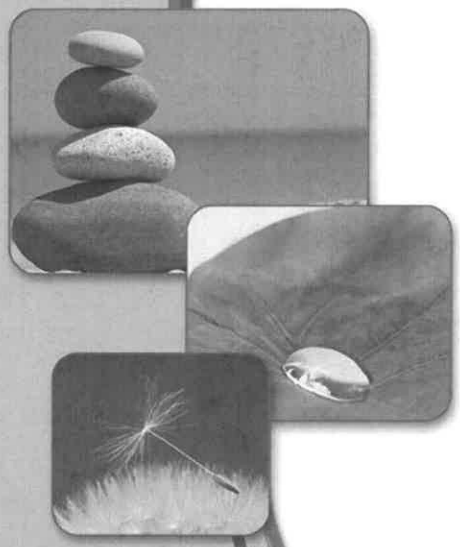
For:
Stewart Environmental Consultants Inc
748 Whalers Way
Unit 210
Fort Collins, Colorado 80525

Attn: Mr. Trevor Mueller

Stephanie Rothmeyer

Authorized for release by:
7/31/2017 9:34:27 AM

Stephanie Rothmeyer, Project Manager I
(303)736-0182
stephanie.rothmeyer@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: Stewart Environmental Consultants Inc
Project/Site: Analytical Testing

TestAmerica Job ID: 280-99329-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery is outside acceptance limits.

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
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
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: 280-99329-1

Laboratory: TestAmerica Denver

Narrative

CASE NARRATIVE

Client: Stewart Environmental Consultants Inc

Project: Analytical Testing

Report Number: 280-99329-1

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

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

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

RECEIPT
The samples were received on 7/18/2017 at 3:30 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.4° C.

The Sampler field on the COC was not filled out. The client was notified on 7/18/17.

Two of two HCl preserved VOA vials requesting 8260B VOCs analysis for the following sample were received partially filled: W_HOLE DRUM (280-99329-6). It can be noted that analysis results may be biased low due to headspace. The client was notified on 7/18/17.

VOLATILE ORGANIC COMPOUNDS (GC-MS)
Samples MW-5 (280-99329-1), MW-15 (280-99329-4), MW-2R (280-99329-5) and W_HOLE DRUM (280-99329-6) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 07/25/2017.

Methylene Chloride was detected in method blank MB 280-381850/6 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Refer to the QC report for details.

Samples MW-2R (280-99329-5)[200X] and W_HOLE DRUM (280-99329-6)[20000X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TOTAL CYANIDE
Samples MW-3 (280-99329-2), MW-16 (280-99329-3), MW-15 (280-99329-4) and MW-2R (280-99329-5) were analyzed for total cyanide in accordance with EPA SW-846 Method 9012A. The samples were prepared and analyzed on 07/25/2017.

Cyanide, Total was detected in method blank MB 280-381847/4-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Refer to the QC report for details.

Cyanide, Total failed the recovery criteria high for the MS and MSD of sample MW-2R (280-99329-5) in batch 280-381933. Refer to the QC report for details.

The following samples was diluted due to the nature of the sample matrix: MW-16 (280-99329-3), MW-15 (280-99329-4). Elevated

Job ID: 280-99329-1 (Continued)

Laboratory: TestAmerica Denver (Continued)

reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Stewart Environmental Consultants Inc
Project/Site: Analytical Testing

TestAmerica Job ID: 280-99329-1

Client Sample ID: MW-5 — Lab Sample ID: 280-99329-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethene, Total	4.9		1.0	0.24	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	4.0		1.0	0.15	ug/L	1		8260B	Total/NA
Tetrachloroethene	4.7		1.0	0.20	ug/L	1		8260B	Total/NA
Tetrahydrofuran	18		7.0	2.0	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	0.89	J	1.0	0.15	ug/L	1		8260B	Total/NA
Trichloroethene	11		1.0	0.16	ug/L	1		8260B	Total/NA
Vinyl chloride	1.3		1.0	0.10	ug/L	1		8260B	Total/NA

Client Sample ID: MW-3 — Lab Sample ID: 280-99329-2

No Detections.

Client Sample ID: MW-16 — Lab Sample ID: 280-99329-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cyanide, Total	0.0046	J B	0.020	0.0040	mg/L	1		9012A	Total/NA

Client Sample ID: MW-15 — Lab Sample ID: 280-99329-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	26		10	1.9	ug/L	1		8260B	Total/NA
Cyanide, Total	0.0040	J B	0.020	0.0040	mg/L	1		9012A	Total/NA

Client Sample ID: MW-2R — Lab Sample ID: 280-99329-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethene, Total	2000		200	48	ug/L	200		8260B	Total/NA
cis-1,2-Dichloroethene	2000		200	30	ug/L	200		8260B	Total/NA
Trichloroethene	3600		200	32	ug/L	200		8260B	Total/NA
Cyanide, Total	0.0020	J F1 B	0.010	0.0020	mg/L	1		9012A	Total/NA

Client Sample ID: W_HOLE DRUM — Lab Sample ID: 280-99329-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	220000		120000	40000	ug/L	20000		8260B	Total/NA
4-Methyl-2-pentanone (MIBK)	3500000		100000	20000	ug/L	20000		8260B	Total/NA
cis-1,2-Dichloroethene	4400	J	20000	3000	ug/L	20000		8260B	Total/NA
Toluene	760000		20000	3400	ug/L	20000		8260B	Total/NA
Trichloroethene	32000		20000	3200	ug/L	20000		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Stewart Environmental Consultants Inc
Project/Site: Analytical Testing

TestAmerica Job ID: 280-99329-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL DEN
9012A	Cyanide, Total and/or Amenable	SW846	TAL DEN

Protocol References:

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

Laboratory References:

TAL DEN = TestAmerica Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

Sample Summary

Client: Stewart Environmental Consultants Inc
Project/Site: Analytical Testing

TestAmerica Job ID: 280-99329-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
280-99329-1	MW-5	Water	07/12/17 14:20	07/18/17 15:30
280-99329-2	MW-3	Water	07/17/17 14:00	07/18/17 15:30
280-99329-3	MW-16	Water	07/17/17 13:30	07/18/17 15:30
280-99329-4	MW-15	Water	07/17/17 13:00	07/18/17 15:30
280-99329-5	MW-2R	Water	07/17/17 15:00	07/18/17 15:30
280-99329-6	W_HOLE DRUM	Water	07/12/17 15:00	07/18/17 15:30

Client Sample Results

Client: Stewart Environmental Consultants Inc
Project/Site: Analytical Testing

TestAmerica Job ID: 280-99329-1

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

Client Sample ID: MW-5
Date Collected: 07/12/17 14:20
Date Received: 07/18/17 15:30

Lab Sample ID: 280-99329-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/25/17 10:52	1
1,1,1-Trichloroethane	ND		1.0	0.16	ug/L			07/25/17 10:52	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/25/17 10:52	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			07/25/17 10:52	1
1,1-Dichloroethane	ND		1.0	0.22	ug/L			07/25/17 10:52	1
1,1-Dichloroethene	ND		1.0	0.23	ug/L			07/25/17 10:52	1
1,1-Dichloropropene	ND		1.0	0.19	ug/L			07/25/17 10:52	1
1,2,3-Trichlorobenzene	ND		1.0	0.21	ug/L			07/25/17 10:52	1
1,2,3-Trichloropropane	ND		2.5	0.33	ug/L			07/25/17 10:52	1
1,2,4-Trichlorobenzene	ND		1.0	0.21	ug/L			07/25/17 10:52	1
1,2,4-Trimethylbenzene	ND		1.0	0.15	ug/L			07/25/17 10:52	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.47	ug/L			07/25/17 10:52	1
1,2-Dibromoethane	ND		1.0	0.18	ug/L			07/25/17 10:52	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			07/25/17 10:52	1
1,2-Dichloroethane	ND		1.0	0.13	ug/L			07/25/17 10:52	1
1,2-Dichloroethene, Total	**4.9**		1.0	0.24	ug/L			07/25/17 10:52	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			07/25/17 10:52	1
1,3,5-Trimethylbenzene	ND		1.0	0.16	ug/L			07/25/17 10:52	1
1,3-Dichlorobenzene	ND		1.0	0.13	ug/L			07/25/17 10:52	1
1,3-Dichloropropane	ND		1.0	0.22	ug/L			07/25/17 10:52	1
1,4-Dichlorobenzene	ND		1.0	0.16	ug/L			07/25/17 10:52	1
2,2-Dichloropropane	ND		1.0	0.18	ug/L			07/25/17 10:52	1
2-Butanone (MEK)	ND		6.0	2.0	ug/L			07/25/17 10:52	1
2-Chlorotoluene	ND		1.0	0.17	ug/L			07/25/17 10:52	1
2-Hexanone	ND		5.0	1.7	ug/L			07/25/17 10:52	1
2-Pentanone	ND		5.0	1.0	ug/L			07/25/17 10:52	1
4-Chlorotoluene	ND		1.0	0.21	ug/L			07/25/17 10:52	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			07/25/17 10:52	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.98	ug/L			07/25/17 10:52	1
Acetone	ND		10	1.9	ug/L			07/25/17 10:52	1
Acetonitrile	ND		30	9.6	ug/L			07/25/17 10:52	1
Benzene	ND		1.0	0.16	ug/L			07/25/17 10:52	1
Bromobenzene	ND		1.0	0.17	ug/L			07/25/17 10:52	1
Bromoform	ND		1.0	0.19	ug/L			07/25/17 10:52	1
Bromomethane	ND		2.0	0.21	ug/L			07/25/17 10:52	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/25/17 10:52	1
Chlorobenzene	ND		1.0	0.17	ug/L			07/25/17 10:52	1
Chlorobromomethane	ND		1.0	0.10	ug/L			07/25/17 10:52	1
Chlorodibromomethane	ND		1.0	0.17	ug/L			07/25/17 10:52	1
Chloroethane	ND		2.0	0.41	ug/L			07/25/17 10:52	1
Chloroform	ND		1.0	0.16	ug/L			07/25/17 10:52	1
Chloromethane	ND		2.0	0.30	ug/L			07/25/17 10:52	1
cis-1,2-Dichloroethene	**4.0**		1.0	0.15	ug/L			07/25/17 10:52	1
cis-1,3-Dichloropropene	ND		1.0	0.16	ug/L			07/25/17 10:52	1
Dibromomethane	ND		1.0	0.17	ug/L			07/25/17 10:52	1
Dichlorobromomethane	ND		1.0	0.17	ug/L			07/25/17 10:52	1
Dichlorodifluoromethane	ND		2.0	0.31	ug/L			07/25/17 10:52	1
Ethyl methacrylate	ND		3.0	0.86	ug/L			07/25/17 10:52	1
Ethylbenzene	ND		1.0	0.16	ug/L			07/25/17 10:52	1

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

Client Sample ID: MW-5
Date Collected: 07/12/17 14:20
Date Received: 07/18/17 15:30

Lab Sample ID: 280-99329-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	ND		1.0	0.36	ug/L			07/25/17 10:52	1
Isopropylbenzene	ND		1.0	0.19	ug/L			07/25/17 10:52	1
Methyl tert-butyl ether	ND		5.0	0.25	ug/L			07/25/17 10:52	1
Methylene Chloride	ND		2.0	0.32	ug/L			07/25/17 10:52	1
m-Xylene & p-Xylene	ND		2.0	0.34	ug/L			07/25/17 10:52	1
Naphthalene	ND		1.0	0.22	ug/L			07/25/17 10:52	1
n-Butylbenzene	ND		1.0	0.32	ug/L			07/25/17 10:52	1
N-Propylbenzene	ND		1.0	0.16	ug/L			07/25/17 10:52	1
o-Xylene	ND		1.0	0.19	ug/L			07/25/17 10:52	1
sec-Butylbenzene	ND		1.0	0.17	ug/L			07/25/17 10:52	1
Styrene	ND		1.0	0.17	ug/L			07/25/17 10:52	1
tert-Butylbenzene	ND		1.0	0.16	ug/L			07/25/17 10:52	1
Tetrachloroethene	**4.7**		1.0	0.20	ug/L			07/25/17 10:52	1
Tetrahydrofuran	**18**		7.0	2.0	ug/L			07/25/17 10:52	1
Toluene	ND		1.0	0.17	ug/L			07/25/17 10:52	1
trans-1,2-Dichloroethene	**0.89**	**J**	1.0	0.15	ug/L			07/25/17 10:52	1
trans-1,3-Dichloropropene	ND		3.0	0.19	ug/L			07/25/17 10:52	1
Trichloroethene	**11**		1.0	0.16	ug/L			07/25/17 10:52	1
Trichlorofluoromethane	ND		2.0	0.29	ug/L			07/25/17 10:52	1
Vinyl chloride	**1.3**		1.0	0.10	ug/L			07/25/17 10:52	1
Xylenes, Total	ND		2.0	0.19	ug/L			07/25/17 10:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 127*		*07/25/17 10:52*	*1*
4-Bromofluorobenzene (Surr)	*110*		*78 - 120*		*07/25/17 10:52*	*1*
Dibromofluoromethane (Surr)	*100*		*77 - 120*		*07/25/17 10:52*	*1*
Toluene-d8 (Surr)	*106*		*80 - 125*		*07/25/17 10:52*	*1*

Client Sample ID: MW-15
Date Collected: 07/17/17 13:00
Date Received: 07/18/17 15:30

Lab Sample ID: 280-99329-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/25/17 11:12	1
1,1,1-Trichloroethane	ND		1.0	0.16	ug/L			07/25/17 11:12	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/25/17 11:12	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			07/25/17 11:12	1
1,1-Dichloroethane	ND		1.0	0.22	ug/L			07/25/17 11:12	1
1,1-Dichloroethene	ND		1.0	0.23	ug/L			07/25/17 11:12	1
1,1-Dichloropropene	ND		1.0	0.19	ug/L			07/25/17 11:12	1
1,2,3-Trichlorobenzene	ND		1.0	0.21	ug/L			07/25/17 11:12	1
1,2,3-Trichloropropane	ND		2.5	0.33	ug/L			07/25/17 11:12	1
1,2,4-Trichlorobenzene	ND		1.0	0.21	ug/L			07/25/17 11:12	1
1,2,4-Trimethylbenzene	ND		1.0	0.15	ug/L			07/25/17 11:12	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.47	ug/L			07/25/17 11:12	1
1,2-Dibromoethane	ND		1.0	0.18	ug/L			07/25/17 11:12	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			07/25/17 11:12	1
1,2-Dichloroethane	ND		1.0	0.13	ug/L			07/25/17 11:12	1
1,2-Dichloroethene, Total	ND		1.0	0.24	ug/L			07/25/17 11:12	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			07/25/17 11:12	1
1,3,5-Trimethylbenzene	ND		1.0	0.16	ug/L			07/25/17 11:12	1

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

Client Sample ID: MW-15
Date Collected: 07/17/17 13:00
Date Received: 07/18/17 15:30

Lab Sample ID: 280-99329-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		1.0	0.13	ug/L			07/25/17 11:12	1
1,3-Dichloropropane	ND		1.0	0.22	ug/L			07/25/17 11:12	1
1,4-Dichlorobenzene	ND		1.0	0.16	ug/L			07/25/17 11:12	1
2,2-Dichloropropane	ND		1.0	0.18	ug/L			07/25/17 11:12	1
2-Butanone (MEK)	ND		6.0	2.0	ug/L			07/25/17 11:12	1
2-Chlorotoluene	ND		1.0	0.17	ug/L			07/25/17 11:12	1
2-Hexanone	ND		5.0	1.7	ug/L			07/25/17 11:12	1
2-Pentanone	ND		5.0	1.0	ug/L			07/25/17 11:12	1
4-Chlorotoluene	ND		1.0	0.21	ug/L			07/25/17 11:12	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			07/25/17 11:12	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.98	ug/L			07/25/17 11:12	1
Acetone	**26**		10	1.9	ug/L			07/25/17 11:12	1
Acetonitrile	ND		30	9.6	ug/L			07/25/17 11:12	1
Benzene	ND		1.0	0.16	ug/L			07/25/17 11:12	1
Bromobenzene	ND		1.0	0.17	ug/L			07/25/17 11:12	1
Bromoform	ND		1.0	0.19	ug/L			07/25/17 11:12	1
Bromomethane	ND		2.0	0.21	ug/L			07/25/17 11:12	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/25/17 11:12	1
Chlorobenzene	ND		1.0	0.17	ug/L			07/25/17 11:12	1
Chlorobromomethane	ND		1.0	0.10	ug/L			07/25/17 11:12	1
Chlorodibromomethane	ND		1.0	0.17	ug/L			07/25/17 11:12	1
Chloroethane	ND		2.0	0.41	ug/L			07/25/17 11:12	1
Chloroform	ND		1.0	0.16	ug/L			07/25/17 11:12	1
Chloromethane	ND		2.0	0.30	ug/L			07/25/17 11:12	1
cis-1,2-Dichloroethene	ND		1.0	0.15	ug/L			07/25/17 11:12	1
cis-1,3-Dichloropropene	ND		1.0	0.16	ug/L			07/25/17 11:12	1
Dibromomethane	ND		1.0	0.17	ug/L			07/25/17 11:12	1
Dichlorobromomethane	ND		1.0	0.17	ug/L			07/25/17 11:12	1
Dichlorodifluoromethane	ND		2.0	0.31	ug/L			07/25/17 11:12	1
Ethyl methacrylate	ND		3.0	0.86	ug/L			07/25/17 11:12	1
Ethylbenzene	ND		1.0	0.16	ug/L			07/25/17 11:12	1
Hexachlorobutadiene	ND		1.0	0.36	ug/L			07/25/17 11:12	1
Isopropylbenzene	ND		1.0	0.19	ug/L			07/25/17 11:12	1
Methyl tert-butyl ether	ND		5.0	0.25	ug/L			07/25/17 11:12	1
Methylene Chloride	ND		2.0	0.32	ug/L			07/25/17 11:12	1
m-Xylene & p-Xylene	ND		2.0	0.34	ug/L			07/25/17 11:12	1
Naphthalene	ND		1.0	0.22	ug/L			07/25/17 11:12	1
n-Butylbenzene	ND		1.0	0.32	ug/L			07/25/17 11:12	1
N-Propylbenzene	ND		1.0	0.16	ug/L			07/25/17 11:12	1
o-Xylene	ND		1.0	0.19	ug/L			07/25/17 11:12	1
sec-Butylbenzene	ND		1.0	0.17	ug/L			07/25/17 11:12	1
Styrene	ND		1.0	0.17	ug/L			07/25/17 11:12	1
tert-Butylbenzene	ND		1.0	0.16	ug/L			07/25/17 11:12	1
Tetrachloroethene	ND		1.0	0.20	ug/L			07/25/17 11:12	1
Tetrahydrofuran	ND		7.0	2.0	ug/L			07/25/17 11:12	1
Toluene	ND		1.0	0.17	ug/L			07/25/17 11:12	1
trans-1,2-Dichloroethene	ND		1.0	0.15	ug/L			07/25/17 11:12	1
trans-1,3-Dichloropropene	ND		3.0	0.19	ug/L			07/25/17 11:12	1
Trichloroethene	ND		1.0	0.16	ug/L			07/25/17 11:12	1

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

Client Sample ID: MW-15 — **Lab Sample ID: 280-99329-4**
Date Collected: 07/17/17 13:00 — **Matrix: Water**
Date Received: 07/18/17 15:30

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		2.0	0.29	ug/L			07/25/17 11:12	1
Vinyl chloride	ND		1.0	0.10	ug/L			07/25/17 11:12	1
Xylenes, Total	ND		2.0	0.19	ug/L			07/25/17 11:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 127*		*07/25/17 11:12*	*1*
4-Bromofluorobenzene (Surr)	*107*		*78 - 120*		*07/25/17 11:12*	*1*
Dibromofluoromethane (Surr)	*101*		*77 - 120*		*07/25/17 11:12*	*1*
Toluene-d8 (Surr)	*104*		*80 - 125*		*07/25/17 11:12*	*1*

Client Sample ID: MW-2R — **Lab Sample ID: 280-99329-5**
Date Collected: 07/17/17 15:00 — **Matrix: Water**
Date Received: 07/18/17 15:30

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		200	42	ug/L			07/25/17 11:33	200
1,1,1-Trichloroethane	ND		200	32	ug/L			07/25/17 11:33	200
1,1,2,2-Tetrachloroethane	ND		200	42	ug/L			07/25/17 11:33	200
1,1,2-Trichloroethane	ND		200	54	ug/L			07/25/17 11:33	200
1,1-Dichloroethane	ND		200	44	ug/L			07/25/17 11:33	200
1,1-Dichloroethene	ND		200	46	ug/L			07/25/17 11:33	200
1,1-Dichloropropene	ND		200	38	ug/L			07/25/17 11:33	200
1,2,3-Trichlorobenzene	ND		200	42	ug/L			07/25/17 11:33	200
1,2,3-Trichloropropane	ND		500	66	ug/L			07/25/17 11:33	200
1,2,4-Trichlorobenzene	ND		200	42	ug/L			07/25/17 11:33	200
1,2,4-Trimethylbenzene	ND		200	30	ug/L			07/25/17 11:33	200
1,2-Dibromo-3-Chloropropane	ND		1000	94	ug/L			07/25/17 11:33	200
1,2-Dibromoethane	ND		200	36	ug/L			07/25/17 11:33	200
1,2-Dichlorobenzene	ND		200	30	ug/L			07/25/17 11:33	200
1,2-Dichloroethane	ND		200	26	ug/L			07/25/17 11:33	200
1,2-Dichloroethene, Total	**2000**		200	48	ug/L			07/25/17 11:33	200
1,2-Dichloropropane	ND		200	36	ug/L			07/25/17 11:33	200
1,3,5-Trimethylbenzene	ND		200	32	ug/L			07/25/17 11:33	200
1,3-Dichlorobenzene	ND		200	26	ug/L			07/25/17 11:33	200
1,3-Dichloropropane	ND		200	44	ug/L			07/25/17 11:33	200
1,4-Dichlorobenzene	ND		200	32	ug/L			07/25/17 11:33	200
2,2-Dichloropropane	ND		200	36	ug/L			07/25/17 11:33	200
2-Butanone (MEK)	ND		1200	400	ug/L			07/25/17 11:33	200
2-Chlorotoluene	ND		200	34	ug/L			07/25/17 11:33	200
2-Hexanone	ND		1000	340	ug/L			07/25/17 11:33	200
2-Pentanone	ND		1000	200	ug/L			07/25/17 11:33	200
4-Chlorotoluene	ND		200	42	ug/L			07/25/17 11:33	200
4-Isopropyltoluene	ND		200	40	ug/L			07/25/17 11:33	200
4-Methyl-2-pentanone (MIBK)	ND		1000	200	ug/L			07/25/17 11:33	200
Acetone	ND		2000	380	ug/L			07/25/17 11:33	200
Acetonitrile	ND		6000	1900	ug/L			07/25/17 11:33	200
Benzene	ND		200	32	ug/L			07/25/17 11:33	200
Bromobenzene	ND		200	34	ug/L			07/25/17 11:33	200
Bromoform	ND		200	38	ug/L			07/25/17 11:33	200
Bromomethane	ND		400	42	ug/L			07/25/17 11:33	200
Carbon tetrachloride	ND		200	38	ug/L			07/25/17 11:33	200

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

Client Sample ID: MW-2R
Date Collected: 07/17/17 15:00
Date Received: 07/18/17 15:30

Lab Sample ID: 280-99329-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		200	34	ug/L			07/25/17 11:33	200
Chlorobromomethane	ND		200	20	ug/L			07/25/17 11:33	200
Chlorodibromomethane	ND		200	34	ug/L			07/25/17 11:33	200
Chloroethane	ND		400	82	ug/L			07/25/17 11:33	200
Chloroform	ND		200	32	ug/L			07/25/17 11:33	200
Chloromethane	ND		400	60	ug/L			07/25/17 11:33	200
cis-1,2-Dichloroethene	**2000**		200	30	ug/L			07/25/17 11:33	200
cis-1,3-Dichloropropene	ND		200	32	ug/L			07/25/17 11:33	200
Dibromomethane	ND		200	34	ug/L			07/25/17 11:33	200
Dichlorobromomethane	ND		200	34	ug/L			07/25/17 11:33	200
Dichlorodifluoromethane	ND		400	62	ug/L			07/25/17 11:33	200
Ethyl methacrylate	ND		600	170	ug/L			07/25/17 11:33	200
Ethylbenzene	ND		200	32	ug/L			07/25/17 11:33	200
Hexachlorobutadiene	ND		200	72	ug/L			07/25/17 11:33	200
Isopropylbenzene	ND		200	38	ug/L			07/25/17 11:33	200
Methyl tert-butyl ether	ND		1000	50	ug/L			07/25/17 11:33	200
Methylene Chloride	ND		400	64	ug/L			07/25/17 11:33	200
m-Xylene & p-Xylene	ND		400	68	ug/L			07/25/17 11:33	200
Naphthalene	ND		200	44	ug/L			07/25/17 11:33	200
n-Butylbenzene	ND		200	64	ug/L			07/25/17 11:33	200
N-Propylbenzene	ND		200	32	ug/L			07/25/17 11:33	200
o-Xylene	ND		200	38	ug/L			07/25/17 11:33	200
sec-Butylbenzene	ND		200	34	ug/L			07/25/17 11:33	200
Styrene	ND		200	34	ug/L			07/25/17 11:33	200
tert-Butylbenzene	ND		200	32	ug/L			07/25/17 11:33	200
Tetrachloroethene	ND		200	40	ug/L			07/25/17 11:33	200
Tetrahydrofuran	ND		1400	410	ug/L			07/25/17 11:33	200
Toluene	ND		200	34	ug/L			07/25/17 11:33	200
trans-1,2-Dichloroethene	ND		200	30	ug/L			07/25/17 11:33	200
trans-1,3-Dichloropropene	ND		600	38	ug/L			07/25/17 11:33	200
Trichloroethene	**3600**		200	32	ug/L			07/25/17 11:33	200
Trichlorofluoromethane	ND		400	58	ug/L			07/25/17 11:33	200
Vinyl chloride	ND		200	20	ug/L			07/25/17 11:33	200
Xylenes, Total	ND		400	38	ug/L			07/25/17 11:33	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 127*		*07/25/17 11:33*	*200*
4-Bromofluorobenzene (Surr)	*112*		*78 - 120*		*07/25/17 11:33*	*200*
Dibromofluoromethane (Surr)	*104*		*77 - 120*		*07/25/17 11:33*	*200*
Toluene-d8 (Surr)	*105*		*80 - 125*		*07/25/17 11:33*	*200*

Client Sample ID: W_HOLE DRUM
Date Collected: 07/12/17 15:00
Date Received: 07/18/17 15:30

Lab Sample ID: 280-99329-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		20000	4200	ug/L			07/25/17 11:53	20000
1,1,1-Trichloroethane	ND		20000	3200	ug/L			07/25/17 11:53	20000
1,1,2,2-Tetrachloroethane	ND		20000	4200	ug/L			07/25/17 11:53	20000
1,1,2-Trichloroethane	ND		20000	5400	ug/L			07/25/17 11:53	20000
1,1-Dichloroethane	ND		20000	4400	ug/L			07/25/17 11:53	20000

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

Client Sample ID: W_HOLE DRUM
Date Collected: 07/12/17 15:00
Date Received: 07/18/17 15:30

Lab Sample ID: 280-99329-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		20000	4600	ug/L			07/25/17 11:53	20000
1,1-Dichloropropene	ND		20000	3800	ug/L			07/25/17 11:53	20000
1,2,3-Trichlorobenzene	ND		20000	4200	ug/L			07/25/17 11:53	20000
1,2,3-Trichloropropane	ND		50000	6600	ug/L			07/25/17 11:53	20000
1,2,4-Trichlorobenzene	ND		20000	4200	ug/L			07/25/17 11:53	20000
1,2,4-Trimethylbenzene	ND		20000	3000	ug/L			07/25/17 11:53	20000
1,2-Dibromo-3-Chloropropane	ND		100000	9400	ug/L			07/25/17 11:53	20000
1,2-Dibromoethane	ND		20000	3600	ug/L			07/25/17 11:53	20000
1,2-Dichlorobenzene	ND		20000	3000	ug/L			07/25/17 11:53	20000
1,2-Dichloroethane	ND		20000	2600	ug/L			07/25/17 11:53	20000
1,2-Dichloroethene, Total	ND		20000	4800	ug/L			07/25/17 11:53	20000
1,2-Dichloropropane	ND		20000	3600	ug/L			07/25/17 11:53	20000
1,3,5-Trimethylbenzene	ND		20000	3200	ug/L			07/25/17 11:53	20000
1,3-Dichlorobenzene	ND		20000	2600	ug/L			07/25/17 11:53	20000
1,3-Dichloropropane	ND		20000	4400	ug/L			07/25/17 11:53	20000
1,4-Dichlorobenzene	ND		20000	3200	ug/L			07/25/17 11:53	20000
2,2-Dichloropropane	ND		20000	3600	ug/L			07/25/17 11:53	20000
2-Butanone (MEK)	**220000**		120000	40000	ug/L			07/25/17 11:53	20000
2-Chlorotoluene	ND		20000	3400	ug/L			07/25/17 11:53	20000
2-Hexanone	ND		100000	34000	ug/L			07/25/17 11:53	20000
2-Pentanone	ND		100000	20000	ug/L			07/25/17 11:53	20000
4-Chlorotoluene	ND		20000	4200	ug/L			07/25/17 11:53	20000
4-Isopropyltoluene	ND		20000	4000	ug/L			07/25/17 11:53	20000
4-Methyl-2-pentanone (MIBK)	**3500000**		100000	20000	ug/L			07/25/17 11:53	20000
Acetone	ND		200000	38000	ug/L			07/25/17 11:53	20000
Acetonitrile	ND		600000	190000	ug/L			07/25/17 11:53	20000
Benzene	ND		20000	3200	ug/L			07/25/17 11:53	20000
Bromobenzene	ND		20000	3400	ug/L			07/25/17 11:53	20000
Bromoform	ND		20000	3800	ug/L			07/25/17 11:53	20000
Bromomethane	ND		40000	4200	ug/L			07/25/17 11:53	20000
Carbon tetrachloride	ND		20000	3800	ug/L			07/25/17 11:53	20000
Chlorobenzene	ND		20000	3400	ug/L			07/25/17 11:53	20000
Chlorobromomethane	ND		20000	2000	ug/L			07/25/17 11:53	20000
Chlorodibromomethane	ND		20000	3400	ug/L			07/25/17 11:53	20000
Chloroethane	ND		40000	8200	ug/L			07/25/17 11:53	20000
Chloroform	ND		20000	3200	ug/L			07/25/17 11:53	20000
Chloromethane	ND		40000	6000	ug/L			07/25/17 11:53	20000
cis-1,2-Dichloroethene	**4400**	**J**	20000	3000	ug/L			07/25/17 11:53	20000
cis-1,3-Dichloropropene	ND		20000	3200	ug/L			07/25/17 11:53	20000
Dibromomethane	ND		20000	3400	ug/L			07/25/17 11:53	20000
Dichlorobromomethane	ND		20000	3400	ug/L			07/25/17 11:53	20000
Dichlorodifluoromethane	ND		40000	6200	ug/L			07/25/17 11:53	20000
Ethyl methacrylate	ND		60000	17000	ug/L			07/25/17 11:53	20000
Ethylbenzene	ND		20000	3200	ug/L			07/25/17 11:53	20000
Hexachlorobutadiene	ND		20000	7200	ug/L			07/25/17 11:53	20000
Isopropylbenzene	ND		20000	3800	ug/L			07/25/17 11:53	20000
Methyl tert-butyl ether	ND		100000	5000	ug/L			07/25/17 11:53	20000
Methylene Chloride	ND		40000	6400	ug/L			07/25/17 11:53	20000
m-Xylene & p-Xylene	ND		40000	6800	ug/L			07/25/17 11:53	20000

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

Client Sample ID: W_HOLE DRUM — **Lab Sample ID: 280-99329-6**
Date Collected: 07/12/17 15:00 — **Matrix: Water**
Date Received: 07/18/17 15:30

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		20000	4400	ug/L			07/25/17 11:53	20000
n-Butylbenzene	ND		20000	6400	ug/L			07/25/17 11:53	20000
N-Propylbenzene	ND		20000	3200	ug/L			07/25/17 11:53	20000
o-Xylene	ND		20000	3800	ug/L			07/25/17 11:53	20000
sec-Butylbenzene	ND		20000	3400	ug/L			07/25/17 11:53	20000
Styrene	ND		20000	3400	ug/L			07/25/17 11:53	20000
tert-Butylbenzene	ND		20000	3200	ug/L			07/25/17 11:53	20000
Tetrachloroethene	ND		20000	4000	ug/L			07/25/17 11:53	20000
Tetrahydrofuran	ND		140000	41000	ug/L			07/25/17 11:53	20000
Toluene	**760000**		20000	3400	ug/L			07/25/17 11:53	20000
trans-1,2-Dichloroethene	ND		20000	3000	ug/L			07/25/17 11:53	20000
trans-1,3-Dichloropropene	ND		60000	3800	ug/L			07/25/17 11:53	20000
Trichloroethene	**32000**		20000	3200	ug/L			07/25/17 11:53	20000
Trichlorofluoromethane	ND		40000	5800	ug/L			07/25/17 11:53	20000
Vinyl chloride	ND		20000	2000	ug/L			07/25/17 11:53	20000
Xylenes, Total	ND		40000	3800	ug/L			07/25/17 11:53	20000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 127*		*07/25/17 11:53*	*20000*
4-Bromofluorobenzene (Surr)	*112*		*78 - 120*		*07/25/17 11:53*	*20000*
Dibromofluoromethane (Surr)	*101*		*77 - 120*		*07/25/17 11:53*	*20000*
Toluene-d8 (Surr)	*109*		*80 - 125*		*07/25/17 11:53*	*20000*

General Chemistry

Client Sample ID: MW-3 — **Lab Sample ID: 280-99329-2**
Date Collected: 07/17/17 14:00 — **Matrix: Water**
Date Received: 07/18/17 15:30

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0020	mg/L		07/25/17 07:37	07/25/17 12:59	1

Client Sample ID: MW-16 — **Lab Sample ID: 280-99329-3**
Date Collected: 07/17/17 13:30 — **Matrix: Water**
Date Received: 07/18/17 15:30

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.0046	J B	0.020	0.0040	mg/L		07/25/17 07:37	07/25/17 13:01	1

Client Sample ID: MW-15 — **Lab Sample ID: 280-99329-4**
Date Collected: 07/17/17 13:00 — **Matrix: Water**
Date Received: 07/18/17 15:30

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.0040	J B	0.020	0.0040	mg/L		07/25/17 07:37	07/25/17 13:02	1

Client Sample ID: MW-2R — **Lab Sample ID: 280-99329-5**
Date Collected: 07/17/17 15:00 — **Matrix: Water**
Date Received: 07/18/17 15:30

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.0020	J F1 B	0.010	0.0020	mg/L		07/25/17 07:37	07/25/17 13:28	1

Surrogate Summary

Client: Stewart Environmental Consultants Inc
Project/Site: Analytical Testing

TestAmerica Job ID: 280-99329-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	**Client Sample ID**	**12DCE (70-127)**	**BFB (78-120)**	**DBFM (77-120)**	**TOL (80-125)**
280-99329-1	MW-5	95	110	100	106
280-99329-4	MW-15	106	107	101	104
280-99329-5	MW-2R	98	112	104	105
280-99329-6	W_HOLE DRUM	100	112	101	109
LCS 280-381850/4	Lab Control Sample	101	113	107	112
MB 280-381850/6	Method Blank	92	109	99	107

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

QC Sample Results

Client: Stewart Environmental Consultants Inc
Project/Site: Analytical Testing

TestAmerica Job ID: 280-99329-1

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

Lab Sample ID: MB 280-381850/6
Matrix: Water
Analysis Batch: 381850

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/25/17 10:11	1
1,1,1-Trichloroethane	ND		1.0	0.16	ug/L			07/25/17 10:11	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/25/17 10:11	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			07/25/17 10:11	1
1,1-Dichloroethane	ND		1.0	0.22	ug/L			07/25/17 10:11	1
1,1-Dichloroethene	ND		1.0	0.23	ug/L			07/25/17 10:11	1
1,1-Dichloropropene	ND		1.0	0.19	ug/L			07/25/17 10:11	1
1,2,3-Trichlorobenzene	ND		1.0	0.21	ug/L			07/25/17 10:11	1
1,2,3-Trichloropropane	ND		2.5	0.33	ug/L			07/25/17 10:11	1
1,2,4-Trichlorobenzene	ND		1.0	0.21	ug/L			07/25/17 10:11	1
1,2,4-Trimethylbenzene	ND		1.0	0.15	ug/L			07/25/17 10:11	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.47	ug/L			07/25/17 10:11	1
1,2-Dibromoethane	ND		1.0	0.18	ug/L			07/25/17 10:11	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			07/25/17 10:11	1
1,2-Dichloroethane	ND		1.0	0.13	ug/L			07/25/17 10:11	1
1,2-Dichloroethene, Total	ND		1.0	0.24	ug/L			07/25/17 10:11	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			07/25/17 10:11	1
1,3,5-Trimethylbenzene	ND		1.0	0.16	ug/L			07/25/17 10:11	1
1,3-Dichlorobenzene	ND		1.0	0.13	ug/L			07/25/17 10:11	1
1,3-Dichloropropane	ND		1.0	0.22	ug/L			07/25/17 10:11	1
1,4-Dichlorobenzene	ND		1.0	0.16	ug/L			07/25/17 10:11	1
2,2-Dichloropropane	ND		1.0	0.18	ug/L			07/25/17 10:11	1
2-Butanone (MEK)	ND		6.0	2.0	ug/L			07/25/17 10:11	1
2-Chlorotoluene	ND		1.0	0.17	ug/L			07/25/17 10:11	1
2-Hexanone	ND		5.0	1.7	ug/L			07/25/17 10:11	1
2-Pentanone	ND		5.0	1.0	ug/L			07/25/17 10:11	1
4-Chlorotoluene	ND		1.0	0.21	ug/L			07/25/17 10:11	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			07/25/17 10:11	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.98	ug/L			07/25/17 10:11	1
Acetone	ND		10	1.9	ug/L			07/25/17 10:11	1
Acetonitrile	ND		30	9.6	ug/L			07/25/17 10:11	1
Benzene	ND		1.0	0.16	ug/L			07/25/17 10:11	1
Bromobenzene	ND		1.0	0.17	ug/L			07/25/17 10:11	1
Bromoform	ND		1.0	0.19	ug/L			07/25/17 10:11	1
Bromomethane	ND		2.0	0.21	ug/L			07/25/17 10:11	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			07/25/17 10:11	1
Chlorobenzene	ND		1.0	0.17	ug/L			07/25/17 10:11	1
Chlorobromomethane	ND		1.0	0.10	ug/L			07/25/17 10:11	1
Chlorodibromomethane	ND		1.0	0.17	ug/L			07/25/17 10:11	1
Chloroethane	ND		2.0	0.41	ug/L			07/25/17 10:11	1
Chloroform	ND		1.0	0.16	ug/L			07/25/17 10:11	1
Chloromethane	ND		2.0	0.30	ug/L			07/25/17 10:11	1
cis-1,2-Dichloroethene	ND		1.0	0.15	ug/L			07/25/17 10:11	1
cis-1,3-Dichloropropene	ND		1.0	0.16	ug/L			07/25/17 10:11	1
Dibromomethane	ND		1.0	0.17	ug/L			07/25/17 10:11	1
Dichlorobromomethane	ND		1.0	0.17	ug/L			07/25/17 10:11	1
Dichlorodifluoromethane	ND		2.0	0.31	ug/L			07/25/17 10:11	1
Ethyl methacrylate	ND		3.0	0.86	ug/L			07/25/17 10:11	1

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

Lab Sample ID: MB 280-381850/6
Matrix: Water
Analysis Batch: 381850

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.16	ug/L			07/25/17 10:11	1
Hexachlorobutadiene	ND		1.0	0.36	ug/L			07/25/17 10:11	1
Isopropylbenzene	ND		1.0	0.19	ug/L			07/25/17 10:11	1
Methyl tert-butyl ether	ND		5.0	0.25	ug/L			07/25/17 10:11	1
Methylene Chloride	0.644	J	2.0	0.32	ug/L			07/25/17 10:11	1
m-Xylene & p-Xylene	ND		2.0	0.34	ug/L			07/25/17 10:11	1
Naphthalene	ND		1.0	0.22	ug/L			07/25/17 10:11	1
n-Butylbenzene	ND		1.0	0.32	ug/L			07/25/17 10:11	1
N-Propylbenzene	ND		1.0	0.16	ug/L			07/25/17 10:11	1
o-Xylene	ND		1.0	0.19	ug/L			07/25/17 10:11	1
sec-Butylbenzene	ND		1.0	0.17	ug/L			07/25/17 10:11	1
Styrene	ND		1.0	0.17	ug/L			07/25/17 10:11	1
tert-Butylbenzene	ND		1.0	0.16	ug/L			07/25/17 10:11	1
Tetrachloroethene	ND		1.0	0.20	ug/L			07/25/17 10:11	1
Tetrahydrofuran	ND		7.0	2.0	ug/L			07/25/17 10:11	1
Toluene	ND		1.0	0.17	ug/L			07/25/17 10:11	1
trans-1,2-Dichloroethene	ND		1.0	0.15	ug/L			07/25/17 10:11	1
trans-1,3-Dichloropropene	ND		3.0	0.19	ug/L			07/25/17 10:11	1
Trichloroethene	ND		1.0	0.16	ug/L			07/25/17 10:11	1
Trichlorofluoromethane	ND		2.0	0.29	ug/L			07/25/17 10:11	1
Vinyl chloride	ND		1.0	0.10	ug/L			07/25/17 10:11	1
Xylenes, Total	ND		2.0	0.19	ug/L			07/25/17 10:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*70 - 127*		*07/25/17 10:11*	*1*
4-Bromofluorobenzene (Surr)	*109*		*78 - 120*		*07/25/17 10:11*	*1*
Dibromofluoromethane (Surr)	*99*		*77 - 120*		*07/25/17 10:11*	*1*
Toluene-d8 (Surr)	*107*		*80 - 125*		*07/25/17 10:11*	*1*

Lab Sample ID: LCS 280-381850/4
Matrix: Water
Analysis Batch: 381850

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	5.00	4.61		ug/L		92	65 - 135
1,1,1-Trichloroethane	5.00	4.71		ug/L		94	65 - 135
1,1,2,2-Tetrachloroethane	5.00	4.62		ug/L		92	58 - 135
1,1,2-Trichloroethane	5.00	4.89		ug/L		98	64 - 135
1,1-Dichloroethane	5.00	5.04		ug/L		101	65 - 135
1,1-Dichloroethene	5.00	5.10		ug/L		102	65 - 136
1,1-Dichloropropene	5.00	5.35		ug/L		107	65 - 135
1,2,3-Trichlorobenzene	5.00	4.57		ug/L		91	60 - 135
1,2,3-Trichloropropane	5.00	4.76		ug/L		95	65 - 135
1,2,4-Trichlorobenzene	5.00	4.64		ug/L		93	58 - 135
1,2,4-Trimethylbenzene	5.00	4.80		ug/L		96	65 - 135
1,2-Dibromo-3-Chloropropane	5.00	4.31	J	ug/L		86	57 - 135
1,2-Dibromoethane	5.00	4.53		ug/L		91	65 - 135
1,2-Dichlorobenzene	5.00	4.63		ug/L		93	65 - 135

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

Lab Sample ID: LCS 280-381850/4
Matrix: Water
Analysis Batch: 381850

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloroethane	5.00	4.73		ug/L		95	65 - 135
1,2-Dichloroethene, Total	10.0	10.1		ug/L		101	65 - 135
1,2-Dichloropropane	5.00	5.01		ug/L		100	64 - 135
1,3,5-Trimethylbenzene	5.00	4.97		ug/L		99	65 - 135
1,3-Dichlorobenzene	5.00	4.52		ug/L		90	65 - 135
1,3-Dichloropropane	5.00	4.57		ug/L		91	64 - 135
1,4-Dichlorobenzene	5.00	4.58		ug/L		92	65 - 135
2,2-Dichloropropane	5.00	4.48		ug/L		90	65 - 135
2-Butanone (MEK)	20.0	21.2		ug/L		106	44 - 177
2-Chlorotoluene	5.00	4.86		ug/L		97	65 - 135
2-Hexanone	20.0	19.7		ug/L		99	57 - 139
2-Pentanone	20.0	16.5		ug/L		83	24 - 135
4-Chlorotoluene	5.00	5.02		ug/L		100	65 - 135
4-Isopropyltoluene	5.00	5.16		ug/L		103	65 - 135
4-Methyl-2-pentanone (MIBK)	20.0	20.9		ug/L		104	60 - 150
Acetone	20.0	21.7		ug/L		108	39 - 156
Benzene	5.00	5.14		ug/L		103	65 - 135
Bromobenzene	5.00	4.69		ug/L		94	65 - 135
Bromoform	5.00	4.32		ug/L		86	62 - 135
Bromomethane	5.00	5.04		ug/L		101	45 - 135
Carbon tetrachloride	5.00	4.82		ug/L		96	65 - 135
Chlorobenzene	5.00	4.71		ug/L		94	65 - 135
Chlorobromomethane	5.00	4.98		ug/L		100	65 - 135
Chlorodibromomethane	5.00	4.48		ug/L		90	65 - 135
Chloroethane	5.00	5.23		ug/L		105	46 - 136
Chloroform	5.00	4.87		ug/L		97	65 - 135
Chloromethane	5.00	5.77		ug/L		115	34 - 145
cis-1,2-Dichloroethene	5.00	4.86		ug/L		97	65 - 135
cis-1,3-Dichloropropene	5.00	4.81		ug/L		96	65 - 135
Dibromomethane	5.00	4.75		ug/L		95	65 - 135
Dichlorobromomethane	5.00	4.84		ug/L		97	65 - 135
Dichlorodifluoromethane	5.00	6.12		ug/L		122	43 - 142
Ethylbenzene	5.00	4.73		ug/L		95	65 - 135
Hexachlorobutadiene	5.00	4.61		ug/L		92	65 - 135
Isopropylbenzene	5.00	5.21		ug/L		104	65 - 135
Methyl tert-butyl ether	5.00	4.98	J	ug/L		100	54 - 135
Methylene Chloride	5.00	6.03		ug/L		121	54 - 141
m-Xylene & p-Xylene	5.00	4.84		ug/L		97	65 - 135
Naphthalene	5.00	4.17		ug/L		83	42 - 135
n-Butylbenzene	5.00	5.19		ug/L		104	64 - 135
N-Propylbenzene	5.00	5.21		ug/L		104	65 - 135
o-Xylene	5.00	5.00		ug/L		100	65 - 135
sec-Butylbenzene	5.00	4.94		ug/L		99	64 - 135
Styrene	5.00	5.14		ug/L		103	65 - 135
tert-Butylbenzene	5.00	5.11		ug/L		102	65 - 135
Tetrachloroethene	5.00	4.60		ug/L		92	65 - 135
Toluene	5.00	5.30		ug/L		106	65 - 135
trans-1,2-Dichloroethene	5.00	5.27		ug/L		105	65 - 135

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

Lab Sample ID: LCS 280-381850/4 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 381850

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
trans-1,3-Dichloropropene	5.00	4.96		ug/L		99	65 - 135
Trichloroethene	5.00	5.10		ug/L		102	65 - 135
Trichlorofluoromethane	5.00	4.95		ug/L		99	53 - 137
Vinyl chloride	5.00	5.96		ug/L		119	40 - 137
Xylenes, Total	10.0	9.84		ug/L		98	65 - 135

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 127*
4-Bromofluorobenzene (Surr)	*113*		*78 - 120*
Dibromofluoromethane (Surr)	*107*		*77 - 120*
Toluene-d8 (Surr)	*112*		*80 - 125*

Method: 9012A - Cyanide, Total and/or Amenable

Lab Sample ID: MB 280-381847/4-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 381933 — **Prep Batch: 381847**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.00338	J	0.010	0.0020	mg/L		07/25/17 07:37	07/25/17 12:38	1

Lab Sample ID: HLCS 280-381847/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 381933 — **Prep Batch: 381847**

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.350	0.341		mg/L		97	90 - 110

Lab Sample ID: LCS 280-381847/3-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 381933 — **Prep Batch: 381847**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.100	0.101		mg/L		101	90 - 110

Lab Sample ID: LLCS 280-381847/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 381933 — **Prep Batch: 381847**

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.100	0.103		mg/L		103	44 - 167

Lab Sample ID: 280-99329-5 MS — **Client Sample ID: MW-2R**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 381933 — **Prep Batch: 381847**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.0020	J F1 B	0.100	0.118	F1	mg/L		116	90 - 110

Method: 9012A - Cyanide, Total and/or Amenable (Continued)

Lab Sample ID: 280-99329-5 MSD — **Client Sample ID: MW-2R**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 381933 — **Prep Batch: 381847**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyanide, Total	0.0020	J F1 B	0.100	0.123	F1	mg/L		121	90 - 110	4	20

QC Association Summary

Client: Stewart Environmental Consultants Inc
Project/Site: Analytical Testing

TestAmerica Job ID: 280-99329-1

GC/MS VOA

Analysis Batch: 381850

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-99329-1	MW-5	Total/NA	Water	8260B	
280-99329-4	MW-15	Total/NA	Water	8260B	
280-99329-5	MW-2R	Total/NA	Water	8260B	
280-99329-6	W_HOLE DRUM	Total/NA	Water	8260B	
MB 280-381850/6	Method Blank	Total/NA	Water	8260B	
LCS 280-381850/4	Lab Control Sample	Total/NA	Water	8260B	

General Chemistry

Prep Batch: 381847

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-99329-2	MW-3	Total/NA	Water	9012A	
280-99329-3	MW-16	Total/NA	Water	9012A	
280-99329-4	MW-15	Total/NA	Water	9012A	
280-99329-5	MW-2R	Total/NA	Water	9012A	
MB 280-381847/4-A	Method Blank	Total/NA	Water	9012A	
HLCS 280-381847/1-A	Lab Control Sample	Total/NA	Water	9012A	
LCS 280-381847/3-A	Lab Control Sample	Total/NA	Water	9012A	
LLCS 280-381847/2-A	Lab Control Sample	Total/NA	Water	9012A	
280-99329-5 MS	MW-2R	Total/NA	Water	9012A	
280-99329-5 MSD	MW-2R	Total/NA	Water	9012A	

Analysis Batch: 381933

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-99329-2	MW-3	Total/NA	Water	9012A	381847
280-99329-3	MW-16	Total/NA	Water	9012A	381847
280-99329-4	MW-15	Total/NA	Water	9012A	381847
280-99329-5	MW-2R	Total/NA	Water	9012A	381847
MB 280-381847/4-A	Method Blank	Total/NA	Water	9012A	381847
HLCS 280-381847/1-A	Lab Control Sample	Total/NA	Water	9012A	381847
LCS 280-381847/3-A	Lab Control Sample	Total/NA	Water	9012A	381847
LLCS 280-381847/2-A	Lab Control Sample	Total/NA	Water	9012A	381847
280-99329-5 MS	MW-2R	Total/NA	Water	9012A	381847
280-99329-5 MSD	MW-2R	Total/NA	Water	9012A	381847

Lab Chronicle

Client: Stewart Environmental Consultants Inc
Project/Site: Analytical Testing

TestAmerica Job ID: 280-99329-1

Client Sample ID: MW-5 — Lab Sample ID: 280-99329-1

Date Collected: 07/12/17 14:20
Date Received: 07/18/17 15:30
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	20 mL	20 mL	381850	07/25/17 10:52	DPI	TAL DEN

Client Sample ID: MW-3 — Lab Sample ID: 280-99329-2

Date Collected: 07/17/17 14:00
Date Received: 07/18/17 15:30
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	9012A			50 mL	50 mL	381847	07/25/17 07:37	JML	TAL DEN
Total/NA	Analysis	9012A		1	50 mL	50 mL	381933	07/25/17 12:59	JML	TAL DEN

Client Sample ID: MW-16 — Lab Sample ID: 280-99329-3

Date Collected: 07/17/17 13:30
Date Received: 07/18/17 15:30
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	9012A			25 mL	50 mL	381847	07/25/17 07:37	JML	TAL DEN
Total/NA	Analysis	9012A		1	50 mL	50 mL	381933	07/25/17 13:01	JML	TAL DEN

Client Sample ID: MW-15 — Lab Sample ID: 280-99329-4

Date Collected: 07/17/17 13:00
Date Received: 07/18/17 15:30
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	20 mL	20 mL	381850	07/25/17 11:12	DPI	TAL DEN
Total/NA	Prep	9012A			25 mL	50 mL	381847	07/25/17 07:37	JML	TAL DEN
Total/NA	Analysis	9012A		1	50 mL	50 mL	381933	07/25/17 13:02	JML	TAL DEN

Client Sample ID: MW-2R — Lab Sample ID: 280-99329-5

Date Collected: 07/17/17 15:00
Date Received: 07/18/17 15:30
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		200	20 mL	20 mL	381850	07/25/17 11:33	DPI	TAL DEN
Total/NA	Prep	9012A			50 mL	50 mL	381847	07/25/17 07:37	JML	TAL DEN
Total/NA	Analysis	9012A		1	50 mL	50 mL	381933	07/25/17 13:28	JML	TAL DEN

Client Sample ID: W_HOLE DRUM — Lab Sample ID: 280-99329-6

Date Collected: 07/12/17 15:00
Date Received: 07/18/17 15:30
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		20000	20 mL	20 mL	381850	07/25/17 11:53	DPI	TAL DEN

Lab Chronicle

Client: Stewart Environmental Consultants Inc
Project/Site: Analytical Testing

TestAmerica Job ID: 280-99329-1

Laboratory References:

TAL DEN = TestAmerica Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

Accreditation/Certification Summary

Client: Stewart Environmental Consultants Inc
Project/Site: Analytical Testing

TestAmerica Job ID: 280-99329-1

Laboratory: TestAmerica Denver

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
A2LA	DoD ELAP		2907.01	10-31-17
A2LA	ISO/IEC 17025		2907.01	10-31-17
Alabama	State Program	4	40730	09-30-12 *
Alaska (UST)	State Program	10	UST-30	04-05-18
Arizona	State Program	9	AZ0713	12-20-17
Arkansas DEQ	State Program	6	88-0687	06-01-18
California	State Program	9	2513	01-08-18
Connecticut	State Program	1	PH-0686	09-30-18
Florida	NELAP	4	E87667	06-30-18
Georgia	State Program	4	N/A	01-08-18
Illinois	NELAP	5	200017	04-30-18
Iowa	State Program	7	370	12-01-18
Kansas	NELAP	7	E-10166	04-30-18
Louisiana	NELAP	6	02096	06-30-18
Maine	State Program	1	CO0002	03-03-19
Minnesota	NELAP	5	8-999-405	12-31-17
Nevada	State Program	9	CO0026	07-31-17
New Hampshire	NELAP	1	205310	04-28-18
New Jersey	NELAP	2	CO004	06-30-18
New York	NELAP	2	11964	04-01-18
North Carolina (WW/SW)	State Program	4	358	12-31-17
North Dakota	State Program	8	R-034	01-09-18
Oklahoma	State Program	6	8614	08-31-17
Oregon	NELAP	10	4025	01-08-18
Pennsylvania	NELAP	3	68-00664	07-31-17
South Carolina	State Program	4	72002001	01-08-18
Texas	NELAP	6	T104704183-16-12	09-30-17
USDA	Federal		P330-16-00397	12-15-19
Utah	NELAP	8	CO00026	07-31-17
Virginia	NELAP	3	460232	06-14-18
Washington	State Program	10	C583	08-02-17
West Virginia DEP	State Program	3	354	11-30-17
Wisconsin	State Program	5	999615430	08-31-17
Wyoming (UST)	A2LA	8	2907.01	10-31-17

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

CHAIN OF CUSTODY RECORD

STEWART ENVIRONMENTAL CONSULTANTS, LLC.
2600 Canton Ct, Unit C, Fort Collins, CO 80525

Batch:

Telephone: (970) 226-5500
Facsimile: (970) 226-4946

PAGE ___ OF ___

Client No.

LAB

CLIENT: **Stewart Environmental**

SAMPLER

Print:

Signature:

Sample No.	SAMPLE COLLECTION INFO				SAMPLE IDENTIFICATION / NAME	Matrix Type	QC Report Needed	Total No. of Bottles	Analyses Requested
	Date	Time	Grab / Comp	Chlorine (ppm) if applicable					
	7/12/17	14:20			MW5				8260B including: 1,1-DCE; Freon-11; Freon-113; Trans 1,2-DCE; 1,1-DCA; Cis-1,2-DCE; Chloroform; 2-Butanone (MEK); 4-Isopropyltoluene; 1,1,1-TCA; Trichloroethelene (TCE); Toluene; tetrachloroethylene (Perc); tetrahydrofuran (THF); vinyl chloride; total xylenes; benzene; Acetonitrile (Methyl Cyanide); Ethyl Methacrylate; 2-Pentanone, 4-Methanone

280-99329 Chain of Custody

Notes:

Relinquished by	Date / Time	Received by	Date / Time
TJ — TVM	7/13/17 15:30.	[illegible]	7-18-17 0900
Relinquished by	Date / Time	Received by	Date / Time
Relinquished by	Date / Time	Received by	Date / Time
Database Entry By		Date	

REQUESTED COMPLETION DATE

MATRIX TYPE
WW = waste water
DW = drinking water
L = liquid W = water
S = soil SL = sludge
A = Air SD = Solid

____CDPHE REPORT REQUIRED

PWSID #

REPORT TO: Trevor Mueller

PHONE: 970 226.5500 FAX:

E-MAIL: Lab@stewartenv.com

CLIENT:

ADDRESS: 2600 Canton Ct, Suite C

CITY, STATE, ZIP: Fort Collins, CO 80525

INVOICE TO:

ADDRESS:

CITY, STATE ZIP:

1,4 DIOXANE 8.0 Transfer RR 7-18-17

CHAIN OF CUSTODY RECORD

STEWART ENVIRONMENTAL CONSULTANTS, LLC.
2600 Canton Ct, Unit C, Fort Collins, CO 80525

Batch:

Telephone: (970) 226-5500
Facsimile: (970) 226-4946

PAGE ____ OF ____

Client No.

LAB

CLIENT: Stewart Environmental

SAMPLER

Print:

Signature:

Sample No.	SAMPLE COLLECTION INFO Date	Time	Grab / Comp	Chlorine (ppm) if applicable	SAMPLE IDENTIFICATION / NAME	Matrix Type	QC Report Needed	Total No. of Bottles	Analyses Requested
L	7/17/17	14:00			MW-3				Cyanide
A	↓	13:30			MW-16				↓
B									
U									
S									
E									
O									
N									
L									
Y									

Notes:

REPORT TO:

PHONE:

FAX:

E-MAIL:

CLIENT:

ADDRESS:

CITY, STATE, ZIP:

INVOICE TO:

ADDRESS:

CITY, STATE, ZIP:

Relinquished by	Date / Time	Received by	Date / Time
JZ — TVM	7/18/17 15:30	[illegible]	7-18-17 0900
Relinquished by	Date / Time	Received by	Date / Time
Relinquished by	Date / Time	Received by	Date / Time
Database Entry By		Date	

REQUESTED COMPLETION DATE

MATRIX TYPE
WW = waste water
DW = drinking water
L = liquid W = water
S = soil SL = sludge
A = Air SD = Solid

_____CDPHE REPORT REQUIRED

PWSID #

CHAIN OF CUSTODY RECORD

STEWART ENVIRONMENTAL CONSULTANTS, LLC.
2600 Canton Ct, Unit C, Fort Collins, CO 80525

Batch:

Telephone: (970) 226-5500
Facsimile: (970) 226-4946

PAGE ____ OF ____

Client No.
LAB

CLIENT: **Stewart Environmental**

SAMPLER
Print:
Signature:

Sample No.	SAMPLE COLLECTION INFO: Date	Time	Grab / Comp	Chlorine (ppm) if applicable	SAMPLE IDENTIFICATION / NAME	Matrix Type	QC Report Needed	Total No. of Bottles	Analyses Requested
	7/17/17	1300			MW-15				8260B including: 1,1-DCE; Freon-11; Freon-113; Trans 1,2-DCE; 1,1-DCA; Cis-1,2-DCE; Chloroform; 2-Butanone (MEK); 4-Isopropyltoluene; 1,1,1-TCA; Trichloroethelene (TCE); Toluene; tetrachloroethylene (Perc); tetrahydrofuran (THF); vinyl chloride; total xylenes; benzene; Acetonitrile (Methyl Cyanide); Ethyl Methacrylate; 2-Pentanone, 4-Methanone Cyanide

Notes:

Relinquished by	Date / Time	Received by	Date / Time
[illegible]	7/19/17 15:38	[illegible]	7-18-17 1530
Relinquished by	Date / Time	Received by	Date / Time
Relinquished by	Date / Time	Received by	Date / Time
Database Entry By		Date	

REQUESTED COMPLETION DATE

MATRIX TYPE
WW = waste water
DW = drinking water
L = liquid W = water
S = soil SL = sludge
A = Air SD = Solid

____CDPHE REPORT REQUIRED

PWSID #

REPORT TO: Trevor Mueller
PHONE: 970.226.5500 FAX:
E-MAIL: Lab@stewartenv.com
CLIENT:
ADDRESS: 2600 Canton Ct, Suite C
CITY, STATE, ZIP: Fort Collins, CO 80525
INVOICE TO:
ADDRESS:
CITY, STATE, ZIP:

CHAIN OF CUSTODY RECORD

STEWART ENVIRONMENTAL CONSULTANTS, LLC.
2600 Canton Ct, Unit C, Fort Collins, CO 80525

Batch:

Telephone: (970) 226-5500
Facsimile: (970) 226-4946

PAGE ____ OF ____

Client No.

LAB

CLIENT: **Stewart Environmental**

SAMPLER

Print:

Signature:

Sample No.	SAMPLE COLLECTION INFO				SAMPLE IDENTIFICATION / NAME	Matrix Type	QC Report Needed	Total No. of Bottles	Analyses Requested
	Date	Time	Grab / Comp	Chlorine (ppm) # applicable					
	7/17/17	15:00	g		MW-2R				8260B Including: 1,1-DCE; Freon-11; Freon-113; Trans 1,2-DCE; 1,1-DCA; Cis-1,2-DCE; Chloroform; 2-Butanone (MEK); 4-Isopropyltoluene; 1,1,1-TCA; Trichloroethelene (TCE); Toluene; tetrachloroethylene (Perc); tetrahydrofuran (THF); vinyl chloride; total xylenes; benzene; Acetonitrile (Methyl Cyanide); Ethyl Methacrylate; 2-Pentanone, 4-Methanone Cyanide

Notes:

Relinquished by	Date / Time	Received by	Date / Time
TJM	7/18/17 15:30	Received	7-18-17 1530
Relinquished by	Date / Time	Received by	Date / Time
Relinquished by	Date / Time	Received by	Date / Time
Database Entry By		Date	

REQUESTED COMPLETION DATE

MATRIX TYPE
WW = waste water
DW = drinking water
L = liquid W = water
S = soil SL = sludge
A = Air SD = Solid

____ CDPHE REPORT REQUIRED

PWSID #

REPORT TO: Trevor Mueller

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E-MAIL: Lab@stewartenv.com

CLIENT:

ADDRESS: 2600 Canton Ct, Suite C

CITY, STATE, ZIP: Fort Collins, CO 80525

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ADDRESS:

CITY, STATE, ZIP:

CHAIN OF CUSTODY RECORD

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Batch:

Telephone: (970) 226-5500
Facsimile: (970) 226-4946

PAGE ___ OF ___

Client No.

LAB

CLIENT: **Stewart Environmental**

SAMPLER

Print:

Signature:

Sample No.	SAMPLE COLLECTION INFO				SAMPLE IDENTIFICATION / NAME	Matrix Type	QC Report Needed	Total No. of Bottles	Analyses Requested
	Date	Time	Grab / Comp	Chlorine (ppm) if applicable					
	7/12/17	1500			whole drum				8260B including: 1,1-DCE; Freon-11; Freon-113; Trans 1,2-DCE; 1,1-DCA; Cis-1,2-DCE; Chloroform; 2-Butanone (MEK); 4-Isopropyltoluene; 1,1,1-TCA; Trichloroethelene (TCE); Toluene; tetrachloroethylene (Perc); tetrahydrofuran (THF); vinyl chloride; total xylenes; benzene; Acetonitrile (Methyl Cyanide); Ethyl Methacrylate; 2-Pentanone, 4-Methanone

Notes:

Relinquished by	Date / Time	Received by	Date / Time
TL — TNM	7/18/17 1530	Reed Ke	7-18-17 1530
Relinquished by	Date / Time	Received by	Date / Time
Relinquished by	Date / Time	Received by	Date / Time
Database Entry By		Date	

REQUESTED COMPLETION DATE

MATRIX TYPE
WW = waste water
DW = drinking water
L = liquid W = water
S = soil SL = sludge
A = Air SD = Solid

____CDPHE REPORT REQUIRED

PWSID #

REPORT TO: Trevor Mueller

PHONE: 970.226.5500 FAX:

E-MAIL: Lab@stewartenv.com

CLIENT:

ADDRESS: 2600 Canton Ct, Suite C

CITY, STATE, ZIP: Fort Collins, CO 80525

INVOICE TO:

ADDRESS:

CITY, STATE ZIP:

Login Sample Receipt Checklist

Client: Stewart Environmental Consultants Inc

Job Number: 280-99329-1

Login Number: 99329
List Number: 1
Creator: Pottruff, Reed W

List Source: TestAmerica Denver

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are 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	
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?	False	Refer to Job Narrative for details.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	False	Refer to Job Narrative for details.
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Denver
4955 Yarrow Street
Arvada, CO 80002
Tel: (303)736-0100

TestAmerica Job ID: 280-99516-1
Client Project/Site: Analytical Testing

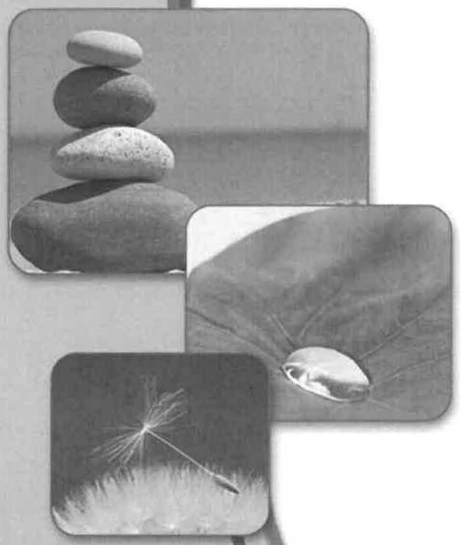
For:
Stewart Environmental Consultants Inc
748 Whalers Way
Unit 210
Fort Collins, Colorado 80525

Attn: Mr. Trevor Mueller

Stephanie Rothmeyer

Authorized for release by:
8/7/2017 8:45:00 AM

Stephanie Rothmeyer, Project Manager I
(303)736-0182
stephanie.rothmeyer@testamericainc.com



LINKS

Review your project results through TotalAccess

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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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QC Sample Results 16
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Receipt Checklists 34

Definitions/Glossary

Client: Stewart Environmental Consultants Inc
Project/Site: Analytical Testing

TestAmerica Job ID: 280-99516-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
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: 280-99516-1

Laboratory: TestAmerica Denver

Narrative

CASE NARRATIVE

Client: Stewart Environmental Consultants Inc

Project: Analytical Testing

Report Number: 280-99516-1

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

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

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

RECEIPT
The samples were received on 7/24/2017 at 2:15 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.9° C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)
Samples MW20 (280-99516-18) and MW13 (280-99516-20) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 08/02/2017.

Methylene Chloride was detected in method blank MB 280-382856/8 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Refer to the QC report for details.

Sample MW13 (280-99516-20)[40X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TOTAL MERCURY
Samples MW1 (280-99516-1), MW2R (280-99516-2), MW3 (280-99516-3), MW6 (280-99516-4), MW15 (280-99516-5), MW16 (280-99516-6), MW5 (280-99516-7), MW12 (280-99516-8), MW13 (280-99516-9), MW20 (280-99516-10) and MW11 (280-99516-11) were analyzed for total mercury in accordance with EPA SW-846 Methods 7470A. The samples were prepared and analyzed on 07/27/2017.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TOTAL CYANIDE
Samples MW6 (280-99516-12), MW11 (280-99516-13), MW12 (280-99516-14), MW1 (280-99516-15), MW5 (280-99516-16), MW15 (280-99516-17), MW20 (280-99516-18) and MW3 (280-99516-19) were analyzed for total cyanide in accordance with EPA SW-846 Method 9012A. The samples were prepared and analyzed on 08/01/2017 and 08/03/2017.

Cyanide, Total was detected in method blank MB 280-382720/4-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Refer to the QC report for details.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Stewart Environmental Consultants Inc
Project/Site: Analytical Testing

TestAmerica Job ID: 280-99516-1

Client Sample ID: MW1 — Lab Sample ID: 280-99516-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.033	J	0.20	0.027	ug/L	1		7470A	Total/NA

Client Sample ID: MW2R — Lab Sample ID: 280-99516-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.030	J	0.20	0.027	ug/L	1		7470A	Total/NA

Client Sample ID: MW3 — Lab Sample ID: 280-99516-3

No Detections.

Client Sample ID: MW6 — Lab Sample ID: 280-99516-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	1.1		0.20	0.027	ug/L	1		7470A	Total/NA

Client Sample ID: MW15 — Lab Sample ID: 280-99516-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	1.0		0.20	0.027	ug/L	1		7470A	Total/NA

Client Sample ID: MW16 — Lab Sample ID: 280-99516-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	1.1		0.20	0.027	ug/L	1		7470A	Total/NA

Client Sample ID: MW5 — Lab Sample ID: 280-99516-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.092	J	0.20	0.027	ug/L	1		7470A	Total/NA

Client Sample ID: MW12 — Lab Sample ID: 280-99516-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	2.6		0.20	0.027	ug/L	1		7470A	Total/NA

Client Sample ID: MW13 — Lab Sample ID: 280-99516-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.043	J	0.20	0.027	ug/L	1		7470A	Total/NA

Client Sample ID: MW20 — Lab Sample ID: 280-99516-10

No Detections.

Client Sample ID: MW11 — Lab Sample ID: 280-99516-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.58		0.20	0.027	ug/L	1		7470A	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Stewart Environmental Consultants Inc
Project/Site: Analytical Testing

TestAmerica Job ID: 280-99516-1

Client Sample ID: MW6 — Lab Sample ID: 280-99516-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cyanide, Total	0.011	B	0.010	0.0020	mg/L	1		9012A	Total/NA

Client Sample ID: MW11 — Lab Sample ID: 280-99516-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cyanide, Total	0.024	B	0.010	0.0020	mg/L	1		9012A	Total/NA

Client Sample ID: MW12 — Lab Sample ID: 280-99516-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cyanide, Total	0.035	B	0.010	0.0020	mg/L	1		9012A	Total/NA

Client Sample ID: MW1 — Lab Sample ID: 280-99516-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cyanide, Total	0.0080	J	0.010	0.0020	mg/L	1		9012A	Total/NA

Client Sample ID: MW5 — Lab Sample ID: 280-99516-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cyanide, Total	0.0022	J	0.010	0.0020	mg/L	1		9012A	Total/NA

Client Sample ID: MW15 — Lab Sample ID: 280-99516-17

No Detections.

Client Sample ID: MW20 — Lab Sample ID: 280-99516-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	28		10	1.9	ug/L	1		8260B	Total/NA
o-Xylene	0.23	J	1.0	0.19	ug/L	1		8260B	Total/NA
Toluene	0.17	J	1.0	0.17	ug/L	1		8260B	Total/NA
Xylenes, Total	0.23	J	2.0	0.19	ug/L	1		8260B	Total/NA

Client Sample ID: MW3 — Lab Sample ID: 280-99516-19

No Detections.

Client Sample ID: MW13 — Lab Sample ID: 280-99516-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	17	J	40	8.8	ug/L	40		8260B	Total/NA
1,1-Dichloroethene	240		40	9.2	ug/L	40		8260B	Total/NA
Acetone	110	J	400	76	ug/L	40		8260B	Total/NA
Freon 113	200		120	17	ug/L	40		8260B	Total/NA
Methylene Chloride	26	J B	80	13	ug/L	40		8260B	Total/NA
Tetrahydrofuran	99	J	280	81	ug/L	40		8260B	Total/NA
Trichloroethene	1500		40	6.4	ug/L	40		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Stewart Environmental Consultants Inc
Project/Site: Analytical Testing

TestAmerica Job ID: 280-99516-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL DEN
7470A	Mercury (CVAA)	SW846	TAL DEN
9012A	Cyanide, Total and/or Amenable	SW846	TAL DEN

Protocol References:

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

Laboratory References:

TAL DEN = TestAmerica Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

Sample Summary

Client: Stewart Environmental Consultants Inc
Project/Site: Analytical Testing

TestAmerica Job ID: 280-99516-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
280-99516-1	MW1	Water	07/06/17 15:00	07/24/17 14:15
280-99516-2	MW2R	Water	07/17/17 15:00	07/24/17 14:15
280-99516-3	MW3	Water	07/10/17 10:50	07/24/17 14:15
280-99516-4	MW6	Water	07/10/17 13:15	07/24/17 14:15
280-99516-5	MW15	Water	07/10/17 14:30	07/24/17 14:15
280-99516-6	MW16	Water	07/06/17 13:30	07/24/17 14:15
280-99516-7	MW5	Water	07/12/17 14:20	07/24/17 14:15
280-99516-8	MW12	Water	07/11/17 15:20	07/24/17 14:15
280-99516-9	MW13	Water	07/12/17 10:00	07/24/17 14:15
280-99516-10	MW20	Water	07/13/17 14:20	07/24/17 14:15
280-99516-11	MW11	Water	07/11/17 13:50	07/24/17 14:15
280-99516-12	MW6	Water	07/19/17 12:40	07/24/17 14:15
280-99516-13	MW11	Water	07/19/17 13:20	07/24/17 14:15
280-99516-14	MW12	Water	07/19/17 13:00	07/24/17 14:15
280-99516-15	MW1	Water	07/20/17 14:00	07/24/17 14:15
280-99516-16	MW5	Water	07/20/17 12:30	07/24/17 14:15
280-99516-17	MW15	Water	07/20/17 14:30	07/24/17 14:15
280-99516-18	MW20	Water	07/20/17 13:10	07/24/17 14:15
280-99516-19	MW3	Water	07/20/17 15:10	07/24/17 14:15
280-99516-20	MW13	Water	07/20/17 16:00	07/24/17 14:15

Client Sample Results

Client: Stewart Environmental Consultants Inc
Project/Site: Analytical Testing

TestAmerica Job ID: 280-99516-1

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

Client Sample ID: MW20
Date Collected: 07/20/17 13:10
Date Received: 07/24/17 14:15

Lab Sample ID: 280-99516-18
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/02/17 12:41	1
1,1,1-Trichloroethane	ND		1.0	0.16	ug/L			08/02/17 12:41	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/02/17 12:41	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			08/02/17 12:41	1
1,1-Dichloroethane	ND		1.0	0.22	ug/L			08/02/17 12:41	1
1,1-Dichloroethene	ND		1.0	0.23	ug/L			08/02/17 12:41	1
1,1-Dichloropropene	ND		1.0	0.19	ug/L			08/02/17 12:41	1
1,2,3-Trichlorobenzene	ND		1.0	0.21	ug/L			08/02/17 12:41	1
1,2,3-Trichloropropane	ND		2.5	0.33	ug/L			08/02/17 12:41	1
1,2,4-Trichlorobenzene	ND		1.0	0.21	ug/L			08/02/17 12:41	1
1,2,4-Trimethylbenzene	ND		1.0	0.15	ug/L			08/02/17 12:41	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.47	ug/L			08/02/17 12:41	1
1,2-Dibromoethane	ND		1.0	0.18	ug/L			08/02/17 12:41	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			08/02/17 12:41	1
1,2-Dichloroethane	ND		1.0	0.13	ug/L			08/02/17 12:41	1
1,2-Dichloroethene, Total	ND		1.0	0.24	ug/L			08/02/17 12:41	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			08/02/17 12:41	1
1,3,5-Trimethylbenzene	ND		1.0	0.16	ug/L			08/02/17 12:41	1
1,3-Dichlorobenzene	ND		1.0	0.13	ug/L			08/02/17 12:41	1
1,3-Dichloropropane	ND		1.0	0.22	ug/L			08/02/17 12:41	1
1,4-Dichlorobenzene	ND		1.0	0.16	ug/L			08/02/17 12:41	1
2,2-Dichloropropane	ND		1.0	0.18	ug/L			08/02/17 12:41	1
2-Butanone (MEK)	ND		6.0	2.0	ug/L			08/02/17 12:41	1
2-Chlorotoluene	ND		1.0	0.17	ug/L			08/02/17 12:41	1
2-Hexanone	ND		5.0	1.7	ug/L			08/02/17 12:41	1
2-Pentanone	ND		5.0	1.0	ug/L			08/02/17 12:41	1
4-Chlorotoluene	ND		1.0	0.21	ug/L			08/02/17 12:41	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			08/02/17 12:41	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.98	ug/L			08/02/17 12:41	1
Acetone	**28**		10	1.9	ug/L			08/02/17 12:41	1
Acetonitrile	ND		30	9.6	ug/L			08/02/17 12:41	1
Benzene	ND		1.0	0.16	ug/L			08/02/17 12:41	1
Bromobenzene	ND		1.0	0.17	ug/L			08/02/17 12:41	1
Bromoform	ND		1.0	0.19	ug/L			08/02/17 12:41	1
Bromomethane	ND		2.0	0.21	ug/L			08/02/17 12:41	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			08/02/17 12:41	1
Chlorobenzene	ND		1.0	0.17	ug/L			08/02/17 12:41	1
Chlorobromomethane	ND		1.0	0.10	ug/L			08/02/17 12:41	1
Chlorodibromomethane	ND		1.0	0.17	ug/L			08/02/17 12:41	1
Chloroethane	ND		2.0	0.41	ug/L			08/02/17 12:41	1
Chloroform	ND		1.0	0.16	ug/L			08/02/17 12:41	1
Chloromethane	ND		2.0	0.30	ug/L			08/02/17 12:41	1
cis-1,2-Dichloroethene	ND		1.0	0.15	ug/L			08/02/17 12:41	1
cis-1,3-Dichloropropene	ND		1.0	0.16	ug/L			08/02/17 12:41	1
Dibromomethane	ND		1.0	0.17	ug/L			08/02/17 12:41	1
Dichlorobromomethane	ND		1.0	0.17	ug/L			08/02/17 12:41	1
Dichlorodifluoromethane	ND		2.0	0.31	ug/L			08/02/17 12:41	1
Ethyl methacrylate	ND		3.0	0.86	ug/L			08/02/17 12:41	1
Ethylbenzene	ND		1.0	0.16	ug/L			08/02/17 12:41	1

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

Client Sample ID: MW20
Date Collected: 07/20/17 13:10
Date Received: 07/24/17 14:15

Lab Sample ID: 280-99516-18
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Freon 113	ND		3.0	0.42	ug/L			08/02/17 12:41	1
Hexachlorobutadiene	ND		1.0	0.36	ug/L			08/02/17 12:41	1
Isopropylbenzene	ND		1.0	0.19	ug/L			08/02/17 12:41	1
Methyl tert-butyl ether	ND		5.0	0.25	ug/L			08/02/17 12:41	1
Methylene Chloride	ND		2.0	0.32	ug/L			08/02/17 12:41	1
m-Xylene & p-Xylene	ND		2.0	0.34	ug/L			08/02/17 12:41	1
Naphthalene	ND		1.0	0.22	ug/L			08/02/17 12:41	1
n-Butylbenzene	ND		1.0	0.32	ug/L			08/02/17 12:41	1
N-Propylbenzene	ND		1.0	0.16	ug/L			08/02/17 12:41	1
o-Xylene	**0.23**	**J**	1.0	0.19	ug/L			08/02/17 12:41	1
sec-Butylbenzene	ND		1.0	0.17	ug/L			08/02/17 12:41	1
Styrene	ND		1.0	0.17	ug/L			08/02/17 12:41	1
tert-Butylbenzene	ND		1.0	0.16	ug/L			08/02/17 12:41	1
Tetrachloroethene	ND		1.0	0.20	ug/L			08/02/17 12:41	1
Tetrahydrofuran	ND		7.0	2.0	ug/L			08/02/17 12:41	1
Toluene	**0.17**	**J**	1.0	0.17	ug/L			08/02/17 12:41	1
trans-1,2-Dichloroethene	ND		1.0	0.15	ug/L			08/02/17 12:41	1
trans-1,3-Dichloropropene	ND		3.0	0.19	ug/L			08/02/17 12:41	1
Trichloroethene	ND		1.0	0.16	ug/L			08/02/17 12:41	1
Freon-11	ND		2.0	0.29	ug/L			08/02/17 12:41	1
Vinyl chloride	ND		1.0	0.10	ug/L			08/02/17 12:41	1
Xylenes, Total	**0.23**	**J**	2.0	0.19	ug/L			08/02/17 12:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*70 - 127*		*08/02/17 12:41*	*1*
4-Bromofluorobenzene (Surr)	*94*		*78 - 120*		*08/02/17 12:41*	*1*
Dibromofluoromethane (Surr)	*97*		*77 - 120*		*08/02/17 12:41*	*1*
Toluene-d8 (Surr)	*99*		*80 - 125*		*08/02/17 12:41*	*1*

Client Sample ID: MW13
Date Collected: 07/20/17 16:00
Date Received: 07/24/17 14:15

Lab Sample ID: 280-99516-20
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		40	8.4	ug/L			08/02/17 13:04	40
1,1,1-Trichloroethane	ND		40	6.4	ug/L			08/02/17 13:04	40
1,1,2,2-Tetrachloroethane	ND		40	8.4	ug/L			08/02/17 13:04	40
1,1,2-Trichloroethane	ND		40	11	ug/L			08/02/17 13:04	40
1,1-Dichloroethane	**17**	**J**	40	8.8	ug/L			08/02/17 13:04	40
1,1-Dichloroethene	**240**		40	9.2	ug/L			08/02/17 13:04	40
1,1-Dichloropropene	ND		40	7.6	ug/L			08/02/17 13:04	40
1,2,3-Trichlorobenzene	ND		40	8.4	ug/L			08/02/17 13:04	40
1,2,3-Trichloropropane	ND		100	13	ug/L			08/02/17 13:04	40
1,2,4-Trichlorobenzene	ND		40	8.4	ug/L			08/02/17 13:04	40
1,2,4-Trimethylbenzene	ND		40	6.0	ug/L			08/02/17 13:04	40
1,2-Dibromo-3-Chloropropane	ND		200	19	ug/L			08/02/17 13:04	40
1,2-Dibromoethane	ND		40	7.2	ug/L			08/02/17 13:04	40
1,2-Dichlorobenzene	ND		40	6.0	ug/L			08/02/17 13:04	40
1,2-Dichloroethane	ND		40	5.2	ug/L			08/02/17 13:04	40
1,2-Dichloroethene, Total	ND		40	9.6	ug/L			08/02/17 13:04	40
1,2-Dichloropropane	ND		40	7.2	ug/L			08/02/17 13:04	40

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

Client Sample ID: MW13
Date Collected: 07/20/17 16:00
Date Received: 07/24/17 14:15

Lab Sample ID: 280-99516-20
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	ND		40	6.4	ug/L			08/02/17 13:04	40
1,3-Dichlorobenzene	ND		40	5.2	ug/L			08/02/17 13:04	40
1,3-Dichloropropane	ND		40	8.8	ug/L			08/02/17 13:04	40
1,4-Dichlorobenzene	ND		40	6.4	ug/L			08/02/17 13:04	40
2,2-Dichloropropane	ND		40	7.2	ug/L			08/02/17 13:04	40
2-Butanone (MEK)	ND		240	80	ug/L			08/02/17 13:04	40
2-Chlorotoluene	ND		40	6.8	ug/L			08/02/17 13:04	40
2-Hexanone	ND		200	68	ug/L			08/02/17 13:04	40
2-Pentanone	ND		200	40	ug/L			08/02/17 13:04	40
4-Chlorotoluene	ND		40	8.4	ug/L			08/02/17 13:04	40
4-Isopropyltoluene	ND		40	8.0	ug/L			08/02/17 13:04	40
4-Methyl-2-pentanone (MIBK)	ND		200	39	ug/L			08/02/17 13:04	40
Acetone	**110**	**J**	400	76	ug/L			08/02/17 13:04	40
Acetonitrile	ND		1200	380	ug/L			08/02/17 13:04	40
Benzene	ND		40	6.4	ug/L			08/02/17 13:04	40
Bromobenzene	ND		40	6.8	ug/L			08/02/17 13:04	40
Bromoform	ND		40	7.6	ug/L			08/02/17 13:04	40
Bromomethane	ND		80	8.4	ug/L			08/02/17 13:04	40
Carbon tetrachloride	ND		40	7.6	ug/L			08/02/17 13:04	40
Chlorobenzene	ND		40	6.8	ug/L			08/02/17 13:04	40
Chlorobromomethane	ND		40	4.0	ug/L			08/02/17 13:04	40
Chlorodibromomethane	ND		40	6.8	ug/L			08/02/17 13:04	40
Chloroethane	ND		80	16	ug/L			08/02/17 13:04	40
Chloroform	ND		40	6.4	ug/L			08/02/17 13:04	40
Chloromethane	ND		80	12	ug/L			08/02/17 13:04	40
cis-1,2-Dichloroethene	ND		40	6.0	ug/L			08/02/17 13:04	40
cis-1,3-Dichloropropene	ND		40	6.4	ug/L			08/02/17 13:04	40
Dibromomethane	ND		40	6.8	ug/L			08/02/17 13:04	40
Dichlorobromomethane	ND		40	6.8	ug/L			08/02/17 13:04	40
Dichlorodifluoromethane	ND		80	12	ug/L			08/02/17 13:04	40
Ethyl methacrylate	ND		120	34	ug/L			08/02/17 13:04	40
Ethylbenzene	ND		40	6.4	ug/L			08/02/17 13:04	40
Freon 113	**200**		120	17	ug/L			08/02/17 13:04	40
Hexachlorobutadiene	ND		40	14	ug/L			08/02/17 13:04	40
Isopropylbenzene	ND		40	7.6	ug/L			08/02/17 13:04	40
Methyl tert-butyl ether	ND		200	10	ug/L			08/02/17 13:04	40
Methylene Chloride	**26**	**J B**	80	13	ug/L			08/02/17 13:04	40
m-Xylene & p-Xylene	ND		80	14	ug/L			08/02/17 13:04	40
Naphthalene	ND		40	8.8	ug/L			08/02/17 13:04	40
n-Butylbenzene	ND		40	13	ug/L			08/02/17 13:04	40
N-Propylbenzene	ND		40	6.4	ug/L			08/02/17 13:04	40
o-Xylene	ND		40	7.6	ug/L			08/02/17 13:04	40
sec-Butylbenzene	ND		40	6.8	ug/L			08/02/17 13:04	40
Styrene	ND		40	6.8	ug/L			08/02/17 13:04	40
tert-Butylbenzene	ND		40	6.4	ug/L			08/02/17 13:04	40
Tetrachloroethene	ND		40	8.0	ug/L			08/02/17 13:04	40
Tetrahydrofuran	**99**	**J**	280	81	ug/L			08/02/17 13:04	40
Toluene	ND		40	6.8	ug/L			08/02/17 13:04	40
trans-1,2-Dichloroethene	ND		40	6.0	ug/L			08/02/17 13:04	40

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

Client Sample ID: MW13 — **Lab Sample ID: 280-99516-20**
Date Collected: 07/20/17 16:00 — **Matrix: Water**
Date Received: 07/24/17 14:15

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		120	7.6	ug/L			08/02/17 13:04	40
Trichloroethene	**1500**		40	6.4	ug/L			08/02/17 13:04	40
Freon-11	ND		80	12	ug/L			08/02/17 13:04	40
Vinyl chloride	ND		40	4.0	ug/L			08/02/17 13:04	40
Xylenes, Total	ND		80	7.6	ug/L			08/02/17 13:04	40

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*70 - 127*		*08/02/17 13:04*	*40*
4-Bromofluorobenzene (Surr)	*95*		*78 - 120*		*08/02/17 13:04*	*40*
Dibromofluoromethane (Surr)	*96*		*77 - 120*		*08/02/17 13:04*	*40*
Toluene-d8 (Surr)	*98*		*80 - 125*		*08/02/17 13:04*	*40*

Method: 7470A - Mercury (CVAA)

Client Sample ID: MW1 — **Lab Sample ID: 280-99516-1**
Date Collected: 07/06/17 15:00 — **Matrix: Water**
Date Received: 07/24/17 14:15

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.033	J	0.20	0.027	ug/L		07/27/17 11:42	07/27/17 15:28	1

Client Sample ID: MW2R — **Lab Sample ID: 280-99516-2**
Date Collected: 07/17/17 15:00 — **Matrix: Water**
Date Received: 07/24/17 14:15

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.030	J	0.20	0.027	ug/L		07/27/17 11:42	07/27/17 15:30	1

Client Sample ID: MW3 — **Lab Sample ID: 280-99516-3**
Date Collected: 07/10/17 10:50 — **Matrix: Water**
Date Received: 07/24/17 14:15

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.027	ug/L		07/27/17 11:42	07/27/17 15:33	1

Client Sample ID: MW6 — **Lab Sample ID: 280-99516-4**
Date Collected: 07/10/17 13:15 — **Matrix: Water**
Date Received: 07/24/17 14:15

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	1.1		0.20	0.027	ug/L		07/27/17 11:42	07/27/17 15:35	1

Client Sample ID: MW15 — **Lab Sample ID: 280-99516-5**
Date Collected: 07/10/17 14:30 — **Matrix: Water**
Date Received: 07/24/17 14:15

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	1.0		0.20	0.027	ug/L		07/27/17 11:42	07/27/17 15:37	1

Client Sample ID: MW16 — **Lab Sample ID: 280-99516-6**
Date Collected: 07/06/17 13:30 — **Matrix: Water**
Date Received: 07/24/17 14:15

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	1.1		0.20	0.027	ug/L		07/27/17 11:42	07/27/17 15:44	1

Method: 7470A - Mercury (CVAA)

Client Sample ID: MW5 — **Lab Sample ID: 280-99516-7**
Date Collected: 07/12/17 14:20 — **Matrix: Water**
Date Received: 07/24/17 14:15

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.092	J	0.20	0.027	ug/L		07/27/17 11:42	07/27/17 15:46	1

Client Sample ID: MW12 — **Lab Sample ID: 280-99516-8**
Date Collected: 07/11/17 15:20 — **Matrix: Water**
Date Received: 07/24/17 14:15

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	2.6		0.20	0.027	ug/L		07/27/17 11:42	07/27/17 15:48	1

Client Sample ID: MW13 — **Lab Sample ID: 280-99516-9**
Date Collected: 07/12/17 10:00 — **Matrix: Water**
Date Received: 07/24/17 14:15

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.043	J	0.20	0.027	ug/L		07/27/17 11:42	07/27/17 15:51	1

Client Sample ID: MW20 — **Lab Sample ID: 280-99516-10**
Date Collected: 07/13/17 14:20 — **Matrix: Water**
Date Received: 07/24/17 14:15

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.027	ug/L		07/27/17 11:42	07/27/17 15:53	1

Client Sample ID: MW11 — **Lab Sample ID: 280-99516-11**
Date Collected: 07/11/17 13:50 — **Matrix: Water**
Date Received: 07/24/17 14:15

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.58		0.20	0.027	ug/L		07/27/17 11:42	07/27/17 15:55	1

General Chemistry

Client Sample ID: MW6 — **Lab Sample ID: 280-99516-12**
Date Collected: 07/19/17 12:40 — **Matrix: Water**
Date Received: 07/24/17 14:15

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.011	B	0.010	0.0020	mg/L		08/01/17 07:01	08/01/17 10:12	1

Client Sample ID: MW11 — **Lab Sample ID: 280-99516-13**
Date Collected: 07/19/17 13:20 — **Matrix: Water**
Date Received: 07/24/17 14:15

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.024	B	0.010	0.0020	mg/L		08/01/17 07:01	08/01/17 10:14	1

Client Sample ID: MW12 — **Lab Sample ID: 280-99516-14**
Date Collected: 07/19/17 13:00 — **Matrix: Water**
Date Received: 07/24/17 14:15

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.035	B	0.010	0.0020	mg/L		08/01/17 07:01	08/01/17 10:23	1

Client Sample ID: MW1 — **Lab Sample ID: 280-99516-15**
Date Collected: 07/20/17 14:00 — **Matrix: Water**
Date Received: 07/24/17 14:15

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.0080	J	0.010	0.0020	mg/L		08/03/17 07:23	08/03/17 11:34	1

Client Sample Results

Client: Stewart Environmental Consultants Inc
Project/Site: Analytical Testing

TestAmerica Job ID: 280-99516-1

General Chemistry

Client Sample ID: MW5
Date Collected: 07/20/17 12:30
Date Received: 07/24/17 14:15

Lab Sample ID: 280-99516-16
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.0022	J	0.010	0.0020	mg/L		08/03/17 07:23	08/03/17 11:39	1

Client Sample ID: MW15
Date Collected: 07/20/17 14:30
Date Received: 07/24/17 14:15

Lab Sample ID: 280-99516-17
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0020	mg/L		08/03/17 07:23	08/03/17 11:40	1

Client Sample ID: MW20
Date Collected: 07/20/17 13:10
Date Received: 07/24/17 14:15

Lab Sample ID: 280-99516-18
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0020	mg/L		08/03/17 07:23	08/03/17 11:42	1

Client Sample ID: MW3
Date Collected: 07/20/17 15:10
Date Received: 07/24/17 14:15

Lab Sample ID: 280-99516-19
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0020	mg/L		08/03/17 07:23	08/03/17 11:43	1

Surrogate Summary

Client: Stewart Environmental Consultants Inc
Project/Site: Analytical Testing

TestAmerica Job ID: 280-99516-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	BFB	DBFM	TOL
Lab Sample ID	**Client Sample ID**	(70-127)	(78-120)	(77-120)	(80-125)
280-99516-18	MW20	92	94	97	99
280-99516-20	MW13	91	95	96	98
LCS 280-382856/4	Lab Control Sample	90	93	94	104
LCSD 280-382856/5	Lab Control Sample Dup	93	94	95	105
MB 280-382856/8	Method Blank	89	96	94	99

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

QC Sample Results

Client: Stewart Environmental Consultants Inc
Project/Site: Analytical Testing

TestAmerica Job ID: 280-99516-1

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

Lab Sample ID: MB 280-382856/8
Matrix: Water
Analysis Batch: 382856

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/02/17 09:39	1
1,1,1-Trichloroethane	ND		1.0	0.16	ug/L			08/02/17 09:39	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/02/17 09:39	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			08/02/17 09:39	1
1,1-Dichloroethane	ND		1.0	0.22	ug/L			08/02/17 09:39	1
1,1-Dichloroethene	ND		1.0	0.23	ug/L			08/02/17 09:39	1
1,1-Dichloropropene	ND		1.0	0.19	ug/L			08/02/17 09:39	1
1,2,3-Trichlorobenzene	ND		1.0	0.21	ug/L			08/02/17 09:39	1
1,2,3-Trichloropropane	ND		2.5	0.33	ug/L			08/02/17 09:39	1
1,2,4-Trichlorobenzene	ND		1.0	0.21	ug/L			08/02/17 09:39	1
1,2,4-Trimethylbenzene	ND		1.0	0.15	ug/L			08/02/17 09:39	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.47	ug/L			08/02/17 09:39	1
1,2-Dibromoethane	ND		1.0	0.18	ug/L			08/02/17 09:39	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			08/02/17 09:39	1
1,2-Dichloroethane	ND		1.0	0.13	ug/L			08/02/17 09:39	1
1,2-Dichloroethene, Total	ND		1.0	0.24	ug/L			08/02/17 09:39	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			08/02/17 09:39	1
1,3,5-Trimethylbenzene	ND		1.0	0.16	ug/L			08/02/17 09:39	1
1,3-Dichlorobenzene	ND		1.0	0.13	ug/L			08/02/17 09:39	1
1,3-Dichloropropane	ND		1.0	0.22	ug/L			08/02/17 09:39	1
1,4-Dichlorobenzene	ND		1.0	0.16	ug/L			08/02/17 09:39	1
2,2-Dichloropropane	ND		1.0	0.18	ug/L			08/02/17 09:39	1
2-Butanone (MEK)	ND		6.0	2.0	ug/L			08/02/17 09:39	1
2-Chlorotoluene	ND		1.0	0.17	ug/L			08/02/17 09:39	1
2-Hexanone	ND		5.0	1.7	ug/L			08/02/17 09:39	1
2-Pentanone	ND		5.0	1.0	ug/L			08/02/17 09:39	1
4-Chlorotoluene	ND		1.0	0.21	ug/L			08/02/17 09:39	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			08/02/17 09:39	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.98	ug/L			08/02/17 09:39	1
Acetone	ND		10	1.9	ug/L			08/02/17 09:39	1
Acetonitrile	ND		30	9.6	ug/L			08/02/17 09:39	1
Benzene	ND		1.0	0.16	ug/L			08/02/17 09:39	1
Bromobenzene	ND		1.0	0.17	ug/L			08/02/17 09:39	1
Bromoform	ND		1.0	0.19	ug/L			08/02/17 09:39	1
Bromomethane	ND		2.0	0.21	ug/L			08/02/17 09:39	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			08/02/17 09:39	1
Chlorobenzene	ND		1.0	0.17	ug/L			08/02/17 09:39	1
Chlorobromomethane	ND		1.0	0.10	ug/L			08/02/17 09:39	1
Chlorodibromomethane	ND		1.0	0.17	ug/L			08/02/17 09:39	1
Chloroethane	ND		2.0	0.41	ug/L			08/02/17 09:39	1
Chloroform	ND		1.0	0.16	ug/L			08/02/17 09:39	1
Chloromethane	ND		2.0	0.30	ug/L			08/02/17 09:39	1
cis-1,2-Dichloroethene	ND		1.0	0.15	ug/L			08/02/17 09:39	1
cis-1,3-Dichloropropene	ND		1.0	0.16	ug/L			08/02/17 09:39	1
Dibromomethane	ND		1.0	0.17	ug/L			08/02/17 09:39	1
Dichlorobromomethane	ND		1.0	0.17	ug/L			08/02/17 09:39	1
Dichlorodifluoromethane	ND		2.0	0.31	ug/L			08/02/17 09:39	1
Ethyl methacrylate	ND		3.0	0.86	ug/L			08/02/17 09:39	1

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

Lab Sample ID: MB 280-382856/8
Matrix: Water
Analysis Batch: 382856

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.16	ug/L			08/02/17 09:39	1
Freon 113	ND		3.0	0.42	ug/L			08/02/17 09:39	1
Hexachlorobutadiene	ND		1.0	0.36	ug/L			08/02/17 09:39	1
Isopropylbenzene	ND		1.0	0.19	ug/L			08/02/17 09:39	1
Methyl tert-butyl ether	ND		5.0	0.25	ug/L			08/02/17 09:39	1
Methylene Chloride	0.615	J	2.0	0.32	ug/L			08/02/17 09:39	1
m-Xylene & p-Xylene	ND		2.0	0.34	ug/L			08/02/17 09:39	1
Naphthalene	ND		1.0	0.22	ug/L			08/02/17 09:39	1
n-Butylbenzene	ND		1.0	0.32	ug/L			08/02/17 09:39	1
N-Propylbenzene	ND		1.0	0.16	ug/L			08/02/17 09:39	1
o-Xylene	ND		1.0	0.19	ug/L			08/02/17 09:39	1
sec-Butylbenzene	ND		1.0	0.17	ug/L			08/02/17 09:39	1
Styrene	ND		1.0	0.17	ug/L			08/02/17 09:39	1
tert-Butylbenzene	ND		1.0	0.16	ug/L			08/02/17 09:39	1
Tetrachloroethene	ND		1.0	0.20	ug/L			08/02/17 09:39	1
Tetrahydrofuran	ND		7.0	2.0	ug/L			08/02/17 09:39	1
Toluene	ND		1.0	0.17	ug/L			08/02/17 09:39	1
trans-1,2-Dichloroethene	ND		1.0	0.15	ug/L			08/02/17 09:39	1
trans-1,3-Dichloropropene	ND		3.0	0.19	ug/L			08/02/17 09:39	1
Trichloroethene	ND		1.0	0.16	ug/L			08/02/17 09:39	1
Freon-11	ND		2.0	0.29	ug/L			08/02/17 09:39	1
Vinyl chloride	ND		1.0	0.10	ug/L			08/02/17 09:39	1
Xylenes, Total	ND		2.0	0.19	ug/L			08/02/17 09:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*70 - 127*		*08/02/17 09:39*	*1*
4-Bromofluorobenzene (Surr)	*96*		*78 - 120*		*08/02/17 09:39*	*1*
Dibromofluoromethane (Surr)	*94*		*77 - 120*		*08/02/17 09:39*	*1*
Toluene-d8 (Surr)	*99*		*80 - 125*		*08/02/17 09:39*	*1*

Lab Sample ID: LCS 280-382856/4
Matrix: Water
Analysis Batch: 382856

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	5.00	5.35		ug/L		107	65 - 135
1,1,1-Trichloroethane	5.00	4.69		ug/L		94	65 - 135
1,1,2,2-Tetrachloroethane	5.00	4.58		ug/L		92	58 - 135
1,1,2-Trichloroethane	5.00	4.89		ug/L		98	64 - 135
1,1-Dichloroethane	5.00	4.65		ug/L		93	65 - 135
1,1-Dichloroethene	5.00	5.27		ug/L		105	65 - 136
1,1-Dichloropropene	5.00	5.41		ug/L		108	65 - 135
1,2,3-Trichlorobenzene	5.00	4.25		ug/L		85	60 - 135
1,2,3-Trichloropropane	5.00	4.18		ug/L		84	65 - 135
1,2,4-Trichlorobenzene	5.00	4.33		ug/L		87	58 - 135
1,2,4-Trimethylbenzene	5.00	4.40		ug/L		88	65 - 135
1,2-Dibromo-3-Chloropropane	5.00	4.69	J	ug/L		94	57 - 135
1,2-Dibromoethane	5.00	4.72		ug/L		94	65 - 135

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

Lab Sample ID: LCS 280-382856/4
Matrix: Water
Analysis Batch: 382856

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichlorobenzene	5.00	4.79		ug/L		96	65 - 135
1,2-Dichloroethane	5.00	4.42		ug/L		88	65 - 135
1,2-Dichloroethene, Total	10.0	10.5		ug/L		105	65 - 135
1,2-Dichloropropane	5.00	4.88		ug/L		98	64 - 135
1,3,5-Trimethylbenzene	5.00	4.49		ug/L		90	65 - 135
1,3-Dichlorobenzene	5.00	5.21		ug/L		104	65 - 135
1,3-Dichloropropane	5.00	5.16		ug/L		103	64 - 135
1,4-Dichlorobenzene	5.00	4.88		ug/L		98	65 - 135
2,2-Dichloropropane	5.00	5.28		ug/L		106	65 - 135
2-Butanone (MEK)	20.0	16.2		ug/L		81	44 - 177
2-Chlorotoluene	5.00	4.66		ug/L		93	65 - 135
2-Hexanone	20.0	17.3		ug/L		87	57 - 139
2-Pentanone	20.0	14.1		ug/L		71	24 - 135
4-Chlorotoluene	5.00	5.12		ug/L		102	65 - 135
4-Isopropyltoluene	5.00	4.63		ug/L		93	65 - 135
4-Methyl-2-pentanone (MIBK)	20.0	17.3		ug/L		86	60 - 150
Acetone	20.0	18.3		ug/L		91	39 - 156
Benzene	5.00	5.47		ug/L		109	65 - 135
Bromobenzene	5.00	5.00		ug/L		100	65 - 135
Bromoform	5.00	4.46		ug/L		89	62 - 135
Bromomethane	5.00	4.71		ug/L		94	45 - 135
Carbon tetrachloride	5.00	4.49		ug/L		90	65 - 135
Chlorobenzene	5.00	5.05		ug/L		101	65 - 135
Chlorobromomethane	5.00	5.00		ug/L		100	65 - 135
Chlorodibromomethane	5.00	4.77		ug/L		95	65 - 135
Chloroethane	5.00	5.29		ug/L		106	46 - 136
Chloroform	5.00	4.94		ug/L		99	65 - 135
Chloromethane	5.00	5.12		ug/L		102	34 - 145
cis-1,2-Dichloroethene	5.00	5.08		ug/L		102	65 - 135
cis-1,3-Dichloropropene	5.00	5.31		ug/L		106	65 - 135
Dibromomethane	5.00	4.72		ug/L		94	65 - 135
Dichlorobromomethane	5.00	4.72		ug/L		94	65 - 135
Dichlorodifluoromethane	5.00	5.54		ug/L		111	43 - 142
Ethylbenzene	5.00	5.30		ug/L		106	65 - 135
Freon 113	5.00	5.67		ug/L		113	65 - 140
Hexachlorobutadiene	5.00	5.03		ug/L		101	65 - 135
Isopropylbenzene	5.00	4.66		ug/L		93	65 - 135
Methyl tert-butyl ether	5.00	4.76	J	ug/L		95	54 - 135
Methylene Chloride	5.00	6.11		ug/L		122	54 - 141
m-Xylene & p-Xylene	5.00	5.15		ug/L		103	65 - 135
Naphthalene	5.00	4.42		ug/L		88	42 - 135
n-Butylbenzene	5.00	4.89		ug/L		98	64 - 135
N-Propylbenzene	5.00	4.85		ug/L		97	65 - 135
o-Xylene	5.00	5.40		ug/L		108	65 - 135
sec-Butylbenzene	5.00	5.12		ug/L		102	64 - 135
Styrene	5.00	5.12		ug/L		102	65 - 135
tert-Butylbenzene	5.00	4.57		ug/L		91	65 - 135
Tetrachloroethene	5.00	5.66		ug/L		113	65 - 135

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

Lab Sample ID: LCS 280-382856/4
Matrix: Water
Analysis Batch: 382856

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Toluene	5.00	5.16		ug/L		103	65 - 135
trans-1,2-Dichloroethene	5.00	5.41		ug/L		108	65 - 135
trans-1,3-Dichloropropene	5.00	4.78		ug/L		96	65 - 135
Trichloroethene	5.00	4.97		ug/L		99	65 - 135
Freon-11	5.00	4.54		ug/L		91	53 - 137
Vinyl chloride	5.00	5.11		ug/L		102	40 - 137
Xylenes, Total	10.0	10.6		ug/L		106	65 - 135

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*90*		*70 - 127*
4-Bromofluorobenzene (Surr)	*93*		*78 - 120*
Dibromofluoromethane (Surr)	*94*		*77 - 120*
Toluene-d8 (Surr)	*104*		*80 - 125*

Lab Sample ID: LCSD 280-382856/5
Matrix: Water
Analysis Batch: 382856

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	5.00	5.47		ug/L		109	65 - 135	2	20
1,1,1-Trichloroethane	5.00	4.78		ug/L		96	65 - 135	2	20
1,1,2,2-Tetrachloroethane	5.00	4.90		ug/L		98	58 - 135	7	20
1,1,2-Trichloroethane	5.00	4.98		ug/L		100	64 - 135	2	27
1,1-Dichloroethane	5.00	4.83		ug/L		97	65 - 135	4	21
1,1-Dichloroethene	5.00	5.29		ug/L		106	65 - 136	0	20
1,1-Dichloropropene	5.00	5.44		ug/L		109	65 - 135	1	21
1,2,3-Trichlorobenzene	5.00	4.57		ug/L		91	60 - 135	7	36
1,2,3-Trichloropropane	5.00	4.52		ug/L		90	65 - 135	8	23
1,2,4-Trichlorobenzene	5.00	4.61		ug/L		92	58 - 135	6	25
1,2,4-Trimethylbenzene	5.00	4.62		ug/L		92	65 - 135	5	20
1,2-Dibromo-3-Chloropropane	5.00	5.03		ug/L		101	57 - 135	7	22
1,2-Dibromoethane	5.00	5.00		ug/L		100	65 - 135	6	27
1,2-Dichlorobenzene	5.00	5.19		ug/L		104	65 - 135	8	20
1,2-Dichloroethane	5.00	4.61		ug/L		92	65 - 135	4	20
1,2-Dichloroethene, Total	10.0	10.5		ug/L		105	65 - 135	0	20
1,2-Dichloropropane	5.00	5.02		ug/L		100	64 - 135	3	20
1,3,5-Trimethylbenzene	5.00	4.69		ug/L		94	65 - 135	4	20
1,3-Dichlorobenzene	5.00	5.46		ug/L		109	65 - 135	5	20
1,3-Dichloropropane	5.00	5.39		ug/L		108	64 - 135	4	20
1,4-Dichlorobenzene	5.00	5.16		ug/L		103	65 - 135	6	23
2,2-Dichloropropane	5.00	5.00		ug/L		100	65 - 135	6	20
2-Butanone (MEK)	20.0	16.8		ug/L		84	44 - 177	4	32
2-Chlorotoluene	5.00	4.80		ug/L		96	65 - 135	3	20
2-Hexanone	20.0	18.0		ug/L		90	57 - 139	4	25
2-Pentanone	20.0	13.2		ug/L		66	24 - 135	6	26
4-Chlorotoluene	5.00	5.32		ug/L		106	65 - 135	4	20
4-Isopropyltoluene	5.00	4.68		ug/L		94	65 - 135	1	20
4-Methyl-2-pentanone (MIBK)	20.0	19.4		ug/L		97	60 - 150	12	22

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

Lab Sample ID: LCSD 280-382856/5
Matrix: Water
Analysis Batch: 382856

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	20.0	17.9		ug/L		89	39 - 156	2	23
Benzene	5.00	5.43		ug/L		109	65 - 135	1	20
Bromobenzene	5.00	5.26		ug/L		105	65 - 135	5	26
Bromoform	5.00	4.62		ug/L		92	62 - 135	4	27
Bromomethane	5.00	5.14		ug/L		103	45 - 135	9	33
Carbon tetrachloride	5.00	4.68		ug/L		94	65 - 135	4	21
Chlorobenzene	5.00	5.17		ug/L		103	65 - 135	2	20
Chlorobromomethane	5.00	5.05		ug/L		101	65 - 135	1	29
Chlorodibromomethane	5.00	5.01		ug/L		100	65 - 135	5	20
Chloroethane	5.00	5.56		ug/L		111	46 - 136	5	25
Chloroform	5.00	5.01		ug/L		100	65 - 135	1	20
Chloromethane	5.00	5.33		ug/L		107	34 - 145	4	24
cis-1,2-Dichloroethene	5.00	5.06		ug/L		101	65 - 135	0	20
cis-1,3-Dichloropropene	5.00	5.62		ug/L		112	65 - 135	6	26
Dibromomethane	5.00	4.75		ug/L		95	65 - 135	1	26
Dichlorobromomethane	5.00	4.92		ug/L		98	65 - 135	4	20
Dichlorodifluoromethane	5.00	5.51		ug/L		110	43 - 142	0	30
Ethylbenzene	5.00	5.43		ug/L		109	65 - 135	2	20
Freon 113	5.00	5.66		ug/L		113	65 - 140	0	20
Hexachlorobutadiene	5.00	5.28		ug/L		106	65 - 135	5	25
Isopropylbenzene	5.00	4.84		ug/L		97	65 - 135	4	20
Methyl tert-butyl ether	5.00	4.91	J	ug/L		98	54 - 135	3	21
Methylene Chloride	5.00	6.16		ug/L		123	54 - 141	1	26
m-Xylene & p-Xylene	5.00	5.42		ug/L		108	65 - 135	5	20
Naphthalene	5.00	4.75		ug/L		95	42 - 135	7	23
n-Butylbenzene	5.00	5.06		ug/L		101	64 - 135	4	21
N-Propylbenzene	5.00	5.04		ug/L		101	65 - 135	4	20
o-Xylene	5.00	5.58		ug/L		112	65 - 135	3	20
sec-Butylbenzene	5.00	5.37		ug/L		107	64 - 135	5	21
Styrene	5.00	5.25		ug/L		105	65 - 135	2	26
tert-Butylbenzene	5.00	4.75		ug/L		95	65 - 135	4	21
Tetrachloroethene	5.00	5.79		ug/L		116	65 - 135	2	20
Toluene	5.00	5.27		ug/L		105	65 - 135	2	20
trans-1,2-Dichloroethene	5.00	5.42		ug/L		108	65 - 135	0	24
trans-1,3-Dichloropropene	5.00	4.86		ug/L		97	65 - 135	2	26
Trichloroethene	5.00	5.03		ug/L		101	65 - 135	1	20
Freon-11	5.00	4.72		ug/L		94	53 - 137	4	27
Vinyl chloride	5.00	5.35		ug/L		107	40 - 137	4	24
Xylenes, Total	10.0	11.0		ug/L		110	65 - 135	4	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*93*		*70 - 127*
4-Bromofluorobenzene (Surr)	*94*		*78 - 120*
Dibromofluoromethane (Surr)	*95*		*77 - 120*
Toluene-d8 (Surr)	*105*		*80 - 125*

QC Sample Results

Client: Stewart Environmental Consultants Inc
Project/Site: Analytical Testing

TestAmerica Job ID: 280-99516-1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 280-382228/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 382363 — **Prep Batch: 382228**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.027	ug/L		07/27/17 11:42	07/27/17 15:22	1

Lab Sample ID: LCS 280-382228/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 382363 — **Prep Batch: 382228**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	5.00	4.98		ug/L		100	84 - 120

Method: 9012A - Cyanide, Total and/or Amenable

Lab Sample ID: MB 280-382720/4-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 382765 — **Prep Batch: 382720**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.00235	J	0.010	0.0020	mg/L		08/01/17 07:01	08/01/17 10:05	1

Lab Sample ID: HLCS 280-382720/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 382765 — **Prep Batch: 382720**

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.350	0.355		mg/L		101	90 - 110

Lab Sample ID: LCS 280-382720/3-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 382765 — **Prep Batch: 382720**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.100	0.108		mg/L		108	90 - 110

Lab Sample ID: LLCS 280-382720/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 382765 — **Prep Batch: 382720**

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.100	0.107		mg/L		107	44 - 167

Lab Sample ID: MB 280-383029/4-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 383082 — **Prep Batch: 383029**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0020	mg/L		08/03/17 07:23	08/03/17 11:33	1

Method: 9012A - Cyanide, Total and/or Amenable (Continued)

Lab Sample ID: HLCS 280-383029/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 383082 — **Prep Batch: 383029**

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.350	0.356		mg/L		102	90 - 110

Lab Sample ID: LCS 280-383029/3-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 383082 — **Prep Batch: 383029**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.100	0.100		mg/L		100	90 - 110

Lab Sample ID: LLCS 280-383029/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 383082 — **Prep Batch: 383029**

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.100	0.111		mg/L		111	44 - 167

Lab Sample ID: 280-99516-15 MS — **Client Sample ID: MW1**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 383082 — **Prep Batch: 383029**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.0080	J	0.100	0.106		mg/L		98	90 - 110

Lab Sample ID: 280-99516-15 MSD — **Client Sample ID: MW1**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 383082 — **Prep Batch: 383029**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyanide, Total	0.0080	J	0.100	0.106		mg/L		98	90 - 110	1	20

QC Association Summary

Client: Stewart Environmental Consultants Inc
Project/Site: Analytical Testing

TestAmerica Job ID: 280-99516-1

GC/MS VOA

Analysis Batch: 382856

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-99516-18	MW20	Total/NA	Water	8260B	
280-99516-20	MW13	Total/NA	Water	8260B	
MB 280-382856/8	Method Blank	Total/NA	Water	8260B	
LCS 280-382856/4	Lab Control Sample	Total/NA	Water	8260B	
LCS 280-382856/6	Lab Control Sample	Total/NA	Water	8260B	
LCSD 280-382856/5	Lab Control Sample Dup	Total/NA	Water	8260B	
LCSD 280-382856/7	Lab Control Sample Dup	Total/NA	Water	8260B	

Metals

Prep Batch: 382228

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-99516-1	MW1	Total/NA	Water	7470A	
280-99516-2	MW2R	Total/NA	Water	7470A	
280-99516-3	MW3	Total/NA	Water	7470A	
280-99516-4	MW6	Total/NA	Water	7470A	
280-99516-5	MW15	Total/NA	Water	7470A	
280-99516-6	MW16	Total/NA	Water	7470A	
280-99516-7	MW5	Total/NA	Water	7470A	
280-99516-8	MW12	Total/NA	Water	7470A	
280-99516-9	MW13	Total/NA	Water	7470A	
280-99516-10	MW20	Total/NA	Water	7470A	
280-99516-11	MW11	Total/NA	Water	7470A	
MB 280-382228/1-A	Method Blank	Total/NA	Water	7470A	
LCS 280-382228/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 382363

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-99516-1	MW1	Total/NA	Water	7470A	382228
280-99516-2	MW2R	Total/NA	Water	7470A	382228
280-99516-3	MW3	Total/NA	Water	7470A	382228
280-99516-4	MW6	Total/NA	Water	7470A	382228
280-99516-5	MW15	Total/NA	Water	7470A	382228
280-99516-6	MW16	Total/NA	Water	7470A	382228
280-99516-7	MW5	Total/NA	Water	7470A	382228
280-99516-8	MW12	Total/NA	Water	7470A	382228
280-99516-9	MW13	Total/NA	Water	7470A	382228
280-99516-10	MW20	Total/NA	Water	7470A	382228
280-99516-11	MW11	Total/NA	Water	7470A	382228
MB 280-382228/1-A	Method Blank	Total/NA	Water	7470A	382228
LCS 280-382228/2-A	Lab Control Sample	Total/NA	Water	7470A	382228

General Chemistry

Prep Batch: 382720

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-99516-12	MW6	Total/NA	Water	9012A	
280-99516-13	MW11	Total/NA	Water	9012A	
280-99516-14	MW12	Total/NA	Water	9012A	
MB 280-382720/4-A	Method Blank	Total/NA	Water	9012A	

General Chemistry (Continued)

Prep Batch: 382720 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
HLCS 280-382720/1-A	Lab Control Sample	Total/NA	Water	9012A	
LCS 280-382720/3-A	Lab Control Sample	Total/NA	Water	9012A	
LLCS 280-382720/2-A	Lab Control Sample	Total/NA	Water	9012A	

Analysis Batch: 382765

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-99516-12	MW6	Total/NA	Water	9012A	382720
280-99516-13	MW11	Total/NA	Water	9012A	382720
280-99516-14	MW12	Total/NA	Water	9012A	382720
MB 280-382720/4-A	Method Blank	Total/NA	Water	9012A	382720
HLCS 280-382720/1-A	Lab Control Sample	Total/NA	Water	9012A	382720
LCS 280-382720/3-A	Lab Control Sample	Total/NA	Water	9012A	382720
LLCS 280-382720/2-A	Lab Control Sample	Total/NA	Water	9012A	382720

Prep Batch: 383029

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-99516-15	MW1	Total/NA	Water	9012A	
280-99516-16	MW5	Total/NA	Water	9012A	
280-99516-17	MW15	Total/NA	Water	9012A	
280-99516-18	MW20	Total/NA	Water	9012A	
280-99516-19	MW3	Total/NA	Water	9012A	
MB 280-383029/4-A	Method Blank	Total/NA	Water	9012A	
HLCS 280-383029/1-A	Lab Control Sample	Total/NA	Water	9012A	
LCS 280-383029/3-A	Lab Control Sample	Total/NA	Water	9012A	
LLCS 280-383029/2-A	Lab Control Sample	Total/NA	Water	9012A	
280-99516-15 MS	MW1	Total/NA	Water	9012A	
280-99516-15 MSD	MW1	Total/NA	Water	9012A	

Analysis Batch: 383082

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-99516-15	MW1	Total/NA	Water	9012A	383029
280-99516-16	MW5	Total/NA	Water	9012A	383029
280-99516-17	MW15	Total/NA	Water	9012A	383029
280-99516-18	MW20	Total/NA	Water	9012A	383029
280-99516-19	MW3	Total/NA	Water	9012A	383029
MB 280-383029/4-A	Method Blank	Total/NA	Water	9012A	383029
HLCS 280-383029/1-A	Lab Control Sample	Total/NA	Water	9012A	383029
LCS 280-383029/3-A	Lab Control Sample	Total/NA	Water	9012A	383029
LLCS 280-383029/2-A	Lab Control Sample	Total/NA	Water	9012A	383029
280-99516-15 MS	MW1	Total/NA	Water	9012A	383029
280-99516-15 MSD	MW1	Total/NA	Water	9012A	383029

Lab Chronicle

Client: Stewart Environmental Consultants Inc
Project/Site: Analytical Testing

TestAmerica Job ID: 280-99516-1

Client Sample ID: MW1 — Lab Sample ID: 280-99516-1

Date Collected: 07/06/17 15:00
Date Received: 07/24/17 14:15
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			30 mL	50 mL	382228	07/27/17 11:42	CDH	TAL DEN
Total/NA	Analysis	7470A		1			382363	07/27/17 15:28	CDH	TAL DEN

Client Sample ID: MW2R — Lab Sample ID: 280-99516-2

Date Collected: 07/17/17 15:00
Date Received: 07/24/17 14:15
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			30 mL	50 mL	382228	07/27/17 11:42	CDH	TAL DEN
Total/NA	Analysis	7470A		1			382363	07/27/17 15:30	CDH	TAL DEN

Client Sample ID: MW3 — Lab Sample ID: 280-99516-3

Date Collected: 07/10/17 10:50
Date Received: 07/24/17 14:15
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			30 mL	50 mL	382228	07/27/17 11:42	CDH	TAL DEN
Total/NA	Analysis	7470A		1			382363	07/27/17 15:33	CDH	TAL DEN

Client Sample ID: MW6 — Lab Sample ID: 280-99516-4

Date Collected: 07/10/17 13:15
Date Received: 07/24/17 14:15
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			30 mL	50 mL	382228	07/27/17 11:42	CDH	TAL DEN
Total/NA	Analysis	7470A		1			382363	07/27/17 15:35	CDH	TAL DEN

Client Sample ID: MW15 — Lab Sample ID: 280-99516-5

Date Collected: 07/10/17 14:30
Date Received: 07/24/17 14:15
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			30 mL	50 mL	382228	07/27/17 11:42	CDH	TAL DEN
Total/NA	Analysis	7470A		1			382363	07/27/17 15:37	CDH	TAL DEN

Client Sample ID: MW16 — Lab Sample ID: 280-99516-6

Date Collected: 07/06/17 13:30
Date Received: 07/24/17 14:15
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			30 mL	50 mL	382228	07/27/17 11:42	CDH	TAL DEN
Total/NA	Analysis	7470A		1			382363	07/27/17 15:44	CDH	TAL DEN

Lab Chronicle

Client: Stewart Environmental Consultants Inc
Project/Site: Analytical Testing

TestAmerica Job ID: 280-99516-1

Client Sample ID: MW5

Lab Sample ID: 280-99516-7
Matrix: Water

Date Collected: 07/12/17 14:20
Date Received: 07/24/17 14:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			30 mL	50 mL	382228	07/27/17 11:42	CDH	TAL DEN
Total/NA	Analysis	7470A		1			382363	07/27/17 15:46	CDH	TAL DEN

Client Sample ID: MW12

Lab Sample ID: 280-99516-8
Matrix: Water

Date Collected: 07/11/17 15:20
Date Received: 07/24/17 14:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			30 mL	50 mL	382228	07/27/17 11:42	CDH	TAL DEN
Total/NA	Analysis	7470A		1			382363	07/27/17 15:48	CDH	TAL DEN

Client Sample ID: MW13

Lab Sample ID: 280-99516-9
Matrix: Water

Date Collected: 07/12/17 10:00
Date Received: 07/24/17 14:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			30 mL	50 mL	382228	07/27/17 11:42	CDH	TAL DEN
Total/NA	Analysis	7470A		1			382363	07/27/17 15:51	CDH	TAL DEN

Client Sample ID: MW20

Lab Sample ID: 280-99516-10
Matrix: Water

Date Collected: 07/13/17 14:20
Date Received: 07/24/17 14:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			30 mL	50 mL	382228	07/27/17 11:42	CDH	TAL DEN
Total/NA	Analysis	7470A		1			382363	07/27/17 15:53	CDH	TAL DEN

Client Sample ID: MW11

Lab Sample ID: 280-99516-11
Matrix: Water

Date Collected: 07/11/17 13:50
Date Received: 07/24/17 14:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			30 mL	50 mL	382228	07/27/17 11:42	CDH	TAL DEN
Total/NA	Analysis	7470A		1			382363	07/27/17 15:55	CDH	TAL DEN

Client Sample ID: MW6

Lab Sample ID: 280-99516-12
Matrix: Water

Date Collected: 07/19/17 12:40
Date Received: 07/24/17 14:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	9012A			50 mL	50 mL	382720	08/01/17 07:01	JML	TAL DEN
Total/NA	Analysis	9012A		1	50 mL	50 mL	382765	08/01/17 10:12	JML	TAL DEN

Lab Chronicle

Client: Stewart Environmental Consultants Inc
Project/Site: Analytical Testing

TestAmerica Job ID: 280-99516-1

Client Sample ID: MW11
Date Collected: 07/19/17 13:20
Date Received: 07/24/17 14:15

Lab Sample ID: 280-99516-13
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	9012A			50 mL	50 mL	382720	08/01/17 07:01	JML	TAL DEN
Total/NA	Analysis	9012A		1	50 mL	50 mL	382765	08/01/17 10:14	JML	TAL DEN

Client Sample ID: MW12
Date Collected: 07/19/17 13:00
Date Received: 07/24/17 14:15

Lab Sample ID: 280-99516-14
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	9012A			50 mL	50 mL	382720	08/01/17 07:01	JML	TAL DEN
Total/NA	Analysis	9012A		1	50 mL	50 mL	382765	08/01/17 10:23	JML	TAL DEN

Client Sample ID: MW1
Date Collected: 07/20/17 14:00
Date Received: 07/24/17 14:15

Lab Sample ID: 280-99516-15
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	9012A			50 mL	50 mL	383029	08/03/17 07:23	JML	TAL DEN
Total/NA	Analysis	9012A		1	50 mL	50 mL	383082	08/03/17 11:34	JML	TAL DEN

Client Sample ID: MW5
Date Collected: 07/20/17 12:30
Date Received: 07/24/17 14:15

Lab Sample ID: 280-99516-16
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	9012A			50 mL	50 mL	383029	08/03/17 07:23	JML	TAL DEN
Total/NA	Analysis	9012A		1	50 mL	50 mL	383082	08/03/17 11:39	JML	TAL DEN

Client Sample ID: MW15
Date Collected: 07/20/17 14:30
Date Received: 07/24/17 14:15

Lab Sample ID: 280-99516-17
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	9012A			50 mL	50 mL	383029	08/03/17 07:23	JML	TAL DEN
Total/NA	Analysis	9012A		1	50 mL	50 mL	383082	08/03/17 11:40	JML	TAL DEN

Client Sample ID: MW20
Date Collected: 07/20/17 13:10
Date Received: 07/24/17 14:15

Lab Sample ID: 280-99516-18
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	20 mL	20 mL	382856	08/02/17 12:41	MRM	TAL DEN
Total/NA	Prep	9012A			50 mL	50 mL	383029	08/03/17 07:23	JML	TAL DEN
Total/NA	Analysis	9012A		1	50 mL	50 mL	383082	08/03/17 11:42	JML	TAL DEN

Lab Chronicle

Client: Stewart Environmental Consultants Inc
Project/Site: Analytical Testing

TestAmerica Job ID: 280-99516-1

Client Sample ID: MW3

Lab Sample ID: 280-99516-19

Date Collected: 07/20/17 15:10
Date Received: 07/24/17 14:15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	9012A			50 mL	50 mL	383029	08/03/17 07:23	JML	TAL DEN
Total/NA	Analysis	9012A		1	50 mL	50 mL	383082	08/03/17 11:43	JML	TAL DEN

Client Sample ID: MW13

Lab Sample ID: 280-99516-20

Date Collected: 07/20/17 16:00
Date Received: 07/24/17 14:15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		40	20 mL	20 mL	382856	08/02/17 13:04	MRM	TAL DEN

Laboratory References:

TAL DEN = TestAmerica Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

Accreditation/Certification Summary

Client: Stewart Environmental Consultants Inc
Project/Site: Analytical Testing

TestAmerica Job ID: 280-99516-1

Laboratory: TestAmerica Denver

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
A2LA	DoD ELAP		2907.01	10-31-17
A2LA	ISO/IEC 17025		2907.01	10-31-17
Alabama	State Program	4	40730	09-30-12 *
Alaska (UST)	State Program	10	UST-30	04-05-18
Arizona	State Program	9	AZ0713	12-20-17
Arkansas DEQ	State Program	6	88-0687	06-01-18
California	State Program	9	2513	01-08-18
Connecticut	State Program	1	PH-0686	09-30-18
Florida	NELAP	4	E87667	06-30-18
Georgia	State Program	4	N/A	01-08-18
Illinois	NELAP	5	200017	04-30-18
Iowa	State Program	7	370	12-01-18
Kansas	NELAP	7	E-10166	04-30-18
Louisiana	NELAP	6	02096	06-30-18
Maine	State Program	1	CO0002	03-03-19
Minnesota	NELAP	5	8-999-405	12-31-17
Nevada	State Program	9	CO0026	07-31-17 *
New Hampshire	NELAP	1	205310	04-28-18
New Jersey	NELAP	2	CO004	06-30-18
New York	NELAP	2	11964	04-01-18
North Carolina (WW/SW)	State Program	4	358	12-31-17
North Dakota	State Program	8	R-034	01-09-18
Oklahoma	State Program	6	8614	08-31-17
Oregon	NELAP	10	4025	01-08-18
Pennsylvania	NELAP	3	68-00664	07-31-18
South Carolina	State Program	4	72002001	01-08-18
Texas	NELAP	6	T104704183-16-12	09-30-17
USDA	Federal		P330-16-00397	12-15-19
Utah	NELAP	8	CO00026	07-31-17 *
Virginia	NELAP	3	460232	06-14-18
Washington	State Program	10	C583	08-03-18
West Virginia DEP	State Program	3	354	11-30-17
Wisconsin	State Program	5	999615430	08-31-17
Wyoming (UST)	A2LA	8	2907.01	10-31-17

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

CHAIN OF CUSTODY RECORD

STEWART ENVIRONMENTAL CONSULTANTS, LLC.
2600 Canton Ct, Unit C, Fort Collins, CO 80525

Telephone: (970) 226-5500
Facsimile: (970) 226-4946

Batch:

PAGE ____ OF ____

Client No.

LAB

CLIENT: Stewart Environmental

SAMPLER

Print:

Signature.

Sample No.	SAMPLE COLLECTION INFO				SAMPLE IDENTIFICATION / NAME	Matrix Type	QC Report Needed	Total No. of Bottles	Analyses Requested
	Date	Time	Grab / Comp	Chlorine (ppm) if applicable					
L	7/6/17	1500			MW1				Hg
A	7/17/17	15:00			MW2R				
B	7/10/17	10:50			MW3				
	7/10/17	13:15			MW6				
U	7/10/17	14:30			MW15				
S	7/6/17	13:30			MW16				
E	7/12/17	14:20			MW5				
	7/11/17	15:20			MW12				
O	7/12/17	1000			MW-13				
N	7/13/17	14:20			MW20				
L	7/11/17	13:50			MW11				
Y									

280-99516 Chain of Custody

Notes: 5410.01R#7 JT 7/24/17

Relinquished by	Date / Time	Received by	Date / Time
[illegible]	7/24/17 14:15	[illegible]	7/24/17 1415

REQUESTED COMPLETION DATE

MATRIX TYPE
WW = waste water
DW = drinking water
L = liquid W = water
S = soil SL = sludge
A = Air SD = Solid

____ CDPHE REPORT REQUIRED

PWSID #

Database Entry By

Date

REPORT TO:

PHONE: FAX:

E-MAIL:

CLIENT:

ADDRESS:

CITY, STATE, ZIP:

INVOICE TO:

ADDRESS:

CITY, STATE ZIP:

CHAIN OF CUSTODY RECORD

STEWART ENVIRONMENTAL CONSULTANTS, LLC.
2600 Canton Ct, Unit C, Fort Collins, CO 80525

Telephone: (970) 226-5500
Facsimile: (970) 226-4946

Batch:

PAGE ____ OF ____

Client No.

LAB

CLIENT: Stewart

SAMPLER

Print:

Signature:

Sample No.	SAMPLE COLLECTION INFO				SAMPLE IDENTIFICATION / NAME	Matrix Type	QC Report Needed	Total No. of Bottles	Analyses Requested
	Date	Time	Grab / Comp	Chlorine (ppm) if applicable					
L	7/19/17	12:40			mw 6	WW		1	CN
A	↓	13:20			mw 11	↓		1	↓
B	↓	1300			mw 12	↓		1	↓
	7/20/17	1400			mw 1	↓		1	↓
U	↓	12:30			MW 5	↓		1	↓
S	↓	14:30			mw 15	↓		1	↓
E	↓	13:10			mw 20	↓		1	↓
	7/20	15:10			mw 3	WW		1	CN
O									
N									
L									
Y									

Notes:

Relinquished by	Date / Time	Received by	Date / Time
[illegible]	7/24/17 14:15	[illegible]	7/24/17 1415
Relinquished by	Date / Time	Received by	Date / Time
Relinquished by	Date / Time	Received by	Date / Time
Database Entry By		Date	

REQUESTED COMPLETION DATE

MATRIX TYPE
WW = waste water
DW = drinking water
L = liquid W = water
S = soil SL = sludge
A = Air SD = Solid

____CDPHE REPORT REQUIRED

PWSID #

REPORT TO:

PHONE: FAX:

E-MAIL:

CLIENT:

ADDRESS:

CITY, STATE, ZIP:

INVOICE TO:

ADDRESS:

CITY, STATE ZIP: