

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Corpus Christi

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Tel: (361)289-2673

TestAmerica Job ID: 560-40591-1

Client Project/Site: Sludge Composite

For:

Edwards Aquifer Authority

900 E. Quincy

San Antonio, Texas 78215

Attn: Steve Johnson



Authorized for release by:

8/21/2013 11:42:20 AM

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

Results relate only to the items tested and the sample(s) as received by the laboratory.

Definitions/Glossary

Client: Edwards Aquifer Authority
Project/Site: Sludge Composite

TestAmerica Job ID: 560-40591-1

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.

GC/MS Semi 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.

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	Presumptive evidence of material.
T	Result is a tentatively identified compound (TIC) and an estimated value.

GC Semi 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.
X	Surrogate is outside control limits
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
*	LCS or LCSD exceeds the control limits
*	RPD of the LCS and LCSD exceeds the control limits

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
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.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
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
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)

Case Narrative

Client: Edwards Aquifer Authority
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Laboratory: TestAmerica Corpus Christi

Narrative

Job Narrative 560-40591-1

Comments

No additional comments.

Receipt

The samples were received on 6/13/2013 8:35 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.5° C.

GC/MS VOA

No analytical or quality issues were noted.

GC/MS Semi VOA

No analytical or quality issues were noted.

GC Semi VOA

Due to an error in the reagents used in prep batch 102470, the recoveries for demeton-o, demeton-s, trichloronate and stirophos do not appear in the lab report. Demeton-o and demeton-s met control criteria. The actual recoveries and control limits are: demeton-o, recoveries 34/22%, control limits 13-111%; demeton-s, recoveries 72/48%, control limit 42-138%; trichloronate, recoveries 56/36%, control limit 42-141%; stirophos, recoveries 58/58%, control limit 60-128%.

Due to an error in the reagents used in prep batch 102773, the recoveries for demeton-o, demeton-s, trichloronate and stirophos do not appear in the lab report. Demeton-o, demeton-s, and trichloronate met control criteria. The actual recoveries and control limits are: demeton-o, recoveries 44/67%, control limit 13-111%; demeton-s, recoveries 72/110%, control limits 42-138%; trichloronate, recoveries 50/70%, control limit 42-141%; stirophos, recoveries 58/91%, control limit 60-128%.

Samples 560-40591-1 and 3 were analyzed for Pesticides using Method 8081B. Percent recovery of Tetrachloro-m-xylene surrogate was outside acceptable limits in these samples. DCB Decachlorobiphenyl surrogate was within acceptable limits. These results have been reported and qualified.

Samples 560-40591-2 and 4 were analyzed for Pesticides using Method 8081B. Percent recovery of DCB Decachlorobiphenyl surrogate and Tetrachloro-m-xylene surrogate were outside acceptable limits. Re-extraction and/or re-analysis was performed outside of holding time with acceptable results.

Samples 560-40591-1, 2, 3 and 4 were analyzed for Pesticides using Method 8141B. The laboratory control sample (LCS) and / or the laboratory control sample duplicate (LCSD) for batch 640-102470 recovered outside control limits for the following analytes: ethyl parathion, methyl parathion, chlorpyrifos, fenthion, Phorate and epn. Samples re-extracted out of hold in prep batch 640-102773

Sample 560-40591-2, 3 and 4 were analyzed for Pesticides using Method 8141B. Percent recovery of Triphenylphosphate surrogate was outside acceptable limits in these samples. Re-extraction and/or re-analysis was performed outside of holding time with acceptable results for surrogates.

Samples 560-40591-1, 2, 3 and 4 were analyzed for Pesticides using Method 8141B. The laboratory control sample and the laboratory control sample duplicate (LCS/LCSD) for batch 640-102773 recovered outside control limits for the following analytes: naled, monocrotophos. naled, monocrotophos has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. Batch precision also exceeded control limits for monocrotophos. These results have been reported and qualified.

Samples 560-40591-1, 2, 3 and 4 were analyzed for Pesticides using Method 8141B. The laboratory control sample (LCS) and / or the laboratory control sample duplicate (LCSD) for batch 640-102773 recovered outside control limits for the following analytes: epn, malathion, ethyl parathion, stirophos. The samples in prep batch 640-102773 were reextracts from prep batch 640-102470 which also

Case Narrative

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Project/Site: Sludge Composite

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Laboratory: TestAmerica Corpus Christi (Continued)

had the LCS/LCSD exceed control limits. There is no sample left to reextract.

Samples 560-40591-1, 2, 3 and 4 were analyzed for Pesticides using Method 8141B: The %RPD of the laboratory control sample (LCS) and laboratory control standard duplicate (LCSD) for preparation batch 640-102773 recovered outside control limits for various analytes.

Samples 560-40591-1, 2, 3 and 4 were analyzed for Herbicides using Method 8151A. This method incorporates the use of second column confirmation. Corrective action for unacceptable percent recovery is not taken for surrogate or spike compounds unless the results from both columns are outside criteria. Any results which fall outside criteria are qualified and reported. Contamination peak coeluting with 2,4-DCAA causes a high biased condition on column two. All surrogates are reported from column one.

Samples 560-40591-1, 2, 3 and 4 were prepped/analyzed for Herbicides using Method 8151A. Due to insufficient sample no matrix spike/matrix spike duplicate (MS/MSD) was prepped/analyzed with this Herbicides batch 680-280649. The laboratory control sample (LCS) was performed in duplicate to provide precision data for this batch.

No other analytical or quality issues were noted.

Metals

No analytical or quality issues were noted.

General Chemistry

Samples 560-40591-1, 2, 3 and 4 were analyzed for Sulfate using Method 9056. The following compound was detected in the method blank associated with these samples: Sulfate. The concentration of sulfate was above the MDL, but below the RL. Therefore, data are reported.

No other analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.

Detection Summary

Client: Edwards Aquifer Authority
Project/Site: Sludge Composite

TestAmerica Job ID: 560-40591-1

Client Sample ID: HSM 320

Lab Sample ID: 560-40591-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	139	J	479	69.0	ug/Kg	1	✱	8260B	Total/NA
Benzo[a]anthracene	68.3	J	732	37.0	ug/Kg	1	✱	8270C	Total/NA
Benzo[a]pyrene	70.5	J	732	37.0	ug/Kg	1	✱	8270C	Total/NA
Benzo[b]fluoranthene	112	J	732	37.0	ug/Kg	1	✱	8270C	Total/NA
Benzo[g,h,i]perylene	52.2	J	732	37.0	ug/Kg	1	✱	8270C	Total/NA
Bis(2-ethylhexyl) phthalate	65.6	J	732	37.0	ug/Kg	1	✱	8270C	Total/NA
Chrysene	79.0	J	732	37.0	ug/Kg	1	✱	8270C	Total/NA
Fluoranthene	105	J	732	37.0	ug/Kg	1	✱	8270C	Total/NA
Indeno[1,2,3-cd]pyrene	46.6	J	732	37.0	ug/Kg	1	✱	8270C	Total/NA
Pyrene	103	J	732	37.0	ug/Kg	1	✱	8270C	Total/NA
4,4'-DDD	0.643	J	7.16	0.193	ug/Kg	1	✱	8081B	Total/NA
4,4'-DDE	1.21	J	7.16	0.184	ug/Kg	1	✱	8081B	Total/NA
gamma-Chlordane	0.388	J	3.69	0.182	ug/Kg	1	✱	8081B	Total/NA
Silicon	298		22.9	7.24	mg/Kg	1	✱	6010B	Total/NA
Aluminum	7000		4.16	2.00	mg/Kg	1	✱	6020	Total/NA
Calcium	75500		832	460	mg/Kg	20	✱	6020	Total/NA
Potassium	1560		83.2	40.8	mg/Kg	1	✱	6020	Total/NA
Arsenic	9.82		0.416	0.0831	mg/Kg	1	✱	6020	Total/NA
Magnesium	1850		41.6	9.11	mg/Kg	1	✱	6020	Total/NA
Barium	60.9		0.416	0.181	mg/Kg	1	✱	6020	Total/NA
Sodium	136		83.2	46.8	mg/Kg	1	✱	6020	Total/NA
Beryllium	0.843		0.416	0.146	mg/Kg	1	✱	6020	Total/NA
Strontium	83.7		0.416	0.102	mg/Kg	1	✱	6020	Total/NA
Cadmium	0.495		0.416	0.120	mg/Kg	1	✱	6020	Total/NA
Chromium	19.4		0.416	0.186	mg/Kg	1	✱	6020	Total/NA
Copper	37.2		0.832	0.295	mg/Kg	1	✱	6020	Total/NA
Iron	20300		41.6	9.21	mg/Kg	1	✱	6020	Total/NA
Lead	34.8		0.832	0.341	mg/Kg	1	✱	6020	Total/NA
Manganese	298		4.16	1.00	mg/Kg	1	✱	6020	Total/NA
Nickel	20.6		0.416	0.221	mg/Kg	1	✱	6020	Total/NA
Selenium	1.61		0.416	0.0724	mg/Kg	1	✱	6020	Total/NA
Silver	0.122	J	0.416	0.114	mg/Kg	1	✱	6020	Total/NA
Thallium	0.213	J	0.416	0.115	mg/Kg	1	✱	6020	Total/NA
Zinc	66.1		2.08	1.28	mg/Kg	1	✱	6020	Total/NA
Mercury	0.0682	J	0.224	0.0202	mg/Kg	1	✱	7471A	Total/NA
Phosphorus	1990		415	228	mg/Kg	10	✱	365.4	Total/NA
Total Organic Carbon	61400		3340	601	mg/Kg	1	✱	WALKLEY BLACK	Total/NA
Chloride	33.8	J	111	11.7	mg/Kg	5	✱	9056	Soluble
Sulfate	1030	B	111	96.2	mg/Kg	5	✱	9056	Soluble
Fluoride	5.03		2.22	0.445	mg/Kg	1	✱	SM 4500 F C	Soluble
Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
pH	7.45		0.100	0.100	SU	1		9045D	Total/NA
Total Alkalinity as CaCO3	1260		278	278	mg/Kg	1	✱	SM 2320B	Soluble
Bicarbonate Alkalinity as CaCO3	1260		278	278	mg/Kg	1	✱	SM 2320B	Soluble

Client Sample ID: HSM 330

Lab Sample ID: 560-40591-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	138	J	180	25.9	ug/Kg	1	✱	8260B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Corpus Christi

Detection Summary

Client: Edwards Aquifer Authority
Project/Site: Sludge Composite

TestAmerica Job ID: 560-40591-1

Client Sample ID: HSM 330 (Continued)

Lab Sample ID: 560-40591-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
2-Butanone (MEK)	40.4		36.0	6.85	ug/Kg	1		✱	8260B	Total/NA
Toluene	11.7	J	18.0	3.24	ug/Kg	1		✱	8260B	Total/NA
1,2,4-Trimethylbenzene	1.54	J	18.0	1.37	ug/Kg	1		✱	8260B	Total/NA
Acenaphthene	140	J	420	21.3	ug/Kg	1		✱	8270C	Total/NA
Acenaphthylene	40.4	J	420	21.3	ug/Kg	1		✱	8270C	Total/NA
Anthracene	499		420	21.3	ug/Kg	1		✱	8270C	Total/NA
Benzo[a]anthracene	4180		420	21.3	ug/Kg	1		✱	8270C	Total/NA
Benzo[a]pyrene	4140		420	21.3	ug/Kg	1		✱	8270C	Total/NA
Benzo[b]fluoranthene	7430		420	21.3	ug/Kg	1		✱	8270C	Total/NA
Benzo[g,h,i]perylene	2170		420	21.3	ug/Kg	1		✱	8270C	Total/NA
Benzo[k]fluoranthene	2830		420	21.3	ug/Kg	1		✱	8270C	Total/NA
Bis(2-ethylhexyl) phthalate	1670		420	21.3	ug/Kg	1		✱	8270C	Total/NA
Chrysene	5790		420	21.3	ug/Kg	1		✱	8270C	Total/NA
Dibenz(a,h)anthracene	628		420	21.3	ug/Kg	1		✱	8270C	Total/NA
Dibenzofuran	76.4	J	420	21.3	ug/Kg	1		✱	8270C	Total/NA
Fluoranthene	10000		2100	106	ug/Kg	5		✱	8270C	Total/NA
Fluorene	175	J	420	21.3	ug/Kg	1		✱	8270C	Total/NA
Indeno[1,2,3-cd]pyrene	2180		420	21.3	ug/Kg	1		✱	8270C	Total/NA
Phenanthrene	4110		420	21.3	ug/Kg	1		✱	8270C	Total/NA
Pyrene	7830		2100	106	ug/Kg	5		✱	8270C	Total/NA
Aldrin	0.397	J p	2.11	0.0596	ug/Kg	1		✱	8081B	Total/NA
alpha-Chlordane	0.354	J	2.11	0.0708	ug/Kg	1		✱	8081B	Total/NA
Dieldrin	2.04	J	4.10	0.0422	ug/Kg	1		✱	8081B	Total/NA
Aroclor 1254	0.125	J	0.210	0.0324	mg/Kg	5		✱	8082A	Total/NA
Aroclor 1260	0.0965	J	0.210	0.0324	mg/Kg	5		✱	8082A	Total/NA
Silicon	174		14.9	4.71	mg/Kg	1		✱	6010B	Total/NA
Aluminum	1060		2.88	1.38	mg/Kg	1		✱	6020	Total/NA
Calcium	528000		576	318	mg/Kg	20		✱	6020	Total/NA
Potassium	223		57.6	28.2	mg/Kg	1		✱	6020	Total/NA
Arsenic	3.37		0.288	0.0575	mg/Kg	1		✱	6020	Total/NA
Magnesium	1880		28.8	6.30	mg/Kg	1		✱	6020	Total/NA
Barium	17.1		0.288	0.126	mg/Kg	1		✱	6020	Total/NA
Sodium	107		57.6	32.4	mg/Kg	1		✱	6020	Total/NA
Beryllium	0.149	J	0.288	0.101	mg/Kg	1		✱	6020	Total/NA
Strontium	144		0.288	0.0703	mg/Kg	1		✱	6020	Total/NA
Cadmium	0.160	J	0.288	0.0830	mg/Kg	1		✱	6020	Total/NA
Chromium	10.1		0.288	0.129	mg/Kg	1		✱	6020	Total/NA
Copper	5.91		0.576	0.204	mg/Kg	1		✱	6020	Total/NA
Iron	4190		28.8	6.37	mg/Kg	1		✱	6020	Total/NA
Lead	26.9		0.576	0.236	mg/Kg	1		✱	6020	Total/NA
Manganese	143		2.88	0.694	mg/Kg	1		✱	6020	Total/NA
Nickel	4.98		0.288	0.153	mg/Kg	1		✱	6020	Total/NA
Selenium	0.321		0.288	0.0501	mg/Kg	1		✱	6020	Total/NA
Zinc	33.2		1.44	0.884	mg/Kg	1		✱	6020	Total/NA
Mercury	0.0644	J	0.143	0.0129	mg/Kg	1		✱	7471A	Total/NA
Phosphorus	540		24.6	13.5	mg/Kg	1		✱	365.4	Total/NA
Total Organic Carbon	17300		1910	344	mg/Kg	1		✱	WALKLEY BLACK	Total/NA
Chloride	10.7	J	63.8	6.70	mg/Kg	5		✱	9056	Soluble
Nitrate as N	12.8	J	31.9	3.55	mg/Kg	5		✱	9056	Soluble
Sulfate	735	B	63.8	55.2	mg/Kg	5		✱	9056	Soluble

This Detection Summary does not include radiochemical test results.

TestAmerica Corpus Christi

Detection Summary

Client: Edwards Aquifer Authority
Project/Site: Sludge Composite

TestAmerica Job ID: 560-40591-1

Client Sample ID: HSM 330 (Continued)

Lab Sample ID: 560-40591-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Fluoride	1.63		1.28	0.255	mg/Kg	1		✱	SM 4500 F C	Soluble
Analyte	Result	Qualifier	RL	RL	Unit	Dil	Fac	D	Method	Prep Type
pH	7.53		0.100	0.100	SU	1			9045D	Total/NA
Total Alkalinity as CaCO3	848		159	159	mg/Kg	1		✱	SM 2320B	Soluble
Bicarbonate Alkalinity as CaCO3	848		159	159	mg/Kg	1		✱	SM 2320B	Soluble

Client Sample ID: HSM 340

Lab Sample ID: 560-40591-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Acetone	62.9	J	185	26.7	ug/Kg	1		✱	8260B	Total/NA
4-Isopropyltoluene	10.6	J	18.5	1.47	ug/Kg	1		✱	8260B	Total/NA
Toluene	3.51	J	18.5	3.34	ug/Kg	1		✱	8260B	Total/NA
Acenaphthene	169	J	437	22.1	ug/Kg	1		✱	8270C	Total/NA
Acenaphthylene	68.9	J	437	22.1	ug/Kg	1		✱	8270C	Total/NA
Anthracene	644		437	22.1	ug/Kg	1		✱	8270C	Total/NA
Benzo[a]anthracene	4700		437	22.1	ug/Kg	1		✱	8270C	Total/NA
Benzo[a]pyrene	4630		437	22.1	ug/Kg	1		✱	8270C	Total/NA
Benzo[b]fluoranthene	8450		437	22.1	ug/Kg	1		✱	8270C	Total/NA
Benzo[g,h,i]perylene	2340		437	22.1	ug/Kg	1		✱	8270C	Total/NA
Benzo[k]fluoranthene	2780		437	22.1	ug/Kg	1		✱	8270C	Total/NA
Bis(2-ethylhexyl) phthalate	1120		437	22.1	ug/Kg	1		✱	8270C	Total/NA
Chrysene	6500		437	22.1	ug/Kg	1		✱	8270C	Total/NA
Dibenz(a,h)anthracene	630		437	22.1	ug/Kg	1		✱	8270C	Total/NA
Dibenzofuran	92.4	J	437	22.1	ug/Kg	1		✱	8270C	Total/NA
Di-n-butyl phthalate	50.2	J	437	22.1	ug/Kg	1		✱	8270C	Total/NA
Fluoranthene	10500		2180	111	ug/Kg	5		✱	8270C	Total/NA
Fluorene	195	J	437	22.1	ug/Kg	1		✱	8270C	Total/NA
Indeno[1,2,3-cd]pyrene	2310		437	22.1	ug/Kg	1		✱	8270C	Total/NA
Phenanthrene	4620		437	22.1	ug/Kg	1		✱	8270C	Total/NA
Pyrene	8700		2180	111	ug/Kg	5		✱	8270C	Total/NA
4,4'-DDD	1.52	J	4.29	0.116	ug/Kg	1		✱	8081B	Total/NA
Aldrin	0.391	J p	2.21	0.0625	ug/Kg	1		✱	8081B	Total/NA
alpha-Chlordane	1.28	J	2.21	0.0742	ug/Kg	1		✱	8081B	Total/NA
gamma-Chlordane	1.87	J	2.21	0.109	ug/Kg	1		✱	8081B	Total/NA
Chlordane (technical)	72.7		22.1	3.25	ug/Kg	1		✱	8081B	Total/NA
Aroclor 1260	0.0242	J	0.0438	0.00677	mg/Kg	1		✱	8082A	Total/NA
Silicon	342		21.3	6.73	mg/Kg	1		✱	6010B	Total/NA
Aluminum	2730		2.22	1.06	mg/Kg	1		✱	6020	Total/NA
Calcium	288000		443	245	mg/Kg	20		✱	6020	Total/NA
Potassium	484		44.3	21.7	mg/Kg	1		✱	6020	Total/NA
Arsenic	3.80		0.222	0.0442	mg/Kg	1		✱	6020	Total/NA
Magnesium	2170		22.2	4.85	mg/Kg	1		✱	6020	Total/NA
Barium	35.8		0.222	0.0966	mg/Kg	1		✱	6020	Total/NA
Sodium	108		44.3	24.9	mg/Kg	1		✱	6020	Total/NA
Beryllium	0.271		0.222	0.0776	mg/Kg	1		✱	6020	Total/NA
Strontium	119		0.222	0.0542	mg/Kg	1		✱	6020	Total/NA
Cadmium	0.210	J	0.222	0.0639	mg/Kg	1		✱	6020	Total/NA
Chromium	14.2		0.222	0.0993	mg/Kg	1		✱	6020	Total/NA
Copper	6.34		0.443	0.157	mg/Kg	1		✱	6020	Total/NA
Iron	4920		22.2	4.90	mg/Kg	1		✱	6020	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Corpus Christi

Detection Summary

Client: Edwards Aquifer Authority
Project/Site: Sludge Composite

TestAmerica Job ID: 560-40591-1

Client Sample ID: HSM 340 (Continued)

Lab Sample ID: 560-40591-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Lead	56.0		0.443	0.182	mg/Kg	1		✱	6020	Total/NA
Manganese	218		2.22	0.534	mg/Kg	1		✱	6020	Total/NA
Nickel	5.87		0.222	0.118	mg/Kg	1		✱	6020	Total/NA
Selenium	0.519		0.222	0.0386	mg/Kg	1		✱	6020	Total/NA
Zinc	34.8		1.11	0.681	mg/Kg	1		✱	6020	Total/NA
Mercury	0.0165	J	0.140	0.0126	mg/Kg	1		✱	7471A	Total/NA
Phosphorus	496		25.8	14.2	mg/Kg	1		✱	365.4	Total/NA
Total Organic Carbon	20900		1990	359	mg/Kg	1		✱	WALKLEY BLACK	Total/NA
Chloride	12.2	J	26.6	2.79	mg/Kg	2		✱	9056	Soluble
Sulfate	170	B	26.6	23.0	mg/Kg	2		✱	9056	Soluble
Fluoride	1.66		1.33	0.266	mg/Kg	1		✱	SM 4500 F C	Soluble
Analyte	Result	Qualifier	RL	RL	Unit	Dil	Fac	D	Method	Prep Type
pH	7.40		0.100	0.100	SU	1			9045D	Total/NA
Total Alkalinity as CaCO3	1000		166	166	mg/Kg	1		✱	SM 2320B	Soluble
Bicarbonate Alkalinity as CaCO3	1000		166	166	mg/Kg	1		✱	SM 2320B	Soluble

Client Sample ID: HSM 350

Lab Sample ID: 560-40591-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Acetone	150	J	348	50.2	ug/Kg	1		✱	8260B	Total/NA
2-Butanone (MEK)	37.9	J	69.7	13.2	ug/Kg	1		✱	8260B	Total/NA
Acenaphthene	42.4	J	730	37.0	ug/Kg	1		✱	8270C	Total/NA
Acenaphthylene	39.2	J	730	37.0	ug/Kg	1		✱	8270C	Total/NA
Anthracene	75.2	J	730	37.0	ug/Kg	1		✱	8270C	Total/NA
Benzo[a]anthracene	380	J	730	37.0	ug/Kg	1		✱	8270C	Total/NA
Benzo[a]pyrene	490	J	730	37.0	ug/Kg	1		✱	8270C	Total/NA
Benzo[b]fluoranthene	1020		730	37.0	ug/Kg	1		✱	8270C	Total/NA
Benzo[g,h,i]perylene	304	J	730	37.0	ug/Kg	1		✱	8270C	Total/NA
Benzo[k]fluoranthene	306	J	730	37.0	ug/Kg	1		✱	8270C	Total/NA
Bis(2-ethylhexyl) phthalate	366	J	730	37.0	ug/Kg	1		✱	8270C	Total/NA
Chrysene	603	J	730	37.0	ug/Kg	1		✱	8270C	Total/NA
Dibenz(a,h)anthracene	70.0	J	730	37.0	ug/Kg	1		✱	8270C	Total/NA
Di-n-octyl phthalate	1040		730	41.4	ug/Kg	1		✱	8270C	Total/NA
Fluoranthene	745		730	37.0	ug/Kg	1		✱	8270C	Total/NA
Indeno[1,2,3-cd]pyrene	279	J	730	37.0	ug/Kg	1		✱	8270C	Total/NA
Phenanthrene	248	J	730	37.0	ug/Kg	1		✱	8270C	Total/NA
Pyrene	929		730	37.0	ug/Kg	1		✱	8270C	Total/NA
4,4'-DDE	1.03	J	7.15	0.184	ug/Kg	1		✱	8081B	Total/NA
gamma-Chlordane	0.264	J	3.68	0.182	ug/Kg	1		✱	8081B	Total/NA
Aroclor 1260	0.0938		0.0729	0.0113	mg/Kg	1		✱	8082A	Total/NA
Silicon	387		25.3	8.01	mg/Kg	1		✱	6010B	Total/NA
Aluminum	4470		3.58	1.72	mg/Kg	1		✱	6020	Total/NA
Calcium	200000		716	395	mg/Kg	20		✱	6020	Total/NA
Potassium	850		71.6	35.1	mg/Kg	1		✱	6020	Total/NA
Arsenic	5.51		0.358	0.0714	mg/Kg	1		✱	6020	Total/NA
Magnesium	2350		35.8	7.83	mg/Kg	1		✱	6020	Total/NA
Barium	40.7		0.358	0.156	mg/Kg	1		✱	6020	Total/NA
Sodium	169		71.6	40.2	mg/Kg	1		✱	6020	Total/NA
Beryllium	0.571		0.358	0.125	mg/Kg	1		✱	6020	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Corpus Christi

Detection Summary

Client: Edwards Aquifer Authority
Project/Site: Sludge Composite

TestAmerica Job ID: 560-40591-1

Client Sample ID: HSM 350 (Continued)

Lab Sample ID: 560-40591-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Strontium	157		0.358	0.0874	mg/Kg	1	☼	6020	Total/NA
Cadmium	0.410		0.358	0.103	mg/Kg	1	☼	6020	Total/NA
Chromium	15.5		0.358	0.160	mg/Kg	1	☼	6020	Total/NA
Copper	14.3		0.716	0.253	mg/Kg	1	☼	6020	Total/NA
Iron	7010		35.8	7.91	mg/Kg	1	☼	6020	Total/NA
Lead	57.0		0.716	0.293	mg/Kg	1	☼	6020	Total/NA
Manganese	122		3.58	0.863	mg/Kg	1	☼	6020	Total/NA
Nickel	8.60		0.358	0.190	mg/Kg	1	☼	6020	Total/NA
Selenium	1.57		0.358	0.0623	mg/Kg	1	☼	6020	Total/NA
Silver	0.205	J	0.358	0.0982	mg/Kg	1	☼	6020	Total/NA
Thallium	0.135	J	0.358	0.0986	mg/Kg	1	☼	6020	Total/NA
Zinc	62.8		1.79	1.10	mg/Kg	1	☼	6020	Total/NA
Mercury	0.0860	J	0.240	0.0216	mg/Kg	1	☼	7471A	Total/NA
Phosphorus	727		39.0	21.5	mg/Kg	1	☼	365.4	Total/NA
Total Organic Carbon	52100		3320	598	mg/Kg	1	☼	WALKLEY BLACK	Total/NA
Chloride	35.6	J	44.3	4.65	mg/Kg	2	☼	9056	Soluble
Nitrate as N	9.97	J	22.2	2.46	mg/Kg	2	☼	9056	Soluble
Sulfate	897	B	44.3	38.3	mg/Kg	2	☼	9056	Soluble
Fluoride	2.37		2.22	0.443	mg/Kg	1	☼	SM 4500 F C	Soluble
Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
pH	7.33		0.100	0.100	SU	1		9045D	Total/NA
Total Alkalinity as CaCO3	1770		277	277	mg/Kg	1	☼	SM 2320B	Soluble
Bicarbonate Alkalinity as CaCO3	1770		277	277	mg/Kg	1	☼	SM 2320B	Soluble

This Detection Summary does not include radiochemical test results.

TestAmerica Corpus Christi

Client Sample Results

Client: Edwards Aquifer Authority
Project/Site: Sludge Composite

TestAmerica Job ID: 560-40591-1

Client Sample ID: HSM 320

Lab Sample ID: 560-40591-1

Date Collected: 06/12/13 10:25

Matrix: Solid

Date Received: 06/13/13 08:35

Percent Solids: 45.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	139	J	479	69.0	ug/Kg	☼		06/14/13 14:19	1
Acetonitrile	<355		479	355	ug/Kg	☼		06/14/13 14:19	1
Benzene	<2.21		47.9	2.21	ug/Kg	☼		06/14/13 14:19	1
Benzyl chloride	<4.79		47.9	4.79	ug/Kg	☼		06/14/13 14:19	1
Bromobenzene	<7.09		47.9	7.09	ug/Kg	☼		06/14/13 14:19	1
Bromochloromethane	<8.63		47.9	8.63	ug/Kg	☼		06/14/13 14:19	1
Bromoform	<4.89		47.9	4.89	ug/Kg	☼		06/14/13 14:19	1
Bromomethane	<10.5		47.9	10.5	ug/Kg	☼		06/14/13 14:19	1
1,3-Butadiene	<2.30		47.9	2.30	ug/Kg	☼		06/14/13 14:19	1
2-Butanone (MEK)	<18.2		95.9	18.2	ug/Kg	☼		06/14/13 14:19	1
Carbon disulfide	<9.59		47.9	9.59	ug/Kg	☼		06/14/13 14:19	1
Carbon tetrachloride	<4.89		47.9	4.89	ug/Kg	☼		06/14/13 14:19	1
Chlorobenzene	<2.21		47.9	2.21	ug/Kg	☼		06/14/13 14:19	1
2-Chloro-1,3-butadiene	<6.62		47.9	6.62	ug/Kg	☼		06/14/13 14:19	1
Chlorodibromomethane	<6.14		47.9	6.14	ug/Kg	☼		06/14/13 14:19	1
Chloroethane	<2.49		47.9	2.49	ug/Kg	☼		06/14/13 14:19	1
Chloroform	<8.34		47.9	8.34	ug/Kg	☼		06/14/13 14:19	1
1-Chlorohexane	<5.27		47.9	5.27	ug/Kg	☼		06/14/13 14:19	1
Chloromethane	<11.5		47.9	11.5	ug/Kg	☼		06/14/13 14:19	1
3-Chloro-1-propene	<9.40		47.9	9.40	ug/Kg	☼		06/14/13 14:19	1
2-Chlorotoluene	<2.11		47.9	2.11	ug/Kg	☼		06/14/13 14:19	1
4-Chlorotoluene	<6.62		47.9	6.62	ug/Kg	☼		06/14/13 14:19	1
cis-1,4-Dichloro-2-butene	<3.07		47.9	3.07	ug/Kg	☼		06/14/13 14:19	1
cis-1,2-Dichloroethene	<5.46		47.9	5.46	ug/Kg	☼		06/14/13 14:19	1
cis-1,3-Dichloropropene	<1.35		47.9	1.35	ug/Kg	☼		06/14/13 14:19	1
Cyclohexane	<9.49		95.9	9.49	ug/Kg	☼		06/14/13 14:19	1
Cyclohexanone	<95.9		959	95.9	ug/Kg	☼		06/14/13 14:19	1
1,2-Dibromo-3-Chloropropane	<3.16		47.9	3.16	ug/Kg	☼		06/14/13 14:19	1
Dibromomethane	<6.81		47.9	6.81	ug/Kg	☼		06/14/13 14:19	1
1,2-Dichlorobenzene	<2.40		47.9	2.40	ug/Kg	☼		06/14/13 14:19	1
1,3-Dichlorobenzene	<2.97		47.9	2.97	ug/Kg	☼		06/14/13 14:19	1
1,4-Dichlorobenzene	<3.07		47.9	3.07	ug/Kg	☼		06/14/13 14:19	1
Dichlorobromomethane	<1.82		47.9	1.82	ug/Kg	☼		06/14/13 14:19	1
Dichlorodifluoromethane	<7.00		47.9	7.00	ug/Kg	☼		06/14/13 14:19	1
1,1-Dichloroethane	<5.66		47.9	5.66	ug/Kg	☼		06/14/13 14:19	1
1,2-Dichloroethane	<4.99		47.9	4.99	ug/Kg	☼		06/14/13 14:19	1
1,1-Dichloroethene	<1.82		47.9	1.82	ug/Kg	☼		06/14/13 14:19	1
1,2-Dichloroethene, Total	<4.79		47.9	4.79	ug/Kg	☼		06/14/13 14:19	1
1,2-Dichloropropane	<1.44		47.9	1.44	ug/Kg	☼		06/14/13 14:19	1
1,3-Dichloropropane	<2.30		47.9	2.30	ug/Kg	☼		06/14/13 14:19	1
2,2-Dichloropropane	<8.05		47.9	8.05	ug/Kg	☼		06/14/13 14:19	1
1,1-Dichloropropene	<4.99		47.9	4.99	ug/Kg	☼		06/14/13 14:19	1
1,4-Dioxane	<182		959	182	ug/Kg	☼		06/14/13 14:19	1
EDB	<1.63		47.9	1.63	ug/Kg	☼		06/14/13 14:19	1
Ethyl acetate	<26.9		47.9	26.9	ug/Kg	☼		06/14/13 14:19	1
Ethylbenzene	<4.31		47.9	4.31	ug/Kg	☼		06/14/13 14:19	1
Ethylene oxide	<153		383	153	ug/Kg	☼		06/14/13 14:19	1
Ethyl ether	<1.63		47.9	1.63	ug/Kg	☼		06/14/13 14:19	1
Ethyl methacrylate	<4.89		47.9	4.89	ug/Kg	☼		06/14/13 14:19	1

TestAmerica Corpus Christi

Client Sample Results

Client: Edwards Aquifer Authority
Project/Site: Sludge Composite

TestAmerica Job ID: 560-40591-1

Client Sample ID: HSM 320

Lab Sample ID: 560-40591-1

Date Collected: 06/12/13 10:25

Matrix: Solid

Date Received: 06/13/13 08:35

Percent Solids: 45.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	<6.14		47.9	6.14	ug/Kg	☼		06/14/13 14:19	1
Hexane	<12.5		47.9	12.5	ug/Kg	☼		06/14/13 14:19	1
2-Hexanone	<14.4		95.9	14.4	ug/Kg	☼		06/14/13 14:19	1
Iodomethane	<7.67		47.9	7.67	ug/Kg	☼		06/14/13 14:19	1
Isobutyl alcohol	<652		959	652	ug/Kg	☼		06/14/13 14:19	1
Isooctane	<1.53		47.9	1.53	ug/Kg	☼		06/14/13 14:19	1
Isopropylbenzene	<1.34		47.9	1.34	ug/Kg	☼		06/14/13 14:19	1
4-Isopropyltoluene	<3.79		47.9	3.79	ug/Kg	☼		06/14/13 14:19	1
Methacrylonitrile	<23.0		479	23.0	ug/Kg	☼		06/14/13 14:19	1
Methylene Chloride	<47.9		240	47.9	ug/Kg	☼		06/14/13 14:19	1
Methyl methacrylate	<10.5		47.9	10.5	ug/Kg	☼		06/14/13 14:19	1
4-Methyl-2-pentanone (MIBK)	<14.4		95.9	14.4	ug/Kg	☼		06/14/13 14:19	1
Methyl tert-butyl ether	<5.85		47.9	5.85	ug/Kg	☼		06/14/13 14:19	1
m-Xylene & p-Xylene	<4.79		95.9	4.79	ug/Kg	☼		06/14/13 14:19	1
Naphthalene	<11.5		95.9	11.5	ug/Kg	☼		06/14/13 14:19	1
n-Butylbenzene	<2.59		47.9	2.59	ug/Kg	☼		06/14/13 14:19	1
n-Heptane	<5.08		47.9	5.08	ug/Kg	☼		06/14/13 14:19	1
2-Nitropropane	<4.99		47.9	4.99	ug/Kg	☼		06/14/13 14:19	1
N-Propylbenzene	<2.01		47.9	2.01	ug/Kg	☼		06/14/13 14:19	1
1-Octene	<4.79		47.9	4.79	ug/Kg	☼		06/14/13 14:19	1
o-Xylene	<2.11		47.9	2.11	ug/Kg	☼		06/14/13 14:19	1
Pentachloroethane	<13.4		47.9	13.4	ug/Kg	☼		06/14/13 14:19	1
Propionitrile	<47.0		479	47.0	ug/Kg	☼		06/14/13 14:19	1
sec-Butylbenzene	<1.92		47.9	1.92	ug/Kg	☼		06/14/13 14:19	1
Styrene	<1.92		47.9	1.92	ug/Kg	☼		06/14/13 14:19	1
tert-Butylbenzene	<2.40		47.9	2.40	ug/Kg	☼		06/14/13 14:19	1
1,1,1,2-Tetrachloroethane	<2.59		47.9	2.59	ug/Kg	☼		06/14/13 14:19	1
1,1,2,2-Tetrachloroethane	<3.64		47.9	3.64	ug/Kg	☼		06/14/13 14:19	1
Tetrachloroethene	<7.09		47.9	7.09	ug/Kg	☼		06/14/13 14:19	1
Toluene	<8.63		47.9	8.63	ug/Kg	☼		06/14/13 14:19	1
trans-1,4-Dichloro-2-butene	<8.44		47.9	8.44	ug/Kg	☼		06/14/13 14:19	1
trans-1,2-Dichloroethene	<4.79		47.9	4.79	ug/Kg	☼		06/14/13 14:19	1
trans-1,3-Dichloropropene	<4.99		47.9	4.99	ug/Kg	☼		06/14/13 14:19	1
1,2,3-Trichlorobenzene	<4.22		47.9	4.22	ug/Kg	☼		06/14/13 14:19	1
1,2,4-Trichlorobenzene	<9.30		47.9	9.30	ug/Kg	☼		06/14/13 14:19	1
1,3,5-Trichlorobenzene	<2.97		47.9	2.97	ug/Kg	☼		06/14/13 14:19	1
1,1,1-Trichloroethane	<6.71		47.9	6.71	ug/Kg	☼		06/14/13 14:19	1
1,1,2-Trichloroethane	<4.79		47.9	4.79	ug/Kg	☼		06/14/13 14:19	1
Trichloroethene	<2.68		47.9	2.68	ug/Kg	☼		06/14/13 14:19	1
Trichlorofluoromethane	<4.79		47.9	4.79	ug/Kg	☼		06/14/13 14:19	1
1,2,3-Trichloropropane	<7.29		47.9	7.29	ug/Kg	☼		06/14/13 14:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<6.42		47.9	6.42	ug/Kg	☼		06/14/13 14:19	1
1,2,4-Trimethylbenzene	<3.64		47.9	3.64	ug/Kg	☼		06/14/13 14:19	1
1,3,5-Trimethylbenzene	<3.36		47.9	3.36	ug/Kg	☼		06/14/13 14:19	1
Vinyl acetate	<10.5		47.9	10.5	ug/Kg	☼		06/14/13 14:19	1
Vinyl chloride	<5.75		47.9	5.75	ug/Kg	☼		06/14/13 14:19	1
Xylenes, Total	<4.79		144	4.79	ug/Kg	☼		06/14/13 14:19	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼				06/14/13 14:19	1

TestAmerica Corpus Christi

Client Sample Results

Client: Edwards Aquifer Authority
Project/Site: Sludge Composite

TestAmerica Job ID: 560-40591-1

Client Sample ID: HSM 320

Lab Sample ID: 560-40591-1

Date Collected: 06/12/13 10:25

Matrix: Solid

Date Received: 06/13/13 08:35

Percent Solids: 45.0

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		61 - 136		06/14/13 14:19	1
Dibromofluoromethane (Surr)	95		50 - 136		06/14/13 14:19	1
1,2-Dichloroethane-d4 (Surr)	104		65 - 152		06/14/13 14:19	1
Toluene-d8 (Surr)	98		65 - 139		06/14/13 14:19	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<37.0		732	37.0	ug/Kg	☼	06/18/13 11:00	06/19/13 16:49	1
Acenaphthylene	<37.0		732	37.0	ug/Kg	☼	06/18/13 11:00	06/19/13 16:49	1
Anthracene	<37.0		732	37.0	ug/Kg	☼	06/18/13 11:00	06/19/13 16:49	1
Benzo[a]anthracene	68.3	J	732	37.0	ug/Kg	☼	06/18/13 11:00	06/19/13 16:49	1
Benzo[a]pyrene	70.5	J	732	37.0	ug/Kg	☼	06/18/13 11:00	06/19/13 16:49	1
Benzo[b]fluoranthene	112	J	732	37.0	ug/Kg	☼	06/18/13 11:00	06/19/13 16:49	1
Benzo[g,h,i]perylene	52.2	J	732	37.0	ug/Kg	☼	06/18/13 11:00	06/19/13 16:49	1
Benzo[k]fluoranthene	<37.0		732	37.0	ug/Kg	☼	06/18/13 11:00	06/19/13 16:49	1
Benzyl alcohol	<54.3		732	54.3	ug/Kg	☼	06/18/13 11:00	06/19/13 16:49	1
Bis(2-chloroethoxy)methane	<37.0		732	37.0	ug/Kg	☼	06/18/13 11:00	06/19/13 16:49	1
Bis(2-chloroethyl)ether	<83.0		732	83.0	ug/Kg	☼	06/18/13 11:00	06/19/13 16:49	1
Bis(2-ethylhexyl) phthalate	65.6	J	732	37.0	ug/Kg	☼	06/18/13 11:00	06/19/13 16:49	1
4-Bromophenyl phenyl ether	<37.0		732	37.0	ug/Kg	☼	06/18/13 11:00	06/19/13 16:49	1
Butyl benzyl phthalate	<37.0		732	37.0	ug/Kg	☼	06/18/13 11:00	06/19/13 16:49	1
4-Chloroaniline	<103		732	103	ug/Kg	☼	06/18/13 11:00	06/19/13 16:49	1
4-Chloro-3-methylphenol	<37.0		732	37.0	ug/Kg	☼	06/18/13 11:00	06/19/13 16:49	1
2-Chloronaphthalene	<37.0		732	37.0	ug/Kg	☼	06/18/13 11:00	06/19/13 16:49	1
2-Chlorophenol	<61.7		732	61.7	ug/Kg	☼	06/18/13 11:00	06/19/13 16:49	1
4-Chlorophenyl phenyl ether	<37.0		732	37.0	ug/Kg	☼	06/18/13 11:00	06/19/13 16:49	1
Chrysene	79.0	J	732	37.0	ug/Kg	☼	06/18/13 11:00	06/19/13 16:49	1
Dibenz(a,h)anthracene	<37.0		732	37.0	ug/Kg	☼	06/18/13 11:00	06/19/13 16:49	1
Dibenzofuran	<37.0		732	37.0	ug/Kg	☼	06/18/13 11:00	06/19/13 16:49	1
1,2-Dichlorobenzene	<116		732	116	ug/Kg	☼	06/18/13 11:00	06/19/13 16:49	1
1,3-Dichlorobenzene	<97.2		732	97.2	ug/Kg	☼	06/18/13 11:00	06/19/13 16:49	1
1,4-Dichlorobenzene	<102		732	102	ug/Kg	☼	06/18/13 11:00	06/19/13 16:49	1
3,3'-Dichlorobenzidine	<111		732	111	ug/Kg	☼	06/18/13 11:00	06/19/13 16:49	1
2,4-Dichlorophenol	<50.6		732	50.6	ug/Kg	☼	06/18/13 11:00	06/19/13 16:49	1
Diethyl phthalate	<37.0		732	37.0	ug/Kg	☼	06/18/13 11:00	06/19/13 16:49	1
2,4-Dimethylphenol	<45.3		732	45.3	ug/Kg	☼	06/18/13 11:00	06/19/13 16:49	1
Dimethyl phthalate	<37.0		732	37.0	ug/Kg	☼	06/18/13 11:00	06/19/13 16:49	1
Di-n-butyl phthalate	<37.0		732	37.0	ug/Kg	☼	06/18/13 11:00	06/19/13 16:49	1
4,6-Dinitro-2-methylphenol	<111		732	111	ug/Kg	☼	06/18/13 11:00	06/19/13 16:49	1
2,4-Dinitrophenol	<222		732	222	ug/Kg	☼	06/18/13 11:00	06/19/13 16:49	1
2,4-Dinitrotoluene	<46.8		732	46.8	ug/Kg	☼	06/18/13 11:00	06/19/13 16:49	1
2,6-Dinitrotoluene	<111		732	111	ug/Kg	☼	06/18/13 11:00	06/19/13 16:49	1
Di-n-octyl phthalate	<41.5		732	41.5	ug/Kg	☼	06/18/13 11:00	06/19/13 16:49	1
Fluoranthene	105	J	732	37.0	ug/Kg	☼	06/18/13 11:00	06/19/13 16:49	1
Fluorene	<37.0		732	37.0	ug/Kg	☼	06/18/13 11:00	06/19/13 16:49	1
Hexachlorobenzene	<37.0		732	37.0	ug/Kg	☼	06/18/13 11:00	06/19/13 16:49	1
Hexachlorobutadiene	<99.2		732	99.2	ug/Kg	☼	06/18/13 11:00	06/19/13 16:49	1
Hexachlorocyclopentadiene	<222		732	222	ug/Kg	☼	06/18/13 11:00	06/19/13 16:49	1
Hexachloroethane	<111		732	111	ug/Kg	☼	06/18/13 11:00	06/19/13 16:49	1
Indeno[1,2,3-cd]pyrene	46.6	J	732	37.0	ug/Kg	☼	06/18/13 11:00	06/19/13 16:49	1

TestAmerica Corpus Christi

Client Sample Results

Client: Edwards Aquifer Authority
Project/Site: Sludge Composite

TestAmerica Job ID: 560-40591-1

Client Sample ID: HSM 320

Lab Sample ID: 560-40591-1

Date Collected: 06/12/13 10:25

Matrix: Solid

Date Received: 06/13/13 08:35

Percent Solids: 45.0

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isophorone	<37.0		732	37.0	ug/Kg	☼	06/18/13 11:00	06/19/13 16:49	1
2-Methylnaphthalene	<69.0		732	69.0	ug/Kg	☼	06/18/13 11:00	06/19/13 16:49	1
2-Methylphenol	<73.2		732	73.2	ug/Kg	☼	06/18/13 11:00	06/19/13 16:49	1
3 & 4 Methylphenol	<111		1490	111	ug/Kg	☼	06/18/13 11:00	06/19/13 16:49	1
Naphthalene	<92.5		732	92.5	ug/Kg	☼	06/18/13 11:00	06/19/13 16:49	1
2-Nitroaniline	<49.2		732	49.2	ug/Kg	☼	06/18/13 11:00	06/19/13 16:49	1
3-Nitroaniline	<111		732	111	ug/Kg	☼	06/18/13 11:00	06/19/13 16:49	1
4-Nitroaniline	<62.3		732	62.3	ug/Kg	☼	06/18/13 11:00	06/19/13 16:49	1
Nitrobenzene	<80.7		732	80.7	ug/Kg	☼	06/18/13 11:00	06/19/13 16:49	1
2-Nitrophenol	<37.7		732	37.7	ug/Kg	☼	06/18/13 11:00	06/19/13 16:49	1
4-Nitrophenol	<67.7		732	67.7	ug/Kg	☼	06/18/13 11:00	06/19/13 16:49	1
N-Nitrosodi-n-propylamine	<37.0		732	37.0	ug/Kg	☼	06/18/13 11:00	06/19/13 16:49	1
N-Nitrosodiphenylamine	<37.0		732	37.0	ug/Kg	☼	06/18/13 11:00	06/19/13 16:49	1
Pentachlorophenol	<222		732	222	ug/Kg	☼	06/18/13 11:00	06/19/13 16:49	1
Phenanthrene	<37.0		732	37.0	ug/Kg	☼	06/18/13 11:00	06/19/13 16:49	1
Phenol	<37.0		732	37.0	ug/Kg	☼	06/18/13 11:00	06/19/13 16:49	1
Pyrene	103 J		732	37.0	ug/Kg	☼	06/18/13 11:00	06/19/13 16:49	1
1,2,4-Trichlorobenzene	<101		732	101	ug/Kg	☼	06/18/13 11:00	06/19/13 16:49	1
2,4,5-Trichlorophenol	<37.0		732	37.0	ug/Kg	☼	06/18/13 11:00	06/19/13 16:49	1
2,4,6-Trichlorophenol	<37.0		732	37.0	ug/Kg	☼	06/18/13 11:00	06/19/13 16:49	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
17-Pentatriacontene	1830	T J N	ug/Kg	☼	15.88	6971-40-0	06/18/13 11:00	06/19/13 16:49	1
Phosphonic acid, dioctadecyl ester	1210	T J N	ug/Kg	☼	17.49	19047-85-9	06/18/13 11:00	06/19/13 16:49	1
Vitamin e	1750	T J N	ug/Kg	☼	18.95	10191-41-0	06/18/13 11:00	06/19/13 16:49	1
7-Heptadecene, 1-chloro-	1700	T J N	ug/Kg	☼	20.20	56554-78-0	06/18/13 11:00	06/19/13 16:49	1
Pregn-5-en-3-ol,	5450	T J N	ug/Kg	☼	20.77	55103-80-5	06/18/13 11:00	06/19/13 16:49	1
21-bromo-20-methyl-, (3									
Cholestane, 3-ethoxy-,	3220	T J N	ug/Kg	☼	20.91	2089-02-3	06/18/13 11:00	06/19/13 16:49	1
(3.beta.,5.alpha.									

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	72		57 - 130	06/18/13 11:00	06/19/13 16:49	1
2-Fluorophenol	74		48 - 130	06/18/13 11:00	06/19/13 16:49	1
Nitrobenzene-d5	66		48 - 130	06/18/13 11:00	06/19/13 16:49	1
Phenol-d5	75		56 - 130	06/18/13 11:00	06/19/13 16:49	1
Terphenyl-d14	70		58 - 130	06/18/13 11:00	06/19/13 16:49	1
2,4,6-Tribromophenol	92		30 - 131	06/18/13 11:00	06/19/13 16:49	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
delta-BHC	<0.204		3.69	0.204	ug/Kg	☼	06/17/13 10:11	06/27/13 17:19	1
4,4'-DDD	0.643 J		7.16	0.193	ug/Kg	☼	06/17/13 10:11	06/27/13 17:19	1
4,4'-DDE	1.21 J		7.16	0.184	ug/Kg	☼	06/17/13 10:11	06/27/13 17:19	1
4,4'-DDT	<0.282		7.16	0.282	ug/Kg	☼	06/17/13 10:11	06/27/13 17:19	1
Aldrin	<0.104		3.69	0.104	ug/Kg	☼	06/17/13 10:11	06/27/13 17:19	1
alpha-BHC	<0.608		3.69	0.608	ug/Kg	☼	06/17/13 10:11	06/27/13 17:19	1
alpha-Chlordane	<0.124		3.69	0.124	ug/Kg	☼	06/17/13 10:11	06/27/13 17:19	1
beta-BHC	<0.154		3.69	0.154	ug/Kg	☼	06/17/13 10:11	06/27/13 17:19	1
Dieldrin	<0.0738		7.16	0.0738	ug/Kg	☼	06/17/13 10:11	06/27/13 17:19	1
Endosulfan I	<0.0760		3.69	0.0760	ug/Kg	☼	06/17/13 10:11	06/27/13 17:19	1

TestAmerica Corpus Christi

Client Sample Results

Client: Edwards Aquifer Authority
Project/Site: Sludge Composite

TestAmerica Job ID: 560-40591-1

Client Sample ID: HSM 320

Lab Sample ID: 560-40591-1

Date Collected: 06/12/13 10:25

Matrix: Solid

Date Received: 06/13/13 08:35

Percent Solids: 45.0

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan II	<0.184		7.16	0.184	ug/Kg	☼	06/17/13 10:11	06/27/13 17:19	1
Endosulfan sulfate	<0.347		7.16	0.347	ug/Kg	☼	06/17/13 10:11	06/27/13 17:19	1
Endrin	<0.195		7.16	0.195	ug/Kg	☼	06/17/13 10:11	06/27/13 17:19	1
Endrin aldehyde	<0.260		7.16	0.260	ug/Kg	☼	06/17/13 10:11	06/27/13 17:19	1
Endrin ketone	<0.260		7.16	0.260	ug/Kg	☼	06/17/13 10:11	06/27/13 17:19	1
gamma-BHC (Lindane)	<0.0846		3.69	0.0846	ug/Kg	☼	06/17/13 10:11	06/27/13 17:19	1
gamma-Chlordane	0.388	J	3.69	0.182	ug/Kg	☼	06/17/13 10:11	06/27/13 17:19	1
Heptachlor	<0.260		3.69	0.260	ug/Kg	☼	06/17/13 10:11	06/27/13 17:19	1
Heptachlor epoxide	<0.124		3.69	0.124	ug/Kg	☼	06/17/13 10:11	06/27/13 17:19	1
Methoxychlor	<0.178		36.9	0.178	ug/Kg	☼	06/17/13 10:11	06/27/13 17:19	1
Toxaphene	<14.5		369	14.5	ug/Kg	☼	06/17/13 10:11	06/27/13 17:19	1
Chlordane (technical)	<5.43		36.9	5.43	ug/Kg	☼	06/17/13 10:11	06/27/13 17:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	35		30 - 138	06/17/13 10:11	06/27/13 17:19	1
Tetrachloro-m-xylene	12	X	30 - 130	06/17/13 10:11	06/27/13 17:19	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	<0.0113		0.0734	0.0113	mg/Kg	☼	06/14/13 14:35	06/20/13 00:14	1
Aroclor 1221	<0.0113		0.0734	0.0113	mg/Kg	☼	06/14/13 14:35	06/20/13 00:14	1
Aroclor 1232	<0.0113		0.0734	0.0113	mg/Kg	☼	06/14/13 14:35	06/20/13 00:14	1
Aroclor 1242	<0.0113		0.0734	0.0113	mg/Kg	☼	06/14/13 14:35	06/20/13 00:14	1
Aroclor 1248	<0.0113		0.0734	0.0113	mg/Kg	☼	06/14/13 14:35	06/20/13 00:14	1
Aroclor 1254	<0.0113		0.0734	0.0113	mg/Kg	☼	06/14/13 14:35	06/20/13 00:14	1
Aroclor 1260	<0.0113		0.0734	0.0113	mg/Kg	☼	06/14/13 14:35	06/20/13 00:14	1
Aroclor 1262	<0.0113		0.0734	0.0113	mg/Kg	☼	06/14/13 14:35	06/20/13 00:14	1
Aroclor 1268	<0.0113		0.0734	0.0113	mg/Kg	☼	06/14/13 14:35	06/20/13 00:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	95		57 - 138	06/14/13 14:35	06/20/13 00:14	1
Tetrachloro-m-xylene	94		32 - 132	06/14/13 14:35	06/20/13 00:14	1

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Azinphos-methyl	<32.6		143	32.6	ug/Kg	☼	06/17/13 10:11	06/27/13 01:13	1
Bolstar	<10.2		71.6	10.2	ug/Kg	☼	06/17/13 10:11	06/27/13 01:13	1
Chlorpyrifos	<14.8		71.6	14.8	ug/Kg	☼	06/17/13 10:11	06/27/13 01:13	1
Coumaphos	<47.7		716	47.7	ug/Kg	☼	06/17/13 10:11	06/27/13 01:13	1
Demeton-O	<5.64		180	5.64	ug/Kg	☼	06/17/13 10:11	06/27/13 01:13	1
Demeton-S	<12.2		180	12.2	ug/Kg	☼	06/17/13 10:11	06/27/13 01:13	1
Diazinon	<12.4		71.6	12.4	ug/Kg	☼	06/17/13 10:11	06/27/13 01:13	1
Dichlorvos	<13.9		143	13.9	ug/Kg	☼	06/17/13 10:11	06/27/13 01:13	1
Dimethoate	<19.1		143	19.1	ug/Kg	☼	06/17/13 10:11	06/27/13 01:13	1
Disulfoton	<34.7		143	34.7	ug/Kg	☼	06/17/13 10:11	06/27/13 01:13	1
EPN	<9.77		71.6	9.77	ug/Kg	☼	06/17/13 10:11	06/27/13 01:13	1
Famphur	<18.0		143	18.0	ug/Kg	☼	06/17/13 10:11	06/27/13 01:13	1
Fensulfothion	<26.0		716	26.0	ug/Kg	☼	06/17/13 10:11	06/27/13 01:13	1
Fenthion	<10.2		71.6	10.2	ug/Kg	☼	06/17/13 10:11	06/27/13 01:13	1
Malathion	<17.8		71.6	17.8	ug/Kg	☼	06/17/13 10:11	06/27/13 01:13	1

TestAmerica Corpus Christi

Client Sample Results

Client: Edwards Aquifer Authority
Project/Site: Sludge Composite

TestAmerica Job ID: 560-40591-1

Client Sample ID: HSM 320

Lab Sample ID: 560-40591-1

Date Collected: 06/12/13 10:25

Matrix: Solid

Date Received: 06/13/13 08:35

Percent Solids: 45.0

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Merphos	<23.9		71.6	23.9	ug/Kg	☼	06/17/13 10:11	06/27/13 01:13	1
Methyl parathion	<11.7		36.9	11.7	ug/Kg	☼	06/17/13 10:11	06/27/13 01:13	1
Mevinphos	<9.98		143	9.98	ug/Kg	☼	06/17/13 10:11	06/27/13 01:13	1
Ethoprop	<9.11		36.9	9.11	ug/Kg	☼	06/17/13 10:11	06/27/13 01:13	1
Monochrotophos	<99.8		716	99.8	ug/Kg	☼	06/17/13 10:11	06/27/13 01:13	1
Naled	<47.7		716	47.7	ug/Kg	☼	06/17/13 10:11	06/27/13 01:13	1
Ethyl Parathion	<11.9		71.6	11.9	ug/Kg	☼	06/17/13 10:11	06/27/13 01:13	1
Phorate	<11.7		71.6	11.7	ug/Kg	☼	06/17/13 10:11	06/27/13 01:13	1
Ronnel	<9.11		71.6	9.11	ug/Kg	☼	06/17/13 10:11	06/27/13 01:13	1
Stirophos	<13.9		71.6	13.9	ug/Kg	☼	06/17/13 10:11	06/27/13 01:13	1
Sulfotepp	<18.7		36.9	18.7	ug/Kg	☼	06/17/13 10:11	06/27/13 01:13	1
Thionazin	<21.7		71.6	21.7	ug/Kg	☼	06/17/13 10:11	06/27/13 01:13	1
Tokuthion	<11.7		71.6	11.7	ug/Kg	☼	06/17/13 10:11	06/27/13 01:13	1
Trichloronate	<16.5		716	16.5	ug/Kg	☼	06/17/13 10:11	06/27/13 01:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Triphenylphosphate	63		35 - 134	06/17/13 10:11	06/27/13 01:13	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<10.9		18.2	10.9	ug/Kg	☼	06/18/13 08:26	06/20/13 00:16	1
Dalapon	<6.35		722	6.35	ug/Kg	☼	06/18/13 08:26	06/20/13 00:16	1
2,4-DB	<6.57		18.2	6.57	ug/Kg	☼	06/18/13 08:26	06/20/13 00:16	1
Dicamba	<4.16		18.2	4.16	ug/Kg	☼	06/18/13 08:26	06/20/13 00:16	1
Dichlorprop	<2.41		18.2	2.41	ug/Kg	☼	06/18/13 08:26	06/20/13 00:16	1
Dinoseb	<10.1		219	10.1	ug/Kg	☼	06/18/13 08:26	06/20/13 00:16	1
MCPA	<416		4380	416	ug/Kg	☼	06/18/13 08:26	06/20/13 00:16	1
Mecoprop	<372		4380	372	ug/Kg	☼	06/18/13 08:26	06/20/13 00:16	1
Pentachlorophenol	<0.919		18.2	0.919	ug/Kg	☼	06/18/13 08:26	06/20/13 00:16	1
Silvex (2,4,5-TP)	<3.50		18.2	3.50	ug/Kg	☼	06/18/13 08:26	06/20/13 00:16	1
2,4,5-T	<5.04		18.2	5.04	ug/Kg	☼	06/18/13 08:26	06/20/13 00:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCAA	54	p	35 - 137	06/18/13 08:26	06/20/13 00:16	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silicon	298		22.9	7.24	mg/Kg	☼	06/27/13 11:40	06/28/13 18:16	1

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7000		4.16	2.00	mg/Kg	☼	06/26/13 09:20	06/26/13 18:06	1
Calcium	75500		832	460	mg/Kg	☼	06/26/13 09:20	06/27/13 15:57	20
Antimony	<0.160		0.416	0.160	mg/Kg	☼	06/26/13 09:20	06/27/13 14:35	1
Potassium	1560		83.2	40.8	mg/Kg	☼	06/26/13 09:20	06/26/13 18:06	1
Arsenic	9.82		0.416	0.0831	mg/Kg	☼	06/26/13 09:20	06/26/13 18:06	1
Magnesium	1850		41.6	9.11	mg/Kg	☼	06/26/13 09:20	06/26/13 18:06	1
Barium	60.9		0.416	0.181	mg/Kg	☼	06/26/13 09:20	06/26/13 18:06	1
Sodium	136		83.2	46.8	mg/Kg	☼	06/26/13 09:20	06/26/13 18:06	1
Beryllium	0.843		0.416	0.146	mg/Kg	☼	06/26/13 09:20	06/26/13 18:06	1
Strontium	83.7		0.416	0.102	mg/Kg	☼	06/26/13 09:20	06/26/13 18:06	1

TestAmerica Corpus Christi

Client Sample Results

Client: Edwards Aquifer Authority
Project/Site: Sludge Composite

TestAmerica Job ID: 560-40591-1

Client Sample ID: HSM 320

Lab Sample ID: 560-40591-1

Date Collected: 06/12/13 10:25

Matrix: Solid

Date Received: 06/13/13 08:35

Percent Solids: 45.0

Method: 6020 - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.495		0.416	0.120	mg/Kg	☼	06/26/13 09:20	06/26/13 18:06	1
Chromium	19.4		0.416	0.186	mg/Kg	☼	06/26/13 09:20	06/26/13 18:06	1
Copper	37.2		0.832	0.295	mg/Kg	☼	06/26/13 09:20	06/26/13 18:06	1
Iron	20300		41.6	9.21	mg/Kg	☼	06/26/13 09:20	06/26/13 18:06	1
Lead	34.8		0.832	0.341	mg/Kg	☼	06/26/13 09:20	06/26/13 18:06	1
Manganese	298		4.16	1.00	mg/Kg	☼	06/26/13 09:20	06/26/13 18:06	1
Nickel	20.6		0.416	0.221	mg/Kg	☼	06/26/13 09:20	06/26/13 18:06	1
Selenium	1.61		0.416	0.0724	mg/Kg	☼	06/26/13 09:20	06/26/13 18:06	1
Silver	0.122	J	0.416	0.114	mg/Kg	☼	06/26/13 09:20	06/26/13 18:06	1
Thallium	0.213	J	0.416	0.115	mg/Kg	☼	06/26/13 09:20	06/26/13 18:06	1
Zinc	66.1		2.08	1.28	mg/Kg	☼	06/26/13 09:20	06/26/13 18:06	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0682	J	0.224	0.0202	mg/Kg	☼	06/19/13 10:00	06/19/13 15:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phosphorus	1990		415	228	mg/Kg	☼	06/21/13 16:30	06/24/13 20:46	10
Total Organic Carbon	61400		3340	601	mg/Kg	☼		06/25/13 13:20	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.45		0.100	0.100	SU			06/19/13 15:15	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	33.8	J	111	11.7	mg/Kg	☼		07/02/13 20:29	5
Nitrate as N	<6.18		55.6	6.18	mg/Kg	☼		07/02/13 20:29	5
Sulfate	1030	B	111	96.2	mg/Kg	☼		07/02/13 20:29	5
Bromide	<6.85		111	6.85	mg/Kg	☼		07/02/13 20:29	5
Fluoride	5.03		2.22	0.445	mg/Kg	☼		06/24/13 11:30	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3	1260		278	278	mg/Kg	☼		06/21/13 15:00	1
Bicarbonate Alkalinity as CaCO3	1260		278	278	mg/Kg	☼		06/21/13 15:00	1
Carbonate Alkalinity as CaCO3	<278		278	278	mg/Kg	☼		06/21/13 15:00	1

Client Sample ID: HSM 330

Lab Sample ID: 560-40591-2

Date Collected: 06/12/13 11:00

Matrix: Solid

Date Received: 06/13/13 08:35

Percent Solids: 78.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	138	J	180	25.9	ug/Kg	☼		06/14/13 14:45	1
Acetonitrile	<133		180	133	ug/Kg	☼		06/14/13 14:45	1
Benzene	<0.829		18.0	0.829	ug/Kg	☼		06/14/13 14:45	1
Benzyl chloride	<1.80		18.0	1.80	ug/Kg	☼		06/14/13 14:45	1
Bromobenzene	<2.67		18.0	2.67	ug/Kg	☼		06/14/13 14:45	1
Bromochloromethane	<3.24		18.0	3.24	ug/Kg	☼		06/14/13 14:45	1
Bromoform	<1.84		18.0	1.84	ug/Kg	☼		06/14/13 14:45	1
Bromomethane	<3.96		18.0	3.96	ug/Kg	☼		06/14/13 14:45	1
1,3-Butadiene	<0.865		18.0	0.865	ug/Kg	☼		06/14/13 14:45	1

TestAmerica Corpus Christi

Client Sample Results

Client: Edwards Aquifer Authority
Project/Site: Sludge Composite

TestAmerica Job ID: 560-40591-1

Client Sample ID: HSM 330

Lab Sample ID: 560-40591-2

Date Collected: 06/12/13 11:00

Matrix: Solid

Date Received: 06/13/13 08:35

Percent Solids: 78.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	40.4		36.0	6.85	ug/Kg	☼		06/14/13 14:45	1
Carbon disulfide	<3.60		18.0	3.60	ug/Kg	☼		06/14/13 14:45	1
Carbon tetrachloride	<1.84		18.0	1.84	ug/Kg	☼		06/14/13 14:45	1
Chlorobenzene	<0.829		18.0	0.829	ug/Kg	☼		06/14/13 14:45	1
2-Chloro-1,3-butadiene	<2.49		18.0	2.49	ug/Kg	☼		06/14/13 14:45	1
Chlorodibromomethane	<2.31		18.0	2.31	ug/Kg	☼		06/14/13 14:45	1
Chloroethane	<0.937		18.0	0.937	ug/Kg	☼		06/14/13 14:45	1
Chloroform	<3.14		18.0	3.14	ug/Kg	☼		06/14/13 14:45	1
1-Chlorohexane	<1.98		18.0	1.98	ug/Kg	☼		06/14/13 14:45	1
Chloromethane	<4.32		18.0	4.32	ug/Kg	☼		06/14/13 14:45	1
3-Chloro-1-propene	<3.53		18.0	3.53	ug/Kg	☼		06/14/13 14:45	1
2-Chlorotoluene	<0.793		18.0	0.793	ug/Kg	☼		06/14/13 14:45	1
4-Chlorotoluene	<2.49		18.0	2.49	ug/Kg	☼		06/14/13 14:45	1
cis-1,4-Dichloro-2-butene	<1.15		18.0	1.15	ug/Kg	☼		06/14/13 14:45	1
cis-1,2-Dichloroethene	<2.05		18.0	2.05	ug/Kg	☼		06/14/13 14:45	1
cis-1,3-Dichloropropene	<0.508		18.0	0.508	ug/Kg	☼		06/14/13 14:45	1
Cyclohexane	<3.57		36.0	3.57	ug/Kg	☼		06/14/13 14:45	1
Cyclohexanone	<36.0		360	36.0	ug/Kg	☼		06/14/13 14:45	1
1,2-Dibromo-3-Chloropropane	<1.19		18.0	1.19	ug/Kg	☼		06/14/13 14:45	1
Dibromomethane	<2.56		18.0	2.56	ug/Kg	☼		06/14/13 14:45	1
1,2-Dichlorobenzene	<0.901		18.0	0.901	ug/Kg	☼		06/14/13 14:45	1
1,3-Dichlorobenzene	<1.12		18.0	1.12	ug/Kg	☼		06/14/13 14:45	1
1,4-Dichlorobenzene	<1.15		18.0	1.15	ug/Kg	☼		06/14/13 14:45	1
Dichlorobromomethane	<0.685		18.0	0.685	ug/Kg	☼		06/14/13 14:45	1
Dichlorodifluoromethane	<2.63		18.0	2.63	ug/Kg	☼		06/14/13 14:45	1
1,1-Dichloroethane	<2.13		18.0	2.13	ug/Kg	☼		06/14/13 14:45	1
1,2-Dichloroethane	<1.87		18.0	1.87	ug/Kg	☼		06/14/13 14:45	1
1,1-Dichloroethene	<0.685		18.0	0.685	ug/Kg	☼		06/14/13 14:45	1
1,2-Dichloroethene, Total	<1.80		18.0	1.80	ug/Kg	☼		06/14/13 14:45	1
1,2-Dichloropropane	<0.541		18.0	0.541	ug/Kg	☼		06/14/13 14:45	1
1,3-Dichloropropane	<0.865		18.0	0.865	ug/Kg	☼		06/14/13 14:45	1
2,2-Dichloropropane	<3.03		18.0	3.03	ug/Kg	☼		06/14/13 14:45	1
1,1-Dichloropropene	<1.87		18.0	1.87	ug/Kg	☼		06/14/13 14:45	1
1,4-Dioxane	<68.5		360	68.5	ug/Kg	☼		06/14/13 14:45	1
EDB	<0.613		18.0	0.613	ug/Kg	☼		06/14/13 14:45	1
Ethyl acetate	<10.1		18.0	10.1	ug/Kg	☼		06/14/13 14:45	1
Ethylbenzene	<1.62		18.0	1.62	ug/Kg	☼		06/14/13 14:45	1
Ethylene oxide	<57.7		144	57.7	ug/Kg	☼		06/14/13 14:45	1
Ethyl ether	<0.613		18.0	0.613	ug/Kg	☼		06/14/13 14:45	1
Ethyl methacrylate	<1.84		18.0	1.84	ug/Kg	☼		06/14/13 14:45	1
Hexachlorobutadiene	<2.31		18.0	2.31	ug/Kg	☼		06/14/13 14:45	1
Hexane	<4.68		18.0	4.68	ug/Kg	☼		06/14/13 14:45	1
2-Hexanone	<5.41		36.0	5.41	ug/Kg	☼		06/14/13 14:45	1
Iodomethane	<2.88		18.0	2.88	ug/Kg	☼		06/14/13 14:45	1
Isobutyl alcohol	<245		360	245	ug/Kg	☼		06/14/13 14:45	1
Isooctane	<0.577		18.0	0.577	ug/Kg	☼		06/14/13 14:45	1
Isopropylbenzene	<0.505		18.0	0.505	ug/Kg	☼		06/14/13 14:45	1
4-Isopropyltoluene	<1.42		18.0	1.42	ug/Kg	☼		06/14/13 14:45	1
Methacrylonitrile	<8.65		180	8.65	ug/Kg	☼		06/14/13 14:45	1

TestAmerica Corpus Christi

Client Sample Results

Client: Edwards Aquifer Authority
Project/Site: Sludge Composite

TestAmerica Job ID: 560-40591-1

Client Sample ID: HSM 330

Lab Sample ID: 560-40591-2

Date Collected: 06/12/13 11:00

Matrix: Solid

Date Received: 06/13/13 08:35

Percent Solids: 78.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	<18.0		90.1	18.0	ug/Kg	☼		06/14/13 14:45	1
Methyl methacrylate	<3.96		18.0	3.96	ug/Kg	☼		06/14/13 14:45	1
4-Methyl-2-pentanone (MIBK)	<5.41		36.0	5.41	ug/Kg	☼		06/14/13 14:45	1
Methyl tert-butyl ether	<2.20		18.0	2.20	ug/Kg	☼		06/14/13 14:45	1
m-Xylene & p-Xylene	<1.80		36.0	1.80	ug/Kg	☼		06/14/13 14:45	1
Naphthalene	<4.32		36.0	4.32	ug/Kg	☼		06/14/13 14:45	1
n-Butylbenzene	<0.973		18.0	0.973	ug/Kg	☼		06/14/13 14:45	1
n-Heptane	<1.91		18.0	1.91	ug/Kg	☼		06/14/13 14:45	1
2-Nitropropane	<1.87		18.0	1.87	ug/Kg	☼		06/14/13 14:45	1
N-Propylbenzene	<0.757		18.0	0.757	ug/Kg	☼		06/14/13 14:45	1
1-Octene	<1.80		18.0	1.80	ug/Kg	☼		06/14/13 14:45	1
o-Xylene	<0.793		18.0	0.793	ug/Kg	☼		06/14/13 14:45	1
Pentachloroethane	<5.05		18.0	5.05	ug/Kg	☼		06/14/13 14:45	1
Propionitrile	<17.7		180	17.7	ug/Kg	☼		06/14/13 14:45	1
sec-Butylbenzene	<0.721		18.0	0.721	ug/Kg	☼		06/14/13 14:45	1
Styrene	<0.721		18.0	0.721	ug/Kg	☼		06/14/13 14:45	1
tert-Butylbenzene	<0.901		18.0	0.901	ug/Kg	☼		06/14/13 14:45	1
1,1,1,2-Tetrachloroethane	<0.973		18.0	0.973	ug/Kg	☼		06/14/13 14:45	1
1,1,2,2-Tetrachloroethane	<1.37		18.0	1.37	ug/Kg	☼		06/14/13 14:45	1
Tetrachloroethene	<2.67		18.0	2.67	ug/Kg	☼		06/14/13 14:45	1
Toluene	11.7 J		18.0	3.24	ug/Kg	☼		06/14/13 14:45	1
trans-1,4-Dichloro-2-butene	<3.17		18.0	3.17	ug/Kg	☼		06/14/13 14:45	1
trans-1,2-Dichloroethene	<1.80		18.0	1.80	ug/Kg	☼		06/14/13 14:45	1
trans-1,3-Dichloropropene	<1.87		18.0	1.87	ug/Kg	☼		06/14/13 14:45	1
1,2,3-Trichlorobenzene	<1.59		18.0	1.59	ug/Kg	☼		06/14/13 14:45	1
1,2,4-Trichlorobenzene	<3.50		18.0	3.50	ug/Kg	☼		06/14/13 14:45	1
1,3,5-Trichlorobenzene	<1.12		18.0	1.12	ug/Kg	☼		06/14/13 14:45	1
1,1,1-Trichloroethane	<2.52		18.0	2.52	ug/Kg	☼		06/14/13 14:45	1
1,1,2-Trichloroethane	<1.80		18.0	1.80	ug/Kg	☼		06/14/13 14:45	1
Trichloroethene	<1.01		18.0	1.01	ug/Kg	☼		06/14/13 14:45	1
Trichlorofluoromethane	<1.80		18.0	1.80	ug/Kg	☼		06/14/13 14:45	1
1,2,3-Trichloropropane	<2.74		18.0	2.74	ug/Kg	☼		06/14/13 14:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<2.41		18.0	2.41	ug/Kg	☼		06/14/13 14:45	1
1,2,4-Trimethylbenzene	1.54 J		18.0	1.37	ug/Kg	☼		06/14/13 14:45	1
1,3,5-Trimethylbenzene	<1.26		18.0	1.26	ug/Kg	☼		06/14/13 14:45	1
Vinyl acetate	<3.96		18.0	3.96	ug/Kg	☼		06/14/13 14:45	1
Vinyl chloride	<2.16		18.0	2.16	ug/Kg	☼		06/14/13 14:45	1
Xylenes, Total	<1.80		54.1	1.80	ug/Kg	☼		06/14/13 14:45	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼				06/14/13 14:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		61 - 136		06/14/13 14:45	1
Dibromofluoromethane (Surr)	98		50 - 136		06/14/13 14:45	1
1,2-Dichloroethane-d4 (Surr)	110		65 - 152		06/14/13 14:45	1
Toluene-d8 (Surr)	97		65 - 139		06/14/13 14:45	1

TestAmerica Corpus Christi

Client Sample Results

Client: Edwards Aquifer Authority
Project/Site: Sludge Composite

TestAmerica Job ID: 560-40591-1

Client Sample ID: HSM 330

Lab Sample ID: 560-40591-2

Date Collected: 06/12/13 11:00

Matrix: Solid

Date Received: 06/13/13 08:35

Percent Solids: 78.4

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	140	J	420	21.3	ug/Kg	☼	06/18/13 11:00	06/19/13 17:16	1
Acenaphthylene	40.4	J	420	21.3	ug/Kg	☼	06/18/13 11:00	06/19/13 17:16	1
Anthracene	499		420	21.3	ug/Kg	☼	06/18/13 11:00	06/19/13 17:16	1
Benzo[a]anthracene	4180		420	21.3	ug/Kg	☼	06/18/13 11:00	06/19/13 17:16	1
Benzo[a]pyrene	4140		420	21.3	ug/Kg	☼	06/18/13 11:00	06/19/13 17:16	1
Benzo[b]fluoranthene	7430		420	21.3	ug/Kg	☼	06/18/13 11:00	06/19/13 17:16	1
Benzo[g,h,i]perylene	2170		420	21.3	ug/Kg	☼	06/18/13 11:00	06/19/13 17:16	1
Benzo[k]fluoranthene	2830		420	21.3	ug/Kg	☼	06/18/13 11:00	06/19/13 17:16	1
Benzyl alcohol	<31.2		420	31.2	ug/Kg	☼	06/18/13 11:00	06/19/13 17:16	1
Bis(2-chloroethoxy)methane	<21.3		420	21.3	ug/Kg	☼	06/18/13 11:00	06/19/13 17:16	1
Bis(2-chloroethyl)ether	<47.6		420	47.6	ug/Kg	☼	06/18/13 11:00	06/19/13 17:16	1
Bis(2-ethylhexyl) phthalate	1670		420	21.3	ug/Kg	☼	06/18/13 11:00	06/19/13 17:16	1
4-Bromophenyl phenyl ether	<21.3		420	21.3	ug/Kg	☼	06/18/13 11:00	06/19/13 17:16	1
Butyl benzyl phthalate	<21.3		420	21.3	ug/Kg	☼	06/18/13 11:00	06/19/13 17:16	1
4-Chloroaniline	<59.3		420	59.3	ug/Kg	☼	06/18/13 11:00	06/19/13 17:16	1
4-Chloro-3-methylphenol	<21.3		420	21.3	ug/Kg	☼	06/18/13 11:00	06/19/13 17:16	1
2-Chloronaphthalene	<21.3		420	21.3	ug/Kg	☼	06/18/13 11:00	06/19/13 17:16	1
2-Chlorophenol	<35.4		420	35.4	ug/Kg	☼	06/18/13 11:00	06/19/13 17:16	1
4-Chlorophenyl phenyl ether	<21.3		420	21.3	ug/Kg	☼	06/18/13 11:00	06/19/13 17:16	1
Chrysene	5790		420	21.3	ug/Kg	☼	06/18/13 11:00	06/19/13 17:16	1
Dibenz(a,h)anthracene	628		420	21.3	ug/Kg	☼	06/18/13 11:00	06/19/13 17:16	1
Dibenzofuran	76.4	J	420	21.3	ug/Kg	☼	06/18/13 11:00	06/19/13 17:16	1
1,2-Dichlorobenzene	<66.3		420	66.3	ug/Kg	☼	06/18/13 11:00	06/19/13 17:16	1
1,3-Dichlorobenzene	<55.8		420	55.8	ug/Kg	☼	06/18/13 11:00	06/19/13 17:16	1
1,4-Dichlorobenzene	<58.3		420	58.3	ug/Kg	☼	06/18/13 11:00	06/19/13 17:16	1
3,3'-Dichlorobenzidine	<63.7		420	63.7	ug/Kg	☼	06/18/13 11:00	06/19/13 17:16	1
2,4-Dichlorophenol	<29.0		420	29.0	ug/Kg	☼	06/18/13 11:00	06/19/13 17:16	1
Diethyl phthalate	<21.3		420	21.3	ug/Kg	☼	06/18/13 11:00	06/19/13 17:16	1
2,4-Dimethylphenol	<26.0		420	26.0	ug/Kg	☼	06/18/13 11:00	06/19/13 17:16	1
Dimethyl phthalate	<21.3		420	21.3	ug/Kg	☼	06/18/13 11:00	06/19/13 17:16	1
Di-n-butyl phthalate	<21.3		420	21.3	ug/Kg	☼	06/18/13 11:00	06/19/13 17:16	1
4,6-Dinitro-2-methylphenol	<63.7		420	63.7	ug/Kg	☼	06/18/13 11:00	06/19/13 17:16	1
2,4-Dinitrophenol	<127		420	127	ug/Kg	☼	06/18/13 11:00	06/19/13 17:16	1
2,4-Dinitrotoluene	<26.9		420	26.9	ug/Kg	☼	06/18/13 11:00	06/19/13 17:16	1
2,6-Dinitrotoluene	<63.7		420	63.7	ug/Kg	☼	06/18/13 11:00	06/19/13 17:16	1
Di-n-octyl phthalate	<23.8		420	23.8	ug/Kg	☼	06/18/13 11:00	06/19/13 17:16	1
Fluoranthene	10000		2100	106	ug/Kg	☼	06/18/13 11:00	06/20/13 14:28	5
Fluorene	175	J	420	21.3	ug/Kg	☼	06/18/13 11:00	06/19/13 17:16	1
Hexachlorobenzene	<21.3		420	21.3	ug/Kg	☼	06/18/13 11:00	06/19/13 17:16	1
Hexachlorobutadiene	<56.9		420	56.9	ug/Kg	☼	06/18/13 11:00	06/19/13 17:16	1
Hexachlorocyclopentadiene	<127		420	127	ug/Kg	☼	06/18/13 11:00	06/19/13 17:16	1
Hexachloroethane	<63.8		420	63.8	ug/Kg	☼	06/18/13 11:00	06/19/13 17:16	1
Indeno[1,2,3-cd]pyrene	2180		420	21.3	ug/Kg	☼	06/18/13 11:00	06/19/13 17:16	1
Isophorone	<21.3		420	21.3	ug/Kg	☼	06/18/13 11:00	06/19/13 17:16	1
2-Methylnaphthalene	<39.6		420	39.6	ug/Kg	☼	06/18/13 11:00	06/19/13 17:16	1
2-Methylphenol	<42.0		420	42.0	ug/Kg	☼	06/18/13 11:00	06/19/13 17:16	1
3 & 4 Methylphenol	<63.7		853	63.7	ug/Kg	☼	06/18/13 11:00	06/19/13 17:16	1
Naphthalene	<53.1		420	53.1	ug/Kg	☼	06/18/13 11:00	06/19/13 17:16	1
2-Nitroaniline	<28.3		420	28.3	ug/Kg	☼	06/18/13 11:00	06/19/13 17:16	1

TestAmerica Corpus Christi

Client Sample Results

Client: Edwards Aquifer Authority
Project/Site: Sludge Composite

TestAmerica Job ID: 560-40591-1

Client Sample ID: HSM 330

Lab Sample ID: 560-40591-2

Date Collected: 06/12/13 11:00

Matrix: Solid

Date Received: 06/13/13 08:35

Percent Solids: 78.4

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	<63.7		420	63.7	ug/Kg	☼	06/18/13 11:00	06/19/13 17:16	1
4-Nitroaniline	<35.8		420	35.8	ug/Kg	☼	06/18/13 11:00	06/19/13 17:16	1
Nitrobenzene	<46.3		420	46.3	ug/Kg	☼	06/18/13 11:00	06/19/13 17:16	1
2-Nitrophenol	<21.6		420	21.6	ug/Kg	☼	06/18/13 11:00	06/19/13 17:16	1
4-Nitrophenol	<38.8		420	38.8	ug/Kg	☼	06/18/13 11:00	06/19/13 17:16	1
N-Nitrosodi-n-propylamine	<21.3		420	21.3	ug/Kg	☼	06/18/13 11:00	06/19/13 17:16	1
N-Nitrosodiphenylamine	<21.3		420	21.3	ug/Kg	☼	06/18/13 11:00	06/19/13 17:16	1
Pentachlorophenol	<127		420	127	ug/Kg	☼	06/18/13 11:00	06/19/13 17:16	1
Phenanthrene	4110		420	21.3	ug/Kg	☼	06/18/13 11:00	06/19/13 17:16	1
Phenol	<21.3		420	21.3	ug/Kg	☼	06/18/13 11:00	06/19/13 17:16	1
Pyrene	7830		2100	106	ug/Kg	☼	06/18/13 11:00	06/20/13 14:28	5
1,2,4-Trichlorobenzene	<58.2		420	58.2	ug/Kg	☼	06/18/13 11:00	06/19/13 17:16	1
2,4,5-Trichlorophenol	<21.3		420	21.3	ug/Kg	☼	06/18/13 11:00	06/19/13 17:16	1
2,4,6-Trichlorophenol	<21.3		420	21.3	ug/Kg	☼	06/18/13 11:00	06/19/13 17:16	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
2-Pentanone, 4-hydroxy-4-methyl-	43900	T J N	ug/Kg	☼	4.34	123-42-2	06/18/13 11:00	06/20/13 14:28	5
Imidazole, 4,5-dicyano-1-methyl-	4800	T J N	ug/Kg	☼	5.81	1000126-49-9	06/18/13 11:00	06/20/13 14:28	5
Benzene-1,2,3,4-d4-, 5,6-dichloro-	3220	T J N	ug/Kg	☼	6.28	2199-69-1	06/18/13 11:00	06/20/13 14:28	5
n-Hexadecanoic acid	2070	T J N	ug/Kg	☼	13.68	57-10-3	06/18/13 11:00	06/19/13 17:16	1
4H-Cyclopenta[def]phenanthrene	885	T J N	ug/Kg	☼	13.85	203-64-5	06/18/13 11:00	06/19/13 17:16	1
9,10-Anthracenedione	1100	T J N	ug/Kg	☼	14.10	84-65-1	06/18/13 11:00	06/19/13 17:16	1
Benzo[e]pyrene	3680	T J N	ug/Kg	☼	17.82	192-97-2	06/18/13 11:00	06/20/13 14:28	5
Perylene	3510	T J N	ug/Kg	☼	17.84	198-55-0	06/18/13 11:00	06/19/13 17:16	1
Benzo[j]fluoranthene	1380	T J N	ug/Kg	☼	18.05	205-82-3	06/18/13 11:00	06/19/13 17:16	1
Vitamin e	1300	T J N	ug/Kg	☼	18.96	10191-41-0	06/18/13 11:00	06/19/13 17:16	1
.gamma.-Sitosterol	2010	T J N	ug/Kg	☼	20.74	83-47-6	06/18/13 11:00	06/20/13 14:28	5
.gamma.-Sitosterol	1490	T J N	ug/Kg	☼	20.77	83-47-6	06/18/13 11:00	06/19/13 17:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	86		57 - 130	06/18/13 11:00	06/19/13 17:16	1
2-Fluorophenol	92		48 - 130	06/18/13 11:00	06/19/13 17:16	1
Nitrobenzene-d5	86		48 - 130	06/18/13 11:00	06/19/13 17:16	1
Phenol-d5	94		56 - 130	06/18/13 11:00	06/19/13 17:16	1
Terphenyl-d14	69		58 - 130	06/18/13 11:00	06/19/13 17:16	1
2,4,6-Tribromophenol	95		30 - 131	06/18/13 11:00	06/19/13 17:16	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
delta-BHC	<0.117		2.11	0.117	ug/Kg	☼	06/17/13 10:11	06/27/13 18:19	1
4,4'-DDD	<0.111		4.10	0.111	ug/Kg	☼	06/17/13 10:11	06/27/13 18:19	1
4,4'-DDE	<0.106		4.10	0.106	ug/Kg	☼	06/17/13 10:11	06/27/13 18:19	1
4,4'-DDT	<0.161		4.10	0.161	ug/Kg	☼	06/17/13 10:11	06/27/13 18:19	1
Aldrin	0.397	J p	2.11	0.0596	ug/Kg	☼	06/17/13 10:11	06/27/13 18:19	1
alpha-BHC	<0.348		2.11	0.348	ug/Kg	☼	06/17/13 10:11	06/27/13 18:19	1
alpha-Chlordane	0.354	J	2.11	0.0708	ug/Kg	☼	06/17/13 10:11	06/27/13 18:19	1
beta-BHC	<0.0882		2.11	0.0882	ug/Kg	☼	06/17/13 10:11	06/27/13 18:19	1
Dieldrin	2.04	J	4.10	0.0422	ug/Kg	☼	06/17/13 10:11	06/27/13 18:19	1
Endosulfan I	<0.0435		2.11	0.0435	ug/Kg	☼	06/17/13 10:11	06/27/13 18:19	1

TestAmerica Corpus Christi

Client Sample Results

Client: Edwards Aquifer Authority
Project/Site: Sludge Composite

TestAmerica Job ID: 560-40591-1

Client Sample ID: HSM 330

Lab Sample ID: 560-40591-2

Date Collected: 06/12/13 11:00

Matrix: Solid

Date Received: 06/13/13 08:35

Percent Solids: 78.4

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan II	<0.106		4.10	0.106	ug/Kg	☼	06/17/13 10:11	06/27/13 18:19	1
Endosulfan sulfate	<0.199		4.10	0.199	ug/Kg	☼	06/17/13 10:11	06/27/13 18:19	1
Endrin	<0.112		4.10	0.112	ug/Kg	☼	06/17/13 10:11	06/27/13 18:19	1
Endrin aldehyde	<0.149		4.10	0.149	ug/Kg	☼	06/17/13 10:11	06/27/13 18:19	1
Endrin ketone	<0.149		4.10	0.149	ug/Kg	☼	06/17/13 10:11	06/27/13 18:19	1
gamma-BHC (Lindane)	<0.0484		2.11	0.0484	ug/Kg	☼	06/17/13 10:11	06/27/13 18:19	1
gamma-Chlordane	<0.104		2.11	0.104	ug/Kg	☼	06/17/13 10:11	06/27/13 18:19	1
Heptachlor	<0.149		2.11	0.149	ug/Kg	☼	06/17/13 10:11	06/27/13 18:19	1
Heptachlor epoxide	<0.0708		2.11	0.0708	ug/Kg	☼	06/17/13 10:11	06/27/13 18:19	1
Methoxychlor	<0.102		21.1	0.102	ug/Kg	☼	06/17/13 10:11	06/27/13 18:19	1
Toxaphene	<8.32		21.1	8.32	ug/Kg	☼	06/17/13 10:11	06/27/13 18:19	1
Chlordane (technical)	<3.10		21.1	3.10	ug/Kg	☼	06/17/13 10:11	06/27/13 18:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	5	p X	30 - 138	06/17/13 10:11	06/27/13 18:19	1
Tetrachloro-m-xylene	19	X	30 - 130	06/17/13 10:11	06/27/13 18:19	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	<0.0324		0.210	0.0324	mg/Kg	☼	06/14/13 14:35	06/18/13 18:34	5
Aroclor 1221	<0.0324		0.210	0.0324	mg/Kg	☼	06/14/13 14:35	06/18/13 18:34	5
Aroclor 1232	<0.0324		0.210	0.0324	mg/Kg	☼	06/14/13 14:35	06/18/13 18:34	5
Aroclor 1242	<0.0324		0.210	0.0324	mg/Kg	☼	06/14/13 14:35	06/18/13 18:34	5
Aroclor 1248	<0.0324		0.210	0.0324	mg/Kg	☼	06/14/13 14:35	06/18/13 18:34	5
Aroclor 1254	0.125	J	0.210	0.0324	mg/Kg	☼	06/14/13 14:35	06/18/13 18:34	5
Aroclor 1260	0.0965	J	0.210	0.0324	mg/Kg	☼	06/14/13 14:35	06/18/13 18:34	5
Aroclor 1262	<0.0324		0.210	0.0324	mg/Kg	☼	06/14/13 14:35	06/18/13 18:34	5
Aroclor 1268	<0.0324		0.210	0.0324	mg/Kg	☼	06/14/13 14:35	06/18/13 18:34	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	95		57 - 138	06/14/13 14:35	06/18/13 18:34	5
Tetrachloro-m-xylene	94		32 - 132	06/14/13 14:35	06/18/13 18:34	5

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Azinphos-methyl	<18.6		82.0	18.6	ug/Kg	☼	06/17/13 10:11	06/27/13 01:28	1
Bolstar	<5.84		41.0	5.84	ug/Kg	☼	06/17/13 10:11	06/27/13 01:28	1
Chlorpyrifos	<8.44		41.0	8.44	ug/Kg	☼	06/17/13 10:11	06/27/13 01:28	1
Coumaphos	<27.3		41.0	27.3	ug/Kg	☼	06/17/13 10:11	06/27/13 01:28	1
Demeton-O	<3.23		103	3.23	ug/Kg	☼	06/17/13 10:11	06/27/13 01:28	1
Demeton-S	<6.95		103	6.95	ug/Kg	☼	06/17/13 10:11	06/27/13 01:28	1
Diazinon	<7.08		41.0	7.08	ug/Kg	☼	06/17/13 10:11	06/27/13 01:28	1
Dichlorvos	<7.95		82.0	7.95	ug/Kg	☼	06/17/13 10:11	06/27/13 01:28	1
Dimethoate	<10.9		82.0	10.9	ug/Kg	☼	06/17/13 10:11	06/27/13 01:28	1
Disulfoton	<19.9		82.0	19.9	ug/Kg	☼	06/17/13 10:11	06/27/13 01:28	1
EPN	<5.59		41.0	5.59	ug/Kg	☼	06/17/13 10:11	06/27/13 01:28	1
Famphur	<10.3		82.0	10.3	ug/Kg	☼	06/17/13 10:11	06/27/13 01:28	1
Fensulfothion	<14.9		41.0	14.9	ug/Kg	☼	06/17/13 10:11	06/27/13 01:28	1
Fenthion	<5.84		41.0	5.84	ug/Kg	☼	06/17/13 10:11	06/27/13 01:28	1
Malathion	<10.2		41.0	10.2	ug/Kg	☼	06/17/13 10:11	06/27/13 01:28	1

TestAmerica Corpus Christi

Client Sample Results

Client: Edwards Aquifer Authority
Project/Site: Sludge Composite

TestAmerica Job ID: 560-40591-1

Client Sample ID: HSM 330

Lab Sample ID: 560-40591-2

Date Collected: 06/12/13 11:00

Matrix: Solid

Date Received: 06/13/13 08:35

Percent Solids: 78.4

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Merphos	<13.7		41.0	13.7	ug/Kg	☼	06/17/13 10:11	06/27/13 01:28	1
Methyl parathion	<6.71		21.1	6.71	ug/Kg	☼	06/17/13 10:11	06/27/13 01:28	1
Mevinphos	<5.71		82.0	5.71	ug/Kg	☼	06/17/13 10:11	06/27/13 01:28	1
Ethoprop	<5.22		21.1	5.22	ug/Kg	☼	06/17/13 10:11	06/27/13 01:28	1
Monochrotophos	<57.1		410	57.1	ug/Kg	☼	06/17/13 10:11	06/27/13 01:28	1
Naled	<27.3		410	27.3	ug/Kg	☼	06/17/13 10:11	06/27/13 01:28	1
Ethyl Parathion	<6.83		41.0	6.83	ug/Kg	☼	06/17/13 10:11	06/27/13 01:28	1
Phorate	<6.71		41.0	6.71	ug/Kg	☼	06/17/13 10:11	06/27/13 01:28	1
Ronnel	<5.22		41.0	5.22	ug/Kg	☼	06/17/13 10:11	06/27/13 01:28	1
Stirophos	<7.95		41.0	7.95	ug/Kg	☼	06/17/13 10:11	06/27/13 01:28	1
Sulfotepp	<10.7		21.1	10.7	ug/Kg	☼	06/17/13 10:11	06/27/13 01:28	1
Thionazin	<12.4		41.0	12.4	ug/Kg	☼	06/17/13 10:11	06/27/13 01:28	1
Tokuthion	<6.71		41.0	6.71	ug/Kg	☼	06/17/13 10:11	06/27/13 01:28	1
Trichloronate	<9.44		410	9.44	ug/Kg	☼	06/17/13 10:11	06/27/13 01:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Triphenylphosphate	22	X	35 - 134	06/17/13 10:11	06/27/13 01:28	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<6.36		10.6	6.36	ug/Kg	☼	06/18/13 08:26	06/20/13 00:32	1
Dalapon	<3.69		420	3.69	ug/Kg	☼	06/18/13 08:26	06/20/13 00:32	1
2,4-DB	<3.81		10.6	3.81	ug/Kg	☼	06/18/13 08:26	06/20/13 00:32	1
Dicamba	<2.42		10.6	2.42	ug/Kg	☼	06/18/13 08:26	06/20/13 00:32	1
Dichlorprop	<1.40		10.6	1.40	ug/Kg	☼	06/18/13 08:26	06/20/13 00:32	1
Dinoseb	<5.85		127	5.85	ug/Kg	☼	06/18/13 08:26	06/20/13 00:32	1
MCPA	<242		2540	242	ug/Kg	☼	06/18/13 08:26	06/20/13 00:32	1
Mecoprop	<216		2540	216	ug/Kg	☼	06/18/13 08:26	06/20/13 00:32	1
Pentachlorophenol	<0.534		10.6	0.534	ug/Kg	☼	06/18/13 08:26	06/20/13 00:32	1
Silvex (2,4,5-TP)	<2.03		10.6	2.03	ug/Kg	☼	06/18/13 08:26	06/20/13 00:32	1
2,4,5-T	<2.92		10.6	2.92	ug/Kg	☼	06/18/13 08:26	06/20/13 00:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCAA	76	p	35 - 137	06/18/13 08:26	06/20/13 00:32	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silicon	174		14.9	4.71	mg/Kg	☼	06/27/13 11:40	06/28/13 18:32	1

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	1060		2.88	1.38	mg/Kg	☼	06/26/13 09:20	06/26/13 18:11	1
Calcium	528000		576	318	mg/Kg	☼	06/26/13 09:20	06/27/13 16:03	20
Antimony	<0.111		0.288	0.111	mg/Kg	☼	06/26/13 09:20	06/27/13 14:41	1
Potassium	223		57.6	28.2	mg/Kg	☼	06/26/13 09:20	06/26/13 18:11	1
Arsenic	3.37		0.288	0.0575	mg/Kg	☼	06/26/13 09:20	06/26/13 18:11	1
Magnesium	1880		28.8	6.30	mg/Kg	☼	06/26/13 09:20	06/26/13 18:11	1
Barium	17.1		0.288	0.126	mg/Kg	☼	06/26/13 09:20	06/26/13 18:11	1
Sodium	107		57.6	32.4	mg/Kg	☼	06/26/13 09:20	06/26/13 18:11	1
Beryllium	0.149	J	0.288	0.101	mg/Kg	☼	06/26/13 09:20	06/26/13 18:11	1
Strontium	144		0.288	0.0703	mg/Kg	☼	06/26/13 09:20	06/26/13 18:11	1

TestAmerica Corpus Christi

Client Sample Results

Client: Edwards Aquifer Authority
Project/Site: Sludge Composite

TestAmerica Job ID: 560-40591-1

Client Sample ID: HSM 330

Date Collected: 06/12/13 11:00

Date Received: 06/13/13 08:35

Lab Sample ID: 560-40591-2

Matrix: Solid

Percent Solids: 78.4

Method: 6020 - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.160	J	0.288	0.0830	mg/Kg	☼	06/26/13 09:20	06/26/13 18:11	1
Chromium	10.1		0.288	0.129	mg/Kg	☼	06/26/13 09:20	06/26/13 18:11	1
Copper	5.91		0.576	0.204	mg/Kg	☼	06/26/13 09:20	06/26/13 18:11	1
Iron	4190		28.8	6.37	mg/Kg	☼	06/26/13 09:20	06/26/13 18:11	1
Lead	26.9		0.576	0.236	mg/Kg	☼	06/26/13 09:20	06/26/13 18:11	1
Manganese	143		2.88	0.694	mg/Kg	☼	06/26/13 09:20	06/26/13 18:11	1
Nickel	4.98		0.288	0.153	mg/Kg	☼	06/26/13 09:20	06/26/13 18:11	1
Selenium	0.321		0.288	0.0501	mg/Kg	☼	06/26/13 09:20	06/26/13 18:11	1
Silver	<0.0790		0.288	0.0790	mg/Kg	☼	06/26/13 09:20	06/26/13 18:11	1
Thallium	<0.0793		0.288	0.0793	mg/Kg	☼	06/26/13 09:20	06/26/13 18:11	1
Zinc	33.2		1.44	0.884	mg/Kg	☼	06/26/13 09:20	06/26/13 18:11	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0644	J	0.143	0.0129	mg/Kg	☼	06/19/13 10:00	06/19/13 15:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phosphorus	540		24.6	13.5	mg/Kg	☼	06/21/13 16:30	06/24/13 20:17	1
Total Organic Carbon	17300		1910	344	mg/Kg	☼		06/25/13 13:20	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.53		0.100	0.100	SU			06/19/13 15:15	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.7	J	63.8	6.70	mg/Kg	☼		07/02/13 20:51	5
Nitrate as N	12.8	J	31.9	3.55	mg/Kg	☼		07/02/13 20:51	5
Sulfate	735	B	63.8	55.2	mg/Kg	☼		07/02/13 20:51	5
Bromide	<3.93		63.8	3.93	mg/Kg	☼		07/02/13 20:51	5
Fluoride	1.63		1.28	0.255	mg/Kg	☼		06/24/13 11:30	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3	848		159	159	mg/Kg	☼		06/21/13 15:00	1
Bicarbonate Alkalinity as CaCO3	848		159	159	mg/Kg	☼		06/21/13 15:00	1
Carbonate Alkalinity as CaCO3	<159		159	159	mg/Kg	☼		06/21/13 15:00	1

Client Sample ID: HSM 340

Date Collected: 06/12/13 13:15

Date Received: 06/13/13 08:35

Lab Sample ID: 560-40591-3

Matrix: Solid

Percent Solids: 75.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	62.9	J	185	26.7	ug/Kg	☼		06/14/13 15:10	1
Acetonitrile	<137		185	137	ug/Kg	☼		06/14/13 15:10	1
Benzene	<0.853		18.5	0.853	ug/Kg	☼		06/14/13 15:10	1
Benzyl chloride	<1.85		18.5	1.85	ug/Kg	☼		06/14/13 15:10	1
Bromobenzene	<2.74		18.5	2.74	ug/Kg	☼		06/14/13 15:10	1
Bromochloromethane	<3.34		18.5	3.34	ug/Kg	☼		06/14/13 15:10	1
Bromoform	<1.89		18.5	1.89	ug/Kg	☼		06/14/13 15:10	1
Bromomethane	<4.08		18.5	4.08	ug/Kg	☼		06/14/13 15:10	1
1,3-Butadiene	<0.890		18.5	0.890	ug/Kg	☼		06/14/13 15:10	1

TestAmerica Corpus Christi

Client Sample Results

Client: Edwards Aquifer Authority
Project/Site: Sludge Composite

TestAmerica Job ID: 560-40591-1

Client Sample ID: HSM 340

Lab Sample ID: 560-40591-3

Date Collected: 06/12/13 13:15

Matrix: Solid

Date Received: 06/13/13 08:35

Percent Solids: 75.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	<7.05		37.1	7.05	ug/Kg	☼		06/14/13 15:10	1
Carbon disulfide	<3.71		18.5	3.71	ug/Kg	☼		06/14/13 15:10	1
Carbon tetrachloride	<1.89		18.5	1.89	ug/Kg	☼		06/14/13 15:10	1
Chlorobenzene	<0.853		18.5	0.853	ug/Kg	☼		06/14/13 15:10	1
2-Chloro-1,3-butadiene	<2.56		18.5	2.56	ug/Kg	☼		06/14/13 15:10	1
Chlorodibromomethane	<2.37		18.5	2.37	ug/Kg	☼		06/14/13 15:10	1
Chloroethane	<0.964		18.5	0.964	ug/Kg	☼		06/14/13 15:10	1
Chloroform	<3.23		18.5	3.23	ug/Kg	☼		06/14/13 15:10	1
1-Chlorohexane	<2.04		18.5	2.04	ug/Kg	☼		06/14/13 15:10	1
Chloromethane	<4.45		18.5	4.45	ug/Kg	☼		06/14/13 15:10	1
3-Chloro-1-propene	<3.63		18.5	3.63	ug/Kg	☼		06/14/13 15:10	1
2-Chlorotoluene	<0.816		18.5	0.816	ug/Kg	☼		06/14/13 15:10	1
4-Chlorotoluene	<2.56		18.5	2.56	ug/Kg	☼		06/14/13 15:10	1
cis-1,4-Dichloro-2-butene	<1.19		18.5	1.19	ug/Kg	☼		06/14/13 15:10	1
cis-1,2-Dichloroethene	<2.11		18.5	2.11	ug/Kg	☼		06/14/13 15:10	1
cis-1,3-Dichloropropene	<0.523		18.5	0.523	ug/Kg	☼		06/14/13 15:10	1
Cyclohexane	<3.67		37.1	3.67	ug/Kg	☼		06/14/13 15:10	1
Cyclohexanone	<37.1		371	37.1	ug/Kg	☼		06/14/13 15:10	1
1,2-Dibromo-3-Chloropropane	<1.22		18.5	1.22	ug/Kg	☼		06/14/13 15:10	1
Dibromomethane	<2.63		18.5	2.63	ug/Kg	☼		06/14/13 15:10	1
1,2-Dichlorobenzene	<0.927		18.5	0.927	ug/Kg	☼		06/14/13 15:10	1
1,3-Dichlorobenzene	<1.15		18.5	1.15	ug/Kg	☼		06/14/13 15:10	1
1,4-Dichlorobenzene	<1.19		18.5	1.19	ug/Kg	☼		06/14/13 15:10	1
Dichlorobromomethane	<0.705		18.5	0.705	ug/Kg	☼		06/14/13 15:10	1
Dichlorodifluoromethane	<2.71		18.5	2.71	ug/Kg	☼		06/14/13 15:10	1
1,1-Dichloroethane	<2.19		18.5	2.19	ug/Kg	☼		06/14/13 15:10	1
1,2-Dichloroethane	<1.93		18.5	1.93	ug/Kg	☼		06/14/13 15:10	1
1,1-Dichloroethene	<0.705		18.5	0.705	ug/Kg	☼		06/14/13 15:10	1
1,2-Dichloroethene, Total	<1.85		18.5	1.85	ug/Kg	☼		06/14/13 15:10	1
1,2-Dichloropropane	<0.556		18.5	0.556	ug/Kg	☼		06/14/13 15:10	1
1,3-Dichloropropane	<0.890		18.5	0.890	ug/Kg	☼		06/14/13 15:10	1
2,2-Dichloropropane	<3.12		18.5	3.12	ug/Kg	☼		06/14/13 15:10	1
1,1-Dichloropropene	<1.93		18.5	1.93	ug/Kg	☼		06/14/13 15:10	1
1,4-Dioxane	<70.5		371	70.5	ug/Kg	☼		06/14/13 15:10	1
EDB	<0.631		18.5	0.631	ug/Kg	☼		06/14/13 15:10	1
Ethyl acetate	<10.4		18.5	10.4	ug/Kg	☼		06/14/13 15:10	1
Ethylbenzene	<1.67		18.5	1.67	ug/Kg	☼		06/14/13 15:10	1
Ethylene oxide	<59.3		148	59.3	ug/Kg	☼		06/14/13 15:10	1
Ethyl ether	<0.631		18.5	0.631	ug/Kg	☼		06/14/13 15:10	1
Ethyl methacrylate	<1.89		18.5	1.89	ug/Kg	☼		06/14/13 15:10	1
Hexachlorobutadiene	<2.37		18.5	2.37	ug/Kg	☼		06/14/13 15:10	1
Hexane	<4.82		18.5	4.82	ug/Kg	☼		06/14/13 15:10	1
2-Hexanone	<5.56		37.1	5.56	ug/Kg	☼		06/14/13 15:10	1
Iodomethane	<2.97		18.5	2.97	ug/Kg	☼		06/14/13 15:10	1
Isobutyl alcohol	<252		371	252	ug/Kg	☼		06/14/13 15:10	1
Isooctane	<0.593		18.5	0.593	ug/Kg	☼		06/14/13 15:10	1
Isopropylbenzene	<0.519		18.5	0.519	ug/Kg	☼		06/14/13 15:10	1
4-Isopropyltoluene	10.6 J		18.5	1.47	ug/Kg	☼		06/14/13 15:10	1
Methacrylonitrile	<8.90		185	8.90	ug/Kg	☼		06/14/13 15:10	1

TestAmerica Corpus Christi

Client Sample Results

Client: Edwards Aquifer Authority
Project/Site: Sludge Composite

TestAmerica Job ID: 560-40591-1

Client Sample ID: HSM 340

Lab Sample ID: 560-40591-3

Date Collected: 06/12/13 13:15

Matrix: Solid

Date Received: 06/13/13 08:35

Percent Solids: 75.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	<18.5		92.7	18.5	ug/Kg	☼		06/14/13 15:10	1
Methyl methacrylate	<4.08		18.5	4.08	ug/Kg	☼		06/14/13 15:10	1
4-Methyl-2-pentanone (MIBK)	<5.56		37.1	5.56	ug/Kg	☼		06/14/13 15:10	1
Methyl tert-butyl ether	<2.26		18.5	2.26	ug/Kg	☼		06/14/13 15:10	1
m-Xylene & p-Xylene	<1.85		37.1	1.85	ug/Kg	☼		06/14/13 15:10	1
Naphthalene	<4.45		37.1	4.45	ug/Kg	☼		06/14/13 15:10	1
n-Butylbenzene	<1.00		18.5	1.00	ug/Kg	☼		06/14/13 15:10	1
n-Heptane	<1.97		18.5	1.97	ug/Kg	☼		06/14/13 15:10	1
2-Nitropropane	<1.93		18.5	1.93	ug/Kg	☼		06/14/13 15:10	1
N-Propylbenzene	<0.779		18.5	0.779	ug/Kg	☼		06/14/13 15:10	1
1-Octene	<1.85		18.5	1.85	ug/Kg	☼		06/14/13 15:10	1
o-Xylene	<0.816		18.5	0.816	ug/Kg	☼		06/14/13 15:10	1
Pentachloroethane	<5.19		18.5	5.19	ug/Kg	☼		06/14/13 15:10	1
Propionitrile	<18.2		185	18.2	ug/Kg	☼		06/14/13 15:10	1
sec-Butylbenzene	<0.742		18.5	0.742	ug/Kg	☼		06/14/13 15:10	1
Styrene	<0.742		18.5	0.742	ug/Kg	☼		06/14/13 15:10	1
tert-Butylbenzene	<0.927		18.5	0.927	ug/Kg	☼		06/14/13 15:10	1
1,1,1,2-Tetrachloroethane	<1.00		18.5	1.00	ug/Kg	☼		06/14/13 15:10	1
1,1,2,2-Tetrachloroethane	<1.41		18.5	1.41	ug/Kg	☼		06/14/13 15:10	1
Tetrachloroethene	<2.74		18.5	2.74	ug/Kg	☼		06/14/13 15:10	1
Toluene	3.51 J		18.5	3.34	ug/Kg	☼		06/14/13 15:10	1
trans-1,4-Dichloro-2-butene	<3.26		18.5	3.26	ug/Kg	☼		06/14/13 15:10	1
trans-1,2-Dichloroethene	<1.85		18.5	1.85	ug/Kg	☼		06/14/13 15:10	1
trans-1,3-Dichloropropene	<1.93		18.5	1.93	ug/Kg	☼		06/14/13 15:10	1
1,2,3-Trichlorobenzene	<1.63		18.5	1.63	ug/Kg	☼		06/14/13 15:10	1
1,2,4-Trichlorobenzene	<3.60		18.5	3.60	ug/Kg	☼		06/14/13 15:10	1
1,3,5-Trichlorobenzene	<1.15		18.5	1.15	ug/Kg	☼		06/14/13 15:10	1
1,1,1-Trichloroethane	<2.60		18.5	2.60	ug/Kg	☼		06/14/13 15:10	1
1,1,2-Trichloroethane	<1.85		18.5	1.85	ug/Kg	☼		06/14/13 15:10	1
Trichloroethene	<1.04		18.5	1.04	ug/Kg	☼		06/14/13 15:10	1
Trichlorofluoromethane	<1.85		18.5	1.85	ug/Kg	☼		06/14/13 15:10	1
1,2,3-Trichloropropane	<2.82		18.5	2.82	ug/Kg	☼		06/14/13 15:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<2.49		18.5	2.49	ug/Kg	☼		06/14/13 15:10	1
1,2,4-Trimethylbenzene	<1.41		18.5	1.41	ug/Kg	☼		06/14/13 15:10	1
1,3,5-Trimethylbenzene	<1.30		18.5	1.30	ug/Kg	☼		06/14/13 15:10	1
Vinyl acetate	<4.08		18.5	4.08	ug/Kg	☼		06/14/13 15:10	1
Vinyl chloride	<2.23		18.5	2.23	ug/Kg	☼		06/14/13 15:10	1
Xylenes, Total	<1.85		55.6	1.85	ug/Kg	☼		06/14/13 15:10	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼				06/14/13 15:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		61 - 136		06/14/13 15:10	1
Dibromofluoromethane (Surr)	100		50 - 136		06/14/13 15:10	1
1,2-Dichloroethane-d4 (Surr)	113		65 - 152		06/14/13 15:10	1
Toluene-d8 (Surr)	99		65 - 139		06/14/13 15:10	1

TestAmerica Corpus Christi

Client Sample Results

Client: Edwards Aquifer Authority
Project/Site: Sludge Composite

TestAmerica Job ID: 560-40591-1

Client Sample ID: HSM 340

Lab Sample ID: 560-40591-3

Date Collected: 06/12/13 13:15

Matrix: Solid

Date Received: 06/13/13 08:35

Percent Solids: 75.3

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	169	J	437	22.1	ug/Kg	☼	06/18/13 11:00	06/19/13 17:43	1
Acenaphthylene	68.9	J	437	22.1	ug/Kg	☼	06/18/13 11:00	06/19/13 17:43	1
Anthracene	644		437	22.1	ug/Kg	☼	06/18/13 11:00	06/19/13 17:43	1
Benzo[a]anthracene	4700		437	22.1	ug/Kg	☼	06/18/13 11:00	06/19/13 17:43	1
Benzo[a]pyrene	4630		437	22.1	ug/Kg	☼	06/18/13 11:00	06/19/13 17:43	1
Benzo[b]fluoranthene	8450		437	22.1	ug/Kg	☼	06/18/13 11:00	06/19/13 17:43	1
Benzo[g,h,i]perylene	2340		437	22.1	ug/Kg	☼	06/18/13 11:00	06/19/13 17:43	1
Benzo[k]fluoranthene	2780		437	22.1	ug/Kg	☼	06/18/13 11:00	06/19/13 17:43	1
Benzyl alcohol	<32.4		437	32.4	ug/Kg	☼	06/18/13 11:00	06/19/13 17:43	1
Bis(2-chloroethoxy)methane	<22.1		437	22.1	ug/Kg	☼	06/18/13 11:00	06/19/13 17:43	1
Bis(2-chloroethyl)ether	<49.5		437	49.5	ug/Kg	☼	06/18/13 11:00	06/19/13 17:43	1
Bis(2-ethylhexyl) phthalate	1120		437	22.1	ug/Kg	☼	06/18/13 11:00	06/19/13 17:43	1
4-Bromophenyl phenyl ether	<22.1		437	22.1	ug/Kg	☼	06/18/13 11:00	06/19/13 17:43	1
Butyl benzyl phthalate	<22.1		437	22.1	ug/Kg	☼	06/18/13 11:00	06/19/13 17:43	1
4-Chloroaniline	<61.7		437	61.7	ug/Kg	☼	06/18/13 11:00	06/19/13 17:43	1
4-Chloro-3-methylphenol	<22.1		437	22.1	ug/Kg	☼	06/18/13 11:00	06/19/13 17:43	1
2-Chloronaphthalene	<22.1		437	22.1	ug/Kg	☼	06/18/13 11:00	06/19/13 17:43	1
2-Chlorophenol	<36.8		437	36.8	ug/Kg	☼	06/18/13 11:00	06/19/13 17:43	1
4-Chlorophenyl phenyl ether	<22.1		437	22.1	ug/Kg	☼	06/18/13 11:00	06/19/13 17:43	1
Chrysene	6500		437	22.1	ug/Kg	☼	06/18/13 11:00	06/19/13 17:43	1
Dibenz[a,h]anthracene	630		437	22.1	ug/Kg	☼	06/18/13 11:00	06/19/13 17:43	1
Dibenzofuran	92.4	J	437	22.1	ug/Kg	☼	06/18/13 11:00	06/19/13 17:43	1
1,2-Dichlorobenzene	<68.9		437	68.9	ug/Kg	☼	06/18/13 11:00	06/19/13 17:43	1
1,3-Dichlorobenzene	<58.0		437	58.0	ug/Kg	☼	06/18/13 11:00	06/19/13 17:43	1
1,4-Dichlorobenzene	<60.6		437	60.6	ug/Kg	☼	06/18/13 11:00	06/19/13 17:43	1
3,3'-Dichlorobenzidine	<66.2		437	66.2	ug/Kg	☼	06/18/13 11:00	06/19/13 17:43	1
2,4-Dichlorophenol	<30.2		437	30.2	ug/Kg	☼	06/18/13 11:00	06/19/13 17:43	1
Diethyl phthalate	<22.1		437	22.1	ug/Kg	☼	06/18/13 11:00	06/19/13 17:43	1
2,4-Dimethylphenol	<27.0		437	27.0	ug/Kg	☼	06/18/13 11:00	06/19/13 17:43	1
Dimethyl phthalate	<22.1		437	22.1	ug/Kg	☼	06/18/13 11:00	06/19/13 17:43	1
Di-n-butyl phthalate	50.2	J	437	22.1	ug/Kg	☼	06/18/13 11:00	06/19/13 17:43	1
4,6-Dinitro-2-methylphenol	<66.2		437	66.2	ug/Kg	☼	06/18/13 11:00	06/19/13 17:43	1
2,4-Dinitrophenol	<132		437	132	ug/Kg	☼	06/18/13 11:00	06/19/13 17:43	1
2,4-Dinitrotoluene	<27.9		437	27.9	ug/Kg	☼	06/18/13 11:00	06/19/13 17:43	1
2,6-Dinitrotoluene	<66.2		437	66.2	ug/Kg	☼	06/18/13 11:00	06/19/13 17:43	1
Di-n-octyl phthalate	<24.7		437	24.7	ug/Kg	☼	06/18/13 11:00	06/19/13 17:43	1
Fluoranthene	10500		2180	111	ug/Kg	☼	06/18/13 11:00	06/20/13 14:55	5
Fluorene	195	J	437	22.1	ug/Kg	☼	06/18/13 11:00	06/19/13 17:43	1
Hexachlorobenzene	<22.1		437	22.1	ug/Kg	☼	06/18/13 11:00	06/19/13 17:43	1
Hexachlorobutadiene	<59.2		437	59.2	ug/Kg	☼	06/18/13 11:00	06/19/13 17:43	1
Hexachlorocyclopentadiene	<132		437	132	ug/Kg	☼	06/18/13 11:00	06/19/13 17:43	1
Hexachloroethane	<66.3		437	66.3	ug/Kg	☼	06/18/13 11:00	06/19/13 17:43	1
Indeno[1,2,3-cd]pyrene	2310		437	22.1	ug/Kg	☼	06/18/13 11:00	06/19/13 17:43	1
Isophorone	<22.1		437	22.1	ug/Kg	☼	06/18/13 11:00	06/19/13 17:43	1
2-Methylnaphthalene	<41.2		437	41.2	ug/Kg	☼	06/18/13 11:00	06/19/13 17:43	1
2-Methylphenol	<43.7		437	43.7	ug/Kg	☼	06/18/13 11:00	06/19/13 17:43	1
3 & 4 Methylphenol	<66.2		887	66.2	ug/Kg	☼	06/18/13 11:00	06/19/13 17:43	1
Naphthalene	<55.2		437	55.2	ug/Kg	☼	06/18/13 11:00	06/19/13 17:43	1
2-Nitroaniline	<29.4		437	29.4	ug/Kg	☼	06/18/13 11:00	06/19/13 17:43	1

TestAmerica Corpus Christi

Client Sample Results

Client: Edwards Aquifer Authority
Project/Site: Sludge Composite

TestAmerica Job ID: 560-40591-1

Client Sample ID: HSM 340

Lab Sample ID: 560-40591-3

Date Collected: 06/12/13 13:15

Matrix: Solid

Date Received: 06/13/13 08:35

Percent Solids: 75.3

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	<66.2		437	66.2	ug/Kg	☼	06/18/13 11:00	06/19/13 17:43	1
4-Nitroaniline	<37.2		437	37.2	ug/Kg	☼	06/18/13 11:00	06/19/13 17:43	1
Nitrobenzene	<48.2		437	48.2	ug/Kg	☼	06/18/13 11:00	06/19/13 17:43	1
2-Nitrophenol	<22.5		437	22.5	ug/Kg	☼	06/18/13 11:00	06/19/13 17:43	1
4-Nitrophenol	<40.4		437	40.4	ug/Kg	☼	06/18/13 11:00	06/19/13 17:43	1
N-Nitrosodi-n-propylamine	<22.1		437	22.1	ug/Kg	☼	06/18/13 11:00	06/19/13 17:43	1
N-Nitrosodiphenylamine	<22.1		437	22.1	ug/Kg	☼	06/18/13 11:00	06/19/13 17:43	1
Pentachlorophenol	<132		437	132	ug/Kg	☼	06/18/13 11:00	06/19/13 17:43	1
Phenanthrene	4620		437	22.1	ug/Kg	☼	06/18/13 11:00	06/19/13 17:43	1
Phenol	<22.1		437	22.1	ug/Kg	☼	06/18/13 11:00	06/19/13 17:43	1
Pyrene	8700		2180	111	ug/Kg	☼	06/18/13 11:00	06/20/13 14:55	5
1,2,4-Trichlorobenzene	<60.5		437	60.5	ug/Kg	☼	06/18/13 11:00	06/19/13 17:43	1
2,4,5-Trichlorophenol	<22.1		437	22.1	ug/Kg	☼	06/18/13 11:00	06/19/13 17:43	1
2,4,6-Trichlorophenol	<22.1		437	22.1	ug/Kg	☼	06/18/13 11:00	06/19/13 17:43	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
2-Pentanone, 4-hydroxy-4-methyl-	43400	T J N	ug/Kg	☼	4.34	123-42-2	06/18/13 11:00	06/20/13 14:55	5
3-Chloro-6-fluoro-pyrazine	4840	T J N	ug/Kg	☼	5.81	1000146-10-7	06/18/13 11:00	06/20/13 14:55	5
Benzene-1,2,3,4-d4-, 5,6-dichloro-	3210	T J N	ug/Kg	☼	6.28	2199-69-1	06/18/13 11:00	06/20/13 14:55	5
Anthracene, 2-methyl-	1410	T J N	ug/Kg	☼	13.68	613-12-7	06/18/13 11:00	06/19/13 17:43	1
4H-Cyclopenta[def]phenanthrene	969	T J N	ug/Kg	☼	13.85	203-64-5	06/18/13 11:00	06/19/13 17:43	1
9,10-Anthracenedione	923	T J N	ug/Kg	☼	14.10	84-65-1	06/18/13 11:00	06/19/13 17:43	1
1,8-Anthracenediamine	1150	T J N	ug/Kg	☼	14.72	139312-39-3	06/18/13 11:00	06/20/13 14:55	5
Benzo[e]pyrene	4450	T J N	ug/Kg	☼	17.82	192-97-2	06/18/13 11:00	06/20/13 14:55	5
Perylene	3640	T J N	ug/Kg	☼	17.84	198-55-0	06/18/13 11:00	06/19/13 17:43	1
Perylene	1610	T J N	ug/Kg	☼	18.05	198-55-0	06/18/13 11:00	06/19/13 17:43	1
Vitamin e	1760	T J N	ug/Kg	☼	18.96	10191-41-0	06/18/13 11:00	06/19/13 17:43	1
Benzo[b]triphenylene	2390	T J N	ug/Kg	☼	20.28	215-58-7	06/18/13 11:00	06/20/13 14:55	5
.beta.-Sitosterol	5160	T J N	ug/Kg	☼	20.74	83-46-5	06/18/13 11:00	06/20/13 14:55	5
.gamma.-Sitosterol	3110	T J N	ug/Kg	☼	20.78	83-47-6	06/18/13 11:00	06/19/13 17:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	83		57 - 130	06/18/13 11:00	06/19/13 17:43	1
2-Fluorophenol	90		48 - 130	06/18/13 11:00	06/19/13 17:43	1
Nitrobenzene-d5	81		48 - 130	06/18/13 11:00	06/19/13 17:43	1
Phenol-d5	91		56 - 130	06/18/13 11:00	06/19/13 17:43	1
Terphenyl-d14	67		58 - 130	06/18/13 11:00	06/19/13 17:43	1
2,4,6-Tribromophenol	90		30 - 131	06/18/13 11:00	06/19/13 17:43	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
delta-BHC	<0.122		2.21	0.122	ug/Kg	☼	06/17/13 10:11	06/27/13 17:49	1
4,4'-DDD	1.52	J	4.29	0.116	ug/Kg	☼	06/17/13 10:11	06/27/13 17:49	1
4,4'-DDE	<0.111		4.29	0.111	ug/Kg	☼	06/17/13 10:11	06/27/13 17:49	1
4,4'-DDT	<0.169		4.29	0.169	ug/Kg	☼	06/17/13 10:11	06/27/13 17:49	1
Aldrin	0.391	J p	2.21	0.0625	ug/Kg	☼	06/17/13 10:11	06/27/13 17:49	1
alpha-BHC	<0.364		2.21	0.364	ug/Kg	☼	06/17/13 10:11	06/27/13 17:49	1
alpha-Chlordane	1.28	J	2.21	0.0742	ug/Kg	☼	06/17/13 10:11	06/27/13 17:49	1
beta-BHC	<0.0924		2.21	0.0924	ug/Kg	☼	06/17/13 10:11	06/27/13 17:49	1

TestAmerica Corpus Christi

Client Sample Results

Client: Edwards Aquifer Authority
Project/Site: Sludge Composite

TestAmerica Job ID: 560-40591-1

Client Sample ID: HSM 340

Lab Sample ID: 560-40591-3

Date Collected: 06/12/13 13:15

Matrix: Solid

Date Received: 06/13/13 08:35

Percent Solids: 75.3

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dieldrin	<0.0442		4.29	0.0442	ug/Kg	☼	06/17/13 10:11	06/27/13 17:49	1
Endosulfan I	<0.0455		2.21	0.0455	ug/Kg	☼	06/17/13 10:11	06/27/13 17:49	1
Endosulfan II	<0.111		4.29	0.111	ug/Kg	☼	06/17/13 10:11	06/27/13 17:49	1
Endosulfan sulfate	<0.208		4.29	0.208	ug/Kg	☼	06/17/13 10:11	06/27/13 17:49	1
Endrin	<0.117		4.29	0.117	ug/Kg	☼	06/17/13 10:11	06/27/13 17:49	1
Endrin aldehyde	<0.156		4.29	0.156	ug/Kg	☼	06/17/13 10:11	06/27/13 17:49	1
Endrin ketone	<0.156		4.29	0.156	ug/Kg	☼	06/17/13 10:11	06/27/13 17:49	1
gamma-BHC (Lindane)	<0.0508		2.21	0.0508	ug/Kg	☼	06/17/13 10:11	06/27/13 17:49	1
gamma-Chlordane	1.87	J	2.21	0.109	ug/Kg	☼	06/17/13 10:11	06/27/13 17:49	1
Heptachlor	<0.156		2.21	0.156	ug/Kg	☼	06/17/13 10:11	06/27/13 17:49	1
Heptachlor epoxide	<0.0742		2.21	0.0742	ug/Kg	☼	06/17/13 10:11	06/27/13 17:49	1
Methoxychlor	<0.107		22.1	0.107	ug/Kg	☼	06/17/13 10:11	06/27/13 17:49	1
Toxaphene	<8.72		22.1	8.72	ug/Kg	☼	06/17/13 10:11	06/27/13 17:49	1
Chlordane (technical)	72.7		22.1	3.25	ug/Kg	☼	06/17/13 10:11	06/27/13 17:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	30		30 - 138	06/17/13 10:11	06/27/13 17:49	1
Tetrachloro-m-xylene	22	X	30 - 130	06/17/13 10:11	06/27/13 17:49	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	<0.00677		0.0438	0.00677	mg/Kg	☼	06/14/13 14:35	06/20/13 00:33	1
Aroclor 1221	<0.00677		0.0438	0.00677	mg/Kg	☼	06/14/13 14:35	06/20/13 00:33	1
Aroclor 1232	<0.00677		0.0438	0.00677	mg/Kg	☼	06/14/13 14:35	06/20/13 00:33	1
Aroclor 1242	<0.00677		0.0438	0.00677	mg/Kg	☼	06/14/13 14:35	06/20/13 00:33	1
Aroclor 1248	<0.00677		0.0438	0.00677	mg/Kg	☼	06/14/13 14:35	06/20/13 00:33	1
Aroclor 1254	<0.00677		0.0438	0.00677	mg/Kg	☼	06/14/13 14:35	06/20/13 00:33	1
Aroclor 1260	0.0242	J	0.0438	0.00677	mg/Kg	☼	06/14/13 14:35	06/20/13 00:33	1
Aroclor 1262	<0.00677		0.0438	0.00677	mg/Kg	☼	06/14/13 14:35	06/20/13 00:33	1
Aroclor 1268	<0.00677		0.0438	0.00677	mg/Kg	☼	06/14/13 14:35	06/20/13 00:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	85		57 - 138	06/14/13 14:35	06/20/13 00:33	1
Tetrachloro-m-xylene	80		32 - 132	06/14/13 14:35	06/20/13 00:33	1

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Azinphos-methyl	<19.5		85.9	19.5	ug/Kg	☼	06/17/13 10:11	06/27/13 01:43	1
Bolstar	<6.12		42.9	6.12	ug/Kg	☼	06/17/13 10:11	06/27/13 01:43	1
Chlorpyrifos	<8.85		42.9	8.85	ug/Kg	☼	06/17/13 10:11	06/27/13 01:43	1
Coumaphos	<28.6		429	28.6	ug/Kg	☼	06/17/13 10:11	06/27/13 01:43	1
Demeton-O	<3.38		108	3.38	ug/Kg	☼	06/17/13 10:11	06/27/13 01:43	1
Demeton-S	<7.29		108	7.29	ug/Kg	☼	06/17/13 10:11	06/27/13 01:43	1
Diazinon	<7.42		42.9	7.42	ug/Kg	☼	06/17/13 10:11	06/27/13 01:43	1
Dichlorvos	<8.33		85.9	8.33	ug/Kg	☼	06/17/13 10:11	06/27/13 01:43	1
Dimethoate	<11.5		85.9	11.5	ug/Kg	☼	06/17/13 10:11	06/27/13 01:43	1
Disulfoton	<20.8		85.9	20.8	ug/Kg	☼	06/17/13 10:11	06/27/13 01:43	1
EPN	<5.86		42.9	5.86	ug/Kg	☼	06/17/13 10:11	06/27/13 01:43	1
Famphur	<10.8		85.9	10.8	ug/Kg	☼	06/17/13 10:11	06/27/13 01:43	1
Fensulfothion	<15.6		429	15.6	ug/Kg	☼	06/17/13 10:11	06/27/13 01:43	1

TestAmerica Corpus Christi

Client Sample Results

Client: Edwards Aquifer Authority
Project/Site: Sludge Composite

TestAmerica Job ID: 560-40591-1

Client Sample ID: HSM 340

Lab Sample ID: 560-40591-3

Date Collected: 06/12/13 13:15

Matrix: Solid

Date Received: 06/13/13 08:35

Percent Solids: 75.3

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fenthion	<6.12		42.9	6.12	ug/Kg	☼	06/17/13 10:11	06/27/13 01:43	1
Malathion	<10.7		42.9	10.7	ug/Kg	☼	06/17/13 10:11	06/27/13 01:43	1
Merphos	<14.3		42.9	14.3	ug/Kg	☼	06/17/13 10:11	06/27/13 01:43	1
Methyl parathion	<7.03		22.1	7.03	ug/Kg	☼	06/17/13 10:11	06/27/13 01:43	1
Mevinphos	<5.99		85.9	5.99	ug/Kg	☼	06/17/13 10:11	06/27/13 01:43	1
Ethoprop	<5.47		22.1	5.47	ug/Kg	☼	06/17/13 10:11	06/27/13 01:43	1
Monochrotophos	<59.9		429	59.9	ug/Kg	☼	06/17/13 10:11	06/27/13 01:43	1
Naled	<28.6		429	28.6	ug/Kg	☼	06/17/13 10:11	06/27/13 01:43	1
Ethyl Parathion	<7.16		42.9	7.16	ug/Kg	☼	06/17/13 10:11	06/27/13 01:43	1
Phorate	<7.03		42.9	7.03	ug/Kg	☼	06/17/13 10:11	06/27/13 01:43	1
Ronnel	<5.47		42.9	5.47	ug/Kg	☼	06/17/13 10:11	06/27/13 01:43	1
Stirophos	<8.33		42.9	8.33	ug/Kg	☼	06/17/13 10:11	06/27/13 01:43	1
Sulfotepp	<11.2		22.1	11.2	ug/Kg	☼	06/17/13 10:11	06/27/13 01:43	1
Thionazin	<13.0		42.9	13.0	ug/Kg	☼	06/17/13 10:11	06/27/13 01:43	1
Tokuthion	<7.03		42.9	7.03	ug/Kg	☼	06/17/13 10:11	06/27/13 01:43	1
Trichloronate	<9.89		429	9.89	ug/Kg	☼	06/17/13 10:11	06/27/13 01:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Triphenylphosphate	28	X	35 - 134	06/17/13 10:11	06/27/13 01:43	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<6.55		10.9	6.55	ug/Kg	☼	06/18/13 08:26	06/20/13 00:48	1
Dalapon	<3.80		432	3.80	ug/Kg	☼	06/18/13 08:26	06/20/13 00:48	1
2,4-DB	<3.93		10.9	3.93	ug/Kg	☼	06/18/13 08:26	06/20/13 00:48	1
Dicamba	<2.49		10.9	2.49	ug/Kg	☼	06/18/13 08:26	06/20/13 00:48	1
Dichlorprop	<1.44		10.9	1.44	ug/Kg	☼	06/18/13 08:26	06/20/13 00:48	1
Dinoseb	<6.03		131	6.03	ug/Kg	☼	06/18/13 08:26	06/20/13 00:48	1
MCPA	<249		2620	249	ug/Kg	☼	06/18/13 08:26	06/20/13 00:48	1
Mecoprop	<223		2620	223	ug/Kg	☼	06/18/13 08:26	06/20/13 00:48	1
Pentachlorophenol	<0.550		10.9	0.550	ug/Kg	☼	06/18/13 08:26	06/20/13 00:48	1
Silvex (2,4,5-TP)	<2.10		10.9	2.10	ug/Kg	☼	06/18/13 08:26	06/20/13 00:48	1
2,4,5-T	<3.01		10.9	3.01	ug/Kg	☼	06/18/13 08:26	06/20/13 00:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCAA	70	p	35 - 137	06/18/13 08:26	06/20/13 00:48	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silicon	342		21.3	6.73	mg/Kg	☼	06/27/13 11:40	06/28/13 18:37	1

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	2730		2.22	1.06	mg/Kg	☼	06/26/13 09:20	06/26/13 18:17	1
Calcium	288000		443	245	mg/Kg	☼	06/26/13 09:20	06/27/13 16:09	20
Antimony	<0.0852		0.222	0.0852	mg/Kg	☼	06/26/13 09:20	06/27/13 14:47	1
Potassium	484		44.3	21.7	mg/Kg	☼	06/26/13 09:20	06/26/13 18:17	1
Arsenic	3.80		0.222	0.0442	mg/Kg	☼	06/26/13 09:20	06/26/13 18:17	1
Magnesium	2170		22.2	4.85	mg/Kg	☼	06/26/13 09:20	06/26/13 18:17	1
Barium	35.8		0.222	0.0966	mg/Kg	☼	06/26/13 09:20	06/26/13 18:17	1
Sodium	108		44.3	24.9	mg/Kg	☼	06/26/13 09:20	06/26/13 18:17	1

TestAmerica Corpus Christi

Client Sample Results

Client: Edwards Aquifer Authority
Project/Site: Sludge Composite

TestAmerica Job ID: 560-40591-1

Client Sample ID: HSM 340

Lab Sample ID: 560-40591-3

Date Collected: 06/12/13 13:15

Matrix: Solid

Date Received: 06/13/13 08:35

Percent Solids: 75.3

Method: 6020 - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.271		0.222	0.0776	mg/Kg	☼	06/26/13 09:20	06/26/13 18:17	1
Strontium	119		0.222	0.0542	mg/Kg	☼	06/26/13 09:20	06/26/13 18:17	1
Cadmium	0.210	J	0.222	0.0639	mg/Kg	☼	06/26/13 09:20	06/26/13 18:17	1
Chromium	14.2		0.222	0.0993	mg/Kg	☼	06/26/13 09:20	06/26/13 18:17	1
Copper	6.34		0.443	0.157	mg/Kg	☼	06/26/13 09:20	06/26/13 18:17	1
Iron	4920		22.2	4.90	mg/Kg	☼	06/26/13 09:20	06/26/13 18:17	1
Lead	56.0		0.443	0.182	mg/Kg	☼	06/26/13 09:20	06/26/13 18:17	1
Manganese	218		2.22	0.534	mg/Kg	☼	06/26/13 09:20	06/26/13 18:17	1
Nickel	5.87		0.222	0.118	mg/Kg	☼	06/26/13 09:20	06/26/13 18:17	1
Selenium	0.519		0.222	0.0386	mg/Kg	☼	06/26/13 09:20	06/26/13 18:17	1
Silver	<0.0608		0.222	0.0608	mg/Kg	☼	06/26/13 09:20	06/26/13 18:17	1
Thallium	<0.0611		0.222	0.0611	mg/Kg	☼	06/26/13 09:20	06/26/13 18:17	1
Zinc	34.8		1.11	0.681	mg/Kg	☼	06/26/13 09:20	06/26/13 18:17	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0165	J	0.140	0.0126	mg/Kg	☼	06/19/13 10:00	06/19/13 15:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phosphorus	496		25.8	14.2	mg/Kg	☼	06/21/13 16:30	06/24/13 20:18	1
Total Organic Carbon	20900		1990	359	mg/Kg	☼		06/25/13 13:20	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.40		0.100	0.100	SU			06/19/13 15:15	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.2	J	26.6	2.79	mg/Kg	☼		07/02/13 21:57	2
Nitrate as N	<1.48		13.3	1.48	mg/Kg	☼		07/02/13 21:57	2
Sulfate	170	B	26.6	23.0	mg/Kg	☼		07/02/13 21:57	2
Bromide	<1.64		26.6	1.64	mg/Kg	☼		07/02/13 21:57	2
Fluoride	1.66		1.33	0.266	mg/Kg	☼		06/24/13 11:30	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3	1000		166	166	mg/Kg	☼		06/21/13 15:00	1
Bicarbonate Alkalinity as CaCO3	1000		166	166	mg/Kg	☼		06/21/13 15:00	1
Carbonate Alkalinity as CaCO3	<166		166	166	mg/Kg	☼		06/21/13 15:00	1

Client Sample ID: HSM 350

Lab Sample ID: 560-40591-4

Date Collected: 06/12/13 14:10

Matrix: Solid

Date Received: 06/13/13 08:35

Percent Solids: 45.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	150	J	348	50.2	ug/Kg	☼		06/14/13 15:35	1
Acetonitrile	<258		348	258	ug/Kg	☼		06/14/13 15:35	1
Benzene	<1.60		34.8	1.60	ug/Kg	☼		06/14/13 15:35	1
Benzyl chloride	<3.48		34.8	3.48	ug/Kg	☼		06/14/13 15:35	1
Bromobenzene	<5.16		34.8	5.16	ug/Kg	☼		06/14/13 15:35	1
Bromochloromethane	<6.27		34.8	6.27	ug/Kg	☼		06/14/13 15:35	1
Bromoform	<3.55		34.8	3.55	ug/Kg	☼		06/14/13 15:35	1

TestAmerica Corpus Christi

Client Sample Results

Client: Edwards Aquifer Authority
Project/Site: Sludge Composite

TestAmerica Job ID: 560-40591-1

Client Sample ID: HSM 350

Lab Sample ID: 560-40591-4

Date Collected: 06/12/13 14:10

Matrix: Solid

Date Received: 06/13/13 08:35

Percent Solids: 45.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	<7.66		34.8	7.66	ug/Kg	☼		06/14/13 15:35	1
1,3-Butadiene	<1.67		34.8	1.67	ug/Kg	☼		06/14/13 15:35	1
2-Butanone (MEK)	37.9	J	69.7	13.2	ug/Kg	☼		06/14/13 15:35	1
Carbon disulfide	<6.97		34.8	6.97	ug/Kg	☼		06/14/13 15:35	1
Carbon tetrachloride	<3.55		34.8	3.55	ug/Kg	☼		06/14/13 15:35	1
Chlorobenzene	<1.60		34.8	1.60	ug/Kg	☼		06/14/13 15:35	1
2-Chloro-1,3-butadiene	<4.81		34.8	4.81	ug/Kg	☼		06/14/13 15:35	1
Chlorodibromomethane	<4.46		34.8	4.46	ug/Kg	☼		06/14/13 15:35	1
Chloroethane	<1.81		34.8	1.81	ug/Kg	☼		06/14/13 15:35	1
Chloroform	<6.06		34.8	6.06	ug/Kg	☼		06/14/13 15:35	1
1-Chlorohexane	<3.83		34.8	3.83	ug/Kg	☼		06/14/13 15:35	1
Chloromethane	<8.36		34.8	8.36	ug/Kg	☼		06/14/13 15:35	1
3-Chloro-1-propene	<6.83		34.8	6.83	ug/Kg	☼		06/14/13 15:35	1
2-Chlorotoluene	<1.53		34.8	1.53	ug/Kg	☼		06/14/13 15:35	1
4-Chlorotoluene	<4.81		34.8	4.81	ug/Kg	☼		06/14/13 15:35	1
cis-1,4-Dichloro-2-butene	<2.23		34.8	2.23	ug/Kg	☼		06/14/13 15:35	1
cis-1,2-Dichloroethene	<3.97		34.8	3.97	ug/Kg	☼		06/14/13 15:35	1
cis-1,3-Dichloropropene	<0.982		34.8	0.982	ug/Kg	☼		06/14/13 15:35	1
Cyclohexane	<6.90		69.7	6.90	ug/Kg	☼		06/14/13 15:35	1
Cyclohexanone	<69.7		69.7	69.7	ug/Kg	☼		06/14/13 15:35	1
1,2-Dibromo-3-Chloropropane	<2.30		34.8	2.30	ug/Kg	☼		06/14/13 15:35	1
Dibromomethane	<4.95		34.8	4.95	ug/Kg	☼		06/14/13 15:35	1
1,2-Dichlorobenzene	<1.74		34.8	1.74	ug/Kg	☼		06/14/13 15:35	1
1,3-Dichlorobenzene	<2.16		34.8	2.16	ug/Kg	☼		06/14/13 15:35	1
1,4-Dichlorobenzene	<2.23		34.8	2.23	ug/Kg	☼		06/14/13 15:35	1
Dichlorobromomethane	<1.32		34.8	1.32	ug/Kg	☼		06/14/13 15:35	1
Dichlorodifluoromethane	<5.09		34.8	5.09	ug/Kg	☼		06/14/13 15:35	1
1,1-Dichloroethane	<4.11		34.8	4.11	ug/Kg	☼		06/14/13 15:35	1
1,2-Dichloroethane	<3.62		34.8	3.62	ug/Kg	☼		06/14/13 15:35	1
1,1-Dichloroethene	<1.32		34.8	1.32	ug/Kg	☼		06/14/13 15:35	1
1,2-Dichloroethene, Total	<3.48		34.8	3.48	ug/Kg	☼		06/14/13 15:35	1
1,2-Dichloropropane	<1.05		34.8	1.05	ug/Kg	☼		06/14/13 15:35	1
1,3-Dichloropropane	<1.67		34.8	1.67	ug/Kg	☼		06/14/13 15:35	1
2,2-Dichloropropane	<5.85		34.8	5.85	ug/Kg	☼		06/14/13 15:35	1
1,1-Dichloropropene	<3.62		34.8	3.62	ug/Kg	☼		06/14/13 15:35	1
1,4-Dioxane	<132		697	132	ug/Kg	☼		06/14/13 15:35	1
EDB	<1.18		34.8	1.18	ug/Kg	☼		06/14/13 15:35	1
Ethyl acetate	<19.6		34.8	19.6	ug/Kg	☼		06/14/13 15:35	1
Ethylbenzene	<3.14		34.8	3.14	ug/Kg	☼		06/14/13 15:35	1
Ethylene oxide	<111		279	111	ug/Kg	☼		06/14/13 15:35	1
Ethyl ether	<1.18		34.8	1.18	ug/Kg	☼		06/14/13 15:35	1
Ethyl methacrylate	<3.55		34.8	3.55	ug/Kg	☼		06/14/13 15:35	1
Hexachlorobutadiene	<4.46		34.8	4.46	ug/Kg	☼		06/14/13 15:35	1
Hexane	<9.06		34.8	9.06	ug/Kg	☼		06/14/13 15:35	1
2-Hexanone	<10.5		69.7	10.5	ug/Kg	☼		06/14/13 15:35	1
Iodomethane	<5.57		34.8	5.57	ug/Kg	☼		06/14/13 15:35	1
Isobutyl alcohol	<474		697	474	ug/Kg	☼		06/14/13 15:35	1
Isooctane	<1.11		34.8	1.11	ug/Kg	☼		06/14/13 15:35	1
Isopropylbenzene	<0.975		34.8	0.975	ug/Kg	☼		06/14/13 15:35	1

TestAmerica Corpus Christi

Client Sample Results

Client: Edwards Aquifer Authority
Project/Site: Sludge Composite

TestAmerica Job ID: 560-40591-1

Client Sample ID: HSM 350

Lab Sample ID: 560-40591-4

Date Collected: 06/12/13 14:10

Matrix: Solid

Date Received: 06/13/13 08:35

Percent Solids: 45.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Isopropyltoluene	<2.75		34.8	2.75	ug/Kg	☼		06/14/13 15:35	1
Methacrylonitrile	<16.7		348	16.7	ug/Kg	☼		06/14/13 15:35	1
Methylene Chloride	<34.8		174	34.8	ug/Kg	☼		06/14/13 15:35	1
Methyl methacrylate	<7.66		34.8	7.66	ug/Kg	☼		06/14/13 15:35	1
4-Methyl-2-pentanone (MIBK)	<10.5		69.7	10.5	ug/Kg	☼		06/14/13 15:35	1
Methyl tert-butyl ether	<4.25		34.8	4.25	ug/Kg	☼		06/14/13 15:35	1
m-Xylene & p-Xylene	<3.48		69.7	3.48	ug/Kg	☼		06/14/13 15:35	1
Naphthalene	<8.36		69.7	8.36	ug/Kg	☼		06/14/13 15:35	1
n-Butylbenzene	<1.88		34.8	1.88	ug/Kg	☼		06/14/13 15:35	1
n-Heptane	<3.69		34.8	3.69	ug/Kg	☼		06/14/13 15:35	1
2-Nitropropane	<3.62		34.8	3.62	ug/Kg	☼		06/14/13 15:35	1
N-Propylbenzene	<1.46		34.8	1.46	ug/Kg	☼		06/14/13 15:35	1
1-Octene	<3.48		34.8	3.48	ug/Kg	☼		06/14/13 15:35	1
o-Xylene	<1.53		34.8	1.53	ug/Kg	☼		06/14/13 15:35	1
Pentachloroethane	<9.75		34.8	9.75	ug/Kg	☼		06/14/13 15:35	1
Propionitrile	<34.1		348	34.1	ug/Kg	☼		06/14/13 15:35	1
sec-Butylbenzene	<1.39		34.8	1.39	ug/Kg	☼		06/14/13 15:35	1
Styrene	<1.39		34.8	1.39	ug/Kg	☼		06/14/13 15:35	1
tert-Butylbenzene	<1.74		34.8	1.74	ug/Kg	☼		06/14/13 15:35	1
1,1,1,2-Tetrachloroethane	<1.88		34.8	1.88	ug/Kg	☼		06/14/13 15:35	1
1,1,2,2-Tetrachloroethane	<2.65		34.8	2.65	ug/Kg	☼		06/14/13 15:35	1
Tetrachloroethene	<5.16		34.8	5.16	ug/Kg	☼		06/14/13 15:35	1
Toluene	<6.27		34.8	6.27	ug/Kg	☼		06/14/13 15:35	1
trans-1,4-Dichloro-2-butene	<6.13		34.8	6.13	ug/Kg	☼		06/14/13 15:35	1
trans-1,2-Dichloroethene	<3.48		34.8	3.48	ug/Kg	☼		06/14/13 15:35	1
trans-1,3-Dichloropropene	<3.62		34.8	3.62	ug/Kg	☼		06/14/13 15:35	1
1,2,3-Trichlorobenzene	<3.07		34.8	3.07	ug/Kg	☼		06/14/13 15:35	1
1,2,4-Trichlorobenzene	<6.76		34.8	6.76	ug/Kg	☼		06/14/13 15:35	1
1,3,5-Trichlorobenzene	<2.16		34.8	2.16	ug/Kg	☼		06/14/13 15:35	1
1,1,1-Trichloroethane	<4.88		34.8	4.88	ug/Kg	☼		06/14/13 15:35	1
1,1,2-Trichloroethane	<3.48		34.8	3.48	ug/Kg	☼		06/14/13 15:35	1
Trichloroethene	<1.95		34.8	1.95	ug/Kg	☼		06/14/13 15:35	1
Trichlorofluoromethane	<3.48		34.8	3.48	ug/Kg	☼		06/14/13 15:35	1
1,2,3-Trichloropropane	<5.29		34.8	5.29	ug/Kg	☼		06/14/13 15:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<4.67		34.8	4.67	ug/Kg	☼		06/14/13 15:35	1
1,2,4-Trimethylbenzene	<2.65		34.8	2.65	ug/Kg	☼		06/14/13 15:35	1
1,3,5-Trimethylbenzene	<2.44		34.8	2.44	ug/Kg	☼		06/14/13 15:35	1
Vinyl acetate	<7.66		34.8	7.66	ug/Kg	☼		06/14/13 15:35	1
Vinyl chloride	<4.18		34.8	4.18	ug/Kg	☼		06/14/13 15:35	1
Xylenes, Total	<3.48		105	3.48	ug/Kg	☼		06/14/13 15:35	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼				06/14/13 15:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		61 - 136		06/14/13 15:35	1
Dibromofluoromethane (Surr)	96		50 - 136		06/14/13 15:35	1
1,2-Dichloroethane-d4 (Surr)	111		65 - 152		06/14/13 15:35	1
Toluene-d8 (Surr)	100		65 - 139		06/14/13 15:35	1

TestAmerica Corpus Christi

Client Sample Results

Client: Edwards Aquifer Authority
Project/Site: Sludge Composite

TestAmerica Job ID: 560-40591-1

Client Sample ID: HSM 350

Lab Sample ID: 560-40591-4

Date Collected: 06/12/13 14:10

Matrix: Solid

Date Received: 06/13/13 08:35

Percent Solids: 45.1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	42.4	J	730	37.0	ug/Kg	☼	06/18/13 11:00	06/19/13 18:11	1
Acenaphthylene	39.2	J	730	37.0	ug/Kg	☼	06/18/13 11:00	06/19/13 18:11	1
Anthracene	75.2	J	730	37.0	ug/Kg	☼	06/18/13 11:00	06/19/13 18:11	1
Benzo[a]anthracene	380	J	730	37.0	ug/Kg	☼	06/18/13 11:00	06/19/13 18:11	1
Benzo[a]pyrene	490	J	730	37.0	ug/Kg	☼	06/18/13 11:00	06/19/13 18:11	1
Benzo[b]fluoranthene	1020		730	37.0	ug/Kg	☼	06/18/13 11:00	06/19/13 18:11	1
Benzo[g,h,i]perylene	304	J	730	37.0	ug/Kg	☼	06/18/13 11:00	06/19/13 18:11	1
Benzo[k]fluoranthene	306	J	730	37.0	ug/Kg	☼	06/18/13 11:00	06/19/13 18:11	1
Benzyl alcohol	<54.2		730	54.2	ug/Kg	☼	06/18/13 11:00	06/19/13 18:11	1
Bis(2-chloroethoxy)methane	<37.0		730	37.0	ug/Kg	☼	06/18/13 11:00	06/19/13 18:11	1
Bis(2-chloroethyl)ether	<82.8		730	82.8	ug/Kg	☼	06/18/13 11:00	06/19/13 18:11	1
Bis(2-ethylhexyl) phthalate	366	J	730	37.0	ug/Kg	☼	06/18/13 11:00	06/19/13 18:11	1
4-Bromophenyl phenyl ether	<37.0		730	37.0	ug/Kg	☼	06/18/13 11:00	06/19/13 18:11	1
Butyl benzyl phthalate	<37.0		730	37.0	ug/Kg	☼	06/18/13 11:00	06/19/13 18:11	1
4-Chloroaniline	<103		730	103	ug/Kg	☼	06/18/13 11:00	06/19/13 18:11	1
4-Chloro-3-methylphenol	<37.0		730	37.0	ug/Kg	☼	06/18/13 11:00	06/19/13 18:11	1
2-Chloronaphthalene	<37.0		730	37.0	ug/Kg	☼	06/18/13 11:00	06/19/13 18:11	1
2-Chlorophenol	<61.5		730	61.5	ug/Kg	☼	06/18/13 11:00	06/19/13 18:11	1
4-Chlorophenyl phenyl ether	<37.0		730	37.0	ug/Kg	☼	06/18/13 11:00	06/19/13 18:11	1
Chrysene	603	J	730	37.0	ug/Kg	☼	06/18/13 11:00	06/19/13 18:11	1
Dibenz(a,h)anthracene	70.0	J	730	37.0	ug/Kg	☼	06/18/13 11:00	06/19/13 18:11	1
Dibenzofuran	<37.0		730	37.0	ug/Kg	☼	06/18/13 11:00	06/19/13 18:11	1
1,2-Dichlorobenzene	<115		730	115	ug/Kg	☼	06/18/13 11:00	06/19/13 18:11	1
1,3-Dichlorobenzene	<96.9		730	96.9	ug/Kg	☼	06/18/13 11:00	06/19/13 18:11	1
1,4-Dichlorobenzene	<101		730	101	ug/Kg	☼	06/18/13 11:00	06/19/13 18:11	1
3,3'-Dichlorobenzidine	<111		730	111	ug/Kg	☼	06/18/13 11:00	06/19/13 18:11	1
2,4-Dichlorophenol	<50.5		730	50.5	ug/Kg	☼	06/18/13 11:00	06/19/13 18:11	1
Diethyl phthalate	<37.0		730	37.0	ug/Kg	☼	06/18/13 11:00	06/19/13 18:11	1
2,4-Dimethylphenol	<45.1		730	45.1	ug/Kg	☼	06/18/13 11:00	06/19/13 18:11	1
Dimethyl phthalate	<37.0		730	37.0	ug/Kg	☼	06/18/13 11:00	06/19/13 18:11	1
Di-n-butyl phthalate	<37.0		730	37.0	ug/Kg	☼	06/18/13 11:00	06/19/13 18:11	1
4,6-Dinitro-2-methylphenol	<111		730	111	ug/Kg	☼	06/18/13 11:00	06/19/13 18:11	1
2,4-Dinitrophenol	<221		730	221	ug/Kg	☼	06/18/13 11:00	06/19/13 18:11	1
2,4-Dinitrotoluene	<46.7		730	46.7	ug/Kg	☼	06/18/13 11:00	06/19/13 18:11	1
2,6-Dinitrotoluene	<111		730	111	ug/Kg	☼	06/18/13 11:00	06/19/13 18:11	1
Di-n-octyl phthalate	1040		730	41.4	ug/Kg	☼	06/18/13 11:00	06/19/13 18:11	1
Fluoranthene	745		730	37.0	ug/Kg	☼	06/18/13 11:00	06/19/13 18:11	1
Fluorene	<37.0		730	37.0	ug/Kg	☼	06/18/13 11:00	06/19/13 18:11	1
Hexachlorobenzene	<37.0		730	37.0	ug/Kg	☼	06/18/13 11:00	06/19/13 18:11	1
Hexachlorobutadiene	<98.9		730	98.9	ug/Kg	☼	06/18/13 11:00	06/19/13 18:11	1
Hexachlorocyclopentadiene	<221		730	221	ug/Kg	☼	06/18/13 11:00	06/19/13 18:11	1
Hexachloroethane	<111		730	111	ug/Kg	☼	06/18/13 11:00	06/19/13 18:11	1
Indeno[1,2,3-cd]pyrene	279	J	730	37.0	ug/Kg	☼	06/18/13 11:00	06/19/13 18:11	1
Isophorone	<37.0		730	37.0	ug/Kg	☼	06/18/13 11:00	06/19/13 18:11	1
2-Methylnaphthalene	<68.8		730	68.8	ug/Kg	☼	06/18/13 11:00	06/19/13 18:11	1
2-Methylphenol	<73.0		730	73.0	ug/Kg	☼	06/18/13 11:00	06/19/13 18:11	1
3 & 4 Methylphenol	<111		1480	111	ug/Kg	☼	06/18/13 11:00	06/19/13 18:11	1
Naphthalene	<92.3		730	92.3	ug/Kg	☼	06/18/13 11:00	06/19/13 18:11	1
2-Nitroaniline	<49.1		730	49.1	ug/Kg	☼	06/18/13 11:00	06/19/13 18:11	1

TestAmerica Corpus Christi

Client Sample Results

Client: Edwards Aquifer Authority
Project/Site: Sludge Composite

TestAmerica Job ID: 560-40591-1

Client Sample ID: HSM 350

Lab Sample ID: 560-40591-4

Date Collected: 06/12/13 14:10

Matrix: Solid

Date Received: 06/13/13 08:35

Percent Solids: 45.1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	<111		730	111	ug/Kg	☼	06/18/13 11:00	06/19/13 18:11	1
4-Nitroaniline	<62.2		730	62.2	ug/Kg	☼	06/18/13 11:00	06/19/13 18:11	1
Nitrobenzene	<80.6		730	80.6	ug/Kg	☼	06/18/13 11:00	06/19/13 18:11	1
2-Nitrophenol	<37.6		730	37.6	ug/Kg	☼	06/18/13 11:00	06/19/13 18:11	1
4-Nitrophenol	<67.5		730	67.5	ug/Kg	☼	06/18/13 11:00	06/19/13 18:11	1
N-Nitrosodi-n-propylamine	<37.0		730	37.0	ug/Kg	☼	06/18/13 11:00	06/19/13 18:11	1
N-Nitrosodiphenylamine	<37.0		730	37.0	ug/Kg	☼	06/18/13 11:00	06/19/13 18:11	1
Pentachlorophenol	<221		730	221	ug/Kg	☼	06/18/13 11:00	06/19/13 18:11	1
Phenanthrene	248	J	730	37.0	ug/Kg	☼	06/18/13 11:00	06/19/13 18:11	1
Phenol	<37.0		730	37.0	ug/Kg	☼	06/18/13 11:00	06/19/13 18:11	1
Pyrene	929		730	37.0	ug/Kg	☼	06/18/13 11:00	06/19/13 18:11	1
1,2,4-Trichlorobenzene	<101		730	101	ug/Kg	☼	06/18/13 11:00	06/19/13 18:11	1
2,4,5-Trichlorophenol	<37.0		730	37.0	ug/Kg	☼	06/18/13 11:00	06/19/13 18:11	1
2,4,6-Trichlorophenol	<37.0		730	37.0	ug/Kg	☼	06/18/13 11:00	06/19/13 18:11	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	6740	T J	ug/Kg	☼	5.82		06/18/13 11:00	06/19/13 18:11	1
Ferruginol	1800	T J N	ug/Kg	☼	15.45	514-62-5	06/18/13 11:00	06/19/13 18:11	1
1-Octadecanethiol	1690	T J N	ug/Kg	☼	15.88	2885-00-9	06/18/13 11:00	06/19/13 18:11	1
1,2-Benzenedicarboxylic acid, isodecyl o	3140	T J N	ug/Kg	☼	17.27	1330-96-7	06/18/13 11:00	06/19/13 18:11	1
Dodecane, 4,6-dimethyl-	1640	T J N	ug/Kg	☼	17.46	61141-72-8	06/18/13 11:00	06/19/13 18:11	1
1,2-Benzenedicarboxylic acid, butyl decy	5580	T J N	ug/Kg	☼	17.67	89-19-0	06/18/13 11:00	06/19/13 18:11	1
Vitamin E	2660	T J N	ug/Kg	☼	18.96	59-02-9	06/18/13 11:00	06/19/13 18:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	75		57 - 130	06/18/13 11:00	06/19/13 18:11	1
2-Fluorophenol	70		48 - 130	06/18/13 11:00	06/19/13 18:11	1
Nitrobenzene-d5	65		48 - 130	06/18/13 11:00	06/19/13 18:11	1
Phenol-d5	77		56 - 130	06/18/13 11:00	06/19/13 18:11	1
Terphenyl-d14	66		58 - 130	06/18/13 11:00	06/19/13 18:11	1
2,4,6-Tribromophenol	89		30 - 131	06/18/13 11:00	06/19/13 18:11	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
delta-BHC	<0.204		3.68	0.204	ug/Kg	☼	06/17/13 10:11	06/27/13 18:04	1
4,4'-DDD	<0.193		7.15	0.193	ug/Kg	☼	06/17/13 10:11	06/27/13 18:04	1
4,4'-DDE	1.03	J	7.15	0.184	ug/Kg	☼	06/17/13 10:11	06/27/13 18:04	1
4,4'-DDT	<0.282		7.15	0.282	ug/Kg	☼	06/17/13 10:11	06/27/13 18:04	1
Aldrin	<0.104		3.68	0.104	ug/Kg	☼	06/17/13 10:11	06/27/13 18:04	1
alpha-BHC	<0.606		3.68	0.606	ug/Kg	☼	06/17/13 10:11	06/27/13 18:04	1
alpha-Chlordane	<0.123		3.68	0.123	ug/Kg	☼	06/17/13 10:11	06/27/13 18:04	1
beta-BHC	<0.154		3.68	0.154	ug/Kg	☼	06/17/13 10:11	06/27/13 18:04	1
Dieldrin	<0.0736		7.15	0.0736	ug/Kg	☼	06/17/13 10:11	06/27/13 18:04	1
Endosulfan I	<0.0758		3.68	0.0758	ug/Kg	☼	06/17/13 10:11	06/27/13 18:04	1
Endosulfan II	<0.184		7.15	0.184	ug/Kg	☼	06/17/13 10:11	06/27/13 18:04	1
Endosulfan sulfate	<0.346		7.15	0.346	ug/Kg	☼	06/17/13 10:11	06/27/13 18:04	1
Endrin	<0.195		7.15	0.195	ug/Kg	☼	06/17/13 10:11	06/27/13 18:04	1
Endrin aldehyde	<0.260		7.15	0.260	ug/Kg	☼	06/17/13 10:11	06/27/13 18:04	1
Endrin ketone	<0.260		7.15	0.260	ug/Kg	☼	06/17/13 10:11	06/27/13 18:04	1

TestAmerica Corpus Christi

Client Sample Results

Client: Edwards Aquifer Authority
Project/Site: Sludge Composite

TestAmerica Job ID: 560-40591-1

Client Sample ID: HSM 350

Lab Sample ID: 560-40591-4

Date Collected: 06/12/13 14:10

Matrix: Solid

Date Received: 06/13/13 08:35

Percent Solids: 45.1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-BHC (Lindane)	<0.0845		3.68	0.0845	ug/Kg	☆	06/17/13 10:11	06/27/13 18:04	1
gamma-Chlordane	0.264	J	3.68	0.182	ug/Kg	☆	06/17/13 10:11	06/27/13 18:04	1
Heptachlor	<0.260		3.68	0.260	ug/Kg	☆	06/17/13 10:11	06/27/13 18:04	1
Heptachlor epoxide	<0.123		3.68	0.123	ug/Kg	☆	06/17/13 10:11	06/27/13 18:04	1
Methoxychlor	<0.178		36.8	0.178	ug/Kg	☆	06/17/13 10:11	06/27/13 18:04	1
Toxaphene	<14.5		368	14.5	ug/Kg	☆	06/17/13 10:11	06/27/13 18:04	1
Chlordane (technical)	<5.41		36.8	5.41	ug/Kg	☆	06/17/13 10:11	06/27/13 18:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	12	p X	30 - 138	06/17/13 10:11	06/27/13 18:04	1
Tetrachloro-m-xylene	10	X	30 - 130	06/17/13 10:11	06/27/13 18:04	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	<0.0113		0.0729	0.0113	mg/Kg	☆	06/14/13 14:35	06/20/13 00:54	1
Aroclor 1221	<0.0113		0.0729	0.0113	mg/Kg	☆	06/14/13 14:35	06/20/13 00:54	1
Aroclor 1232	<0.0113		0.0729	0.0113	mg/Kg	☆	06/14/13 14:35	06/20/13 00:54	1
Aroclor 1242	<0.0113		0.0729	0.0113	mg/Kg	☆	06/14/13 14:35	06/20/13 00:54	1
Aroclor 1248	<0.0113		0.0729	0.0113	mg/Kg	☆	06/14/13 14:35	06/20/13 00:54	1
Aroclor 1254	<0.0113		0.0729	0.0113	mg/Kg	☆	06/14/13 14:35	06/20/13 00:54	1
Aroclor 1260	0.0938		0.0729	0.0113	mg/Kg	☆	06/14/13 14:35	06/20/13 00:54	1
Aroclor 1262	<0.0113		0.0729	0.0113	mg/Kg	☆	06/14/13 14:35	06/20/13 00:54	1
Aroclor 1268	<0.0113		0.0729	0.0113	mg/Kg	☆	06/14/13 14:35	06/20/13 00:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	86		57 - 138	06/14/13 14:35	06/20/13 00:54	1
Tetrachloro-m-xylene	92		32 - 132	06/14/13 14:35	06/20/13 00:54	1

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Azinphos-methyl	<32.5		143	32.5	ug/Kg	☆	06/17/13 10:11	06/27/13 01:58	1
Bolstar	<10.2		71.5	10.2	ug/Kg	☆	06/17/13 10:11	06/27/13 01:58	1
Chlorpyrifos	<14.7		71.5	14.7	ug/Kg	☆	06/17/13 10:11	06/27/13 01:58	1
Coumaphos	<47.6		715	47.6	ug/Kg	☆	06/17/13 10:11	06/27/13 01:58	1
Demeton-O	<5.63		180	5.63	ug/Kg	☆	06/17/13 10:11	06/27/13 01:58	1
Demeton-S	<12.1		180	12.1	ug/Kg	☆	06/17/13 10:11	06/27/13 01:58	1
Diazinon	<12.3		71.5	12.3	ug/Kg	☆	06/17/13 10:11	06/27/13 01:58	1
Dichlorvos	<13.9		143	13.9	ug/Kg	☆	06/17/13 10:11	06/27/13 01:58	1
Dimethoate	<19.1		143	19.1	ug/Kg	☆	06/17/13 10:11	06/27/13 01:58	1
Disulfoton	<34.6		143	34.6	ug/Kg	☆	06/17/13 10:11	06/27/13 01:58	1
EPN	<9.75		71.5	9.75	ug/Kg	☆	06/17/13 10:11	06/27/13 01:58	1
Famphur	<18.0		143	18.0	ug/Kg	☆	06/17/13 10:11	06/27/13 01:58	1
Fensulfothion	<26.0		715	26.0	ug/Kg	☆	06/17/13 10:11	06/27/13 01:58	1
Fenthion	<10.2		71.5	10.2	ug/Kg	☆	06/17/13 10:11	06/27/13 01:58	1
Malathion	<17.8		71.5	17.8	ug/Kg	☆	06/17/13 10:11	06/27/13 01:58	1
Merphos	<23.8		71.5	23.8	ug/Kg	☆	06/17/13 10:11	06/27/13 01:58	1
Methyl parathion	<11.7		36.8	11.7	ug/Kg	☆	06/17/13 10:11	06/27/13 01:58	1
Mevinphos	<9.96		143	9.96	ug/Kg	☆	06/17/13 10:11	06/27/13 01:58	1
Ethoprop	<9.10		36.8	9.10	ug/Kg	☆	06/17/13 10:11	06/27/13 01:58	1
Monochrotophos	<99.6		715	99.6	ug/Kg	☆	06/17/13 10:11	06/27/13 01:58	1

TestAmerica Corpus Christi

Client Sample Results

Client: Edwards Aquifer Authority
Project/Site: Sludge Composite

TestAmerica Job ID: 560-40591-1

Client Sample ID: HSM 350

Lab Sample ID: 560-40591-4

Date Collected: 06/12/13 14:10

Matrix: Solid

Date Received: 06/13/13 08:35

Percent Solids: 45.1

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naled	<47.6		715	47.6	ug/Kg	☼	06/17/13 10:11	06/27/13 01:58	1
Ethyl Parathion	<11.9		71.5	11.9	ug/Kg	☼	06/17/13 10:11	06/27/13 01:58	1
Phorate	<11.7		71.5	11.7	ug/Kg	☼	06/17/13 10:11	06/27/13 01:58	1
Ronnel	<9.10		71.5	9.10	ug/Kg	☼	06/17/13 10:11	06/27/13 01:58	1
Stirophos	<13.9		71.5	13.9	ug/Kg	☼	06/17/13 10:11	06/27/13 01:58	1
Sulfotepp	<18.6		36.8	18.6	ug/Kg	☼	06/17/13 10:11	06/27/13 01:58	1
Thionazin	<21.7		71.5	21.7	ug/Kg	☼	06/17/13 10:11	06/27/13 01:58	1
Tokuthion	<11.7		71.5	11.7	ug/Kg	☼	06/17/13 10:11	06/27/13 01:58	1
Trichloronate	<16.5		715	16.5	ug/Kg	☼	06/17/13 10:11	06/27/13 01:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Triphenylphosphate	29	X	35 - 134	06/17/13 10:11	06/27/13 01:58	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<11.0		18.3	11.0	ug/Kg	☼	06/18/13 08:26	06/20/13 01:05	1
Dalapon	<6.38		726	6.38	ug/Kg	☼	06/18/13 08:26	06/20/13 01:05	1
2,4-DB	<6.60		18.3	6.60	ug/Kg	☼	06/18/13 08:26	06/20/13 01:05	1
Dicamba	<4.18		18.3	4.18	ug/Kg	☼	06/18/13 08:26	06/20/13 01:05	1
Dichlorprop	<2.42		18.3	2.42	ug/Kg	☼	06/18/13 08:26	06/20/13 01:05	1
Dinoseb	<10.1		220	10.1	ug/Kg	☼	06/18/13 08:26	06/20/13 01:05	1
MCPA	<418		4400	418	ug/Kg	☼	06/18/13 08:26	06/20/13 01:05	1
Mecoprop	<374		4400	374	ug/Kg	☼	06/18/13 08:26	06/20/13 01:05	1
Pentachlorophenol	<0.924		18.3	0.924	ug/Kg	☼	06/18/13 08:26	06/20/13 01:05	1
Silvex (2,4,5-TP)	<3.52		18.3	3.52	ug/Kg	☼	06/18/13 08:26	06/20/13 01:05	1
2,4,5-T	<5.06		18.3	5.06	ug/Kg	☼	06/18/13 08:26	06/20/13 01:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCAA	65	p	35 - 137	06/18/13 08:26	06/20/13 01:05	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silicon	387		25.3	8.01	mg/Kg	☼	06/27/13 11:40	06/28/13 18:41	1

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	4470		3.58	1.72	mg/Kg	☼	06/26/13 09:20	06/26/13 18:22	1
Calcium	200000		716	395	mg/Kg	☼	06/26/13 09:20	06/27/13 16:15	20
Antimony	<0.138		0.358	0.138	mg/Kg	☼	06/26/13 09:20	06/27/13 14:53	1
Potassium	850		71.6	35.1	mg/Kg	☼	06/26/13 09:20	06/26/13 18:22	1
Arsenic	5.51		0.358	0.0714	mg/Kg	☼	06/26/13 09:20	06/26/13 18:22	1
Magnesium	2350		35.8	7.83	mg/Kg	☼	06/26/13 09:20	06/26/13 18:22	1
Barium	40.7		0.358	0.156	mg/Kg	☼	06/26/13 09:20	06/26/13 18:22	1
Sodium	169		71.6	40.2	mg/Kg	☼	06/26/13 09:20	06/26/13 18:22	1
Beryllium	0.571		0.358	0.125	mg/Kg	☼	06/26/13 09:20	06/26/13 18:22	1
Strontium	157		0.358	0.0874	mg/Kg	☼	06/26/13 09:20	06/26/13 18:22	1
Cadmium	0.410		0.358	0.103	mg/Kg	☼	06/26/13 09:20	06/26/13 18:22	1
Chromium	15.5		0.358	0.160	mg/Kg	☼	06/26/13 09:20	06/26/13 18:22	1
Copper	14.3		0.716	0.253	mg/Kg	☼	06/26/13 09:20	06/26/13 18:22	1
Iron	7010		35.8	7.91	mg/Kg	☼	06/26/13 09:20	06/26/13 18:22	1
Lead	57.0		0.716	0.293	mg/Kg	☼	06/26/13 09:20	06/26/13 18:22	1

TestAmerica Corpus Christi

Client Sample Results

Client: Edwards Aquifer Authority
Project/Site: Sludge Composite

TestAmerica Job ID: 560-40591-1

Client Sample ID: HSM 350

Lab Sample ID: 560-40591-4

Date Collected: 06/12/13 14:10

Matrix: Solid

Date Received: 06/13/13 08:35

Percent Solids: 45.1

Method: 6020 - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	122		3.58	0.863	mg/Kg	☼	06/26/13 09:20	06/26/13 18:22	1
Nickel	8.60		0.358	0.190	mg/Kg	☼	06/26/13 09:20	06/26/13 18:22	1
Selenium	1.57		0.358	0.0623	mg/Kg	☼	06/26/13 09:20	06/26/13 18:22	1
Silver	0.205	J	0.358	0.0982	mg/Kg	☼	06/26/13 09:20	06/26/13 18:22	1
Thallium	0.135	J	0.358	0.0986	mg/Kg	☼	06/26/13 09:20	06/26/13 18:22	1
Zinc	62.8		1.79	1.10	mg/Kg	☼	06/26/13 09:20	06/26/13 18:22	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0860	J	0.240	0.0216	mg/Kg	☼	06/19/13 10:00	06/19/13 15:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phosphorus	727		39.0	21.5	mg/Kg	☼	06/21/13 16:30	06/24/13 20:20	1
Total Organic Carbon	52100		3320	598	mg/Kg	☼		06/25/13 13:20	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.33		0.100	0.100	SU			06/19/13 15:15	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	35.6	J	44.3	4.65	mg/Kg	☼		07/02/13 22:19	2
Nitrate as N	9.97	J	22.2	2.46	mg/Kg	☼		07/02/13 22:19	2
Sulfate	897	B	44.3	38.3	mg/Kg	☼		07/02/13 22:19	2
Bromide	<2.73		44.3	2.73	mg/Kg	☼		07/02/13 22:19	2
Fluoride	2.37		2.22	0.443	mg/Kg	☼		06/24/13 11:30	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3	1770		277	277	mg/Kg	☼		06/21/13 15:00	1
Bicarbonate Alkalinity as CaCO3	1770		277	277	mg/Kg	☼		06/21/13 15:00	1
Carbonate Alkalinity as CaCO3	<277		277	277	mg/Kg	☼		06/21/13 15:00	1

QC Sample Results

Client: Edwards Aquifer Authority
Project/Site: Sludge Composite

TestAmerica Job ID: 560-40591-1

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

Lab Sample ID: MB 560-89098/8

Matrix: Solid

Analysis Batch: 89098

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<7.20		50.0	7.20	ug/Kg			06/14/13 11:44	1
Acetonitrile	<37.0		50.0	37.0	ug/Kg			06/14/13 11:44	1
Benzene	<0.230		5.00	0.230	ug/Kg			06/14/13 11:44	1
Benzyl chloride	<0.500		5.00	0.500	ug/Kg			06/14/13 11:44	1
Bromobenzene	<0.740		5.00	0.740	ug/Kg			06/14/13 11:44	1
Bromochloromethane	<0.900		5.00	0.900	ug/Kg			06/14/13 11:44	1
Bromoform	<0.510		5.00	0.510	ug/Kg			06/14/13 11:44	1
Bromomethane	<1.10		5.00	1.10	ug/Kg			06/14/13 11:44	1
1,3-Butadiene	<0.240		5.00	0.240	ug/Kg			06/14/13 11:44	1
2-Butanone (MEK)	<1.90		10.0	1.90	ug/Kg			06/14/13 11:44	1
Carbon disulfide	<1.00		5.00	1.00	ug/Kg			06/14/13 11:44	1
Carbon tetrachloride	<0.510		5.00	0.510	ug/Kg			06/14/13 11:44	1
Chlorobenzene	<0.230		5.00	0.230	ug/Kg			06/14/13 11:44	1
2-Chloro-1,3-butadiene	<0.690		5.00	0.690	ug/Kg			06/14/13 11:44	1
Chlorodibromomethane	<0.640		5.00	0.640	ug/Kg			06/14/13 11:44	1
Chloroethane	<0.260		5.00	0.260	ug/Kg			06/14/13 11:44	1
Chloroform	<0.870		5.00	0.870	ug/Kg			06/14/13 11:44	1
1-Chlorohexane	<0.550		5.00	0.550	ug/Kg			06/14/13 11:44	1
Chloromethane	<1.20		5.00	1.20	ug/Kg			06/14/13 11:44	1
3-Chloro-1-propene	<0.980		5.00	0.980	ug/Kg			06/14/13 11:44	1
2-Chlorotoluene	<0.220		5.00	0.220	ug/Kg			06/14/13 11:44	1
4-Chlorotoluene	<0.690		5.00	0.690	ug/Kg			06/14/13 11:44	1
cis-1,4-Dichloro-2-butene	<0.320		5.00	0.320	ug/Kg			06/14/13 11:44	1
cis-1,2-Dichloroethene	<0.570		5.00	0.570	ug/Kg			06/14/13 11:44	1
cis-1,3-Dichloropropene	<0.141		5.00	0.141	ug/Kg			06/14/13 11:44	1
Cyclohexane	<0.990		10.0	0.990	ug/Kg			06/14/13 11:44	1
Cyclohexanone	<10.0		100	10.0	ug/Kg			06/14/13 11:44	1
1,2-Dibromo-3-Chloropropane	<0.330		5.00	0.330	ug/Kg			06/14/13 11:44	1
Dibromomethane	<0.710		5.00	0.710	ug/Kg			06/14/13 11:44	1
1,2-Dichlorobenzene	<0.250		5.00	0.250	ug/Kg			06/14/13 11:44	1
1,3-Dichlorobenzene	<0.310		5.00	0.310	ug/Kg			06/14/13 11:44	1
1,4-Dichlorobenzene	<0.320		5.00	0.320	ug/Kg			06/14/13 11:44	1
Dichlorobromomethane	<0.190		5.00	0.190	ug/Kg			06/14/13 11:44	1
Dichlorodifluoromethane	<0.730		5.00	0.730	ug/Kg			06/14/13 11:44	1
1,1-Dichloroethane	<0.590		5.00	0.590	ug/Kg			06/14/13 11:44	1
1,2-Dichloroethane	<0.520		5.00	0.520	ug/Kg			06/14/13 11:44	1
1,1-Dichloroethene	<0.190		5.00	0.190	ug/Kg			06/14/13 11:44	1
1,2-Dichloroethene, Total	<0.500		5.00	0.500	ug/Kg			06/14/13 11:44	1
1,2-Dichloropropane	<0.150		5.00	0.150	ug/Kg			06/14/13 11:44	1
1,3-Dichloropropane	<0.240		5.00	0.240	ug/Kg			06/14/13 11:44	1
2,2-Dichloropropane	<0.840		5.00	0.840	ug/Kg			06/14/13 11:44	1
1,1-Dichloropropene	<0.520		5.00	0.520	ug/Kg			06/14/13 11:44	1
1,4-Dioxane	<19.0		100	19.0	ug/Kg			06/14/13 11:44	1
EDB	<0.170		5.00	0.170	ug/Kg			06/14/13 11:44	1
Ethyl acetate	<2.81		5.00	2.81	ug/Kg			06/14/13 11:44	1
Ethylbenzene	<0.450		5.00	0.450	ug/Kg			06/14/13 11:44	1
Ethylene oxide	<16.0		40.0	16.0	ug/Kg			06/14/13 11:44	1
Ethyl ether	<0.170		5.00	0.170	ug/Kg			06/14/13 11:44	1

TestAmerica Corpus Christi

QC Sample Results

Client: Edwards Aquifer Authority
Project/Site: Sludge Composite

TestAmerica Job ID: 560-40591-1

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

Lab Sample ID: MB 560-89098/8

Matrix: Solid

Analysis Batch: 89098

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethyl methacrylate	<0.510		5.00	0.510	ug/Kg			06/14/13 11:44	1
Hexachlorobutadiene	<0.640		5.00	0.640	ug/Kg			06/14/13 11:44	1
Hexane	<1.30		5.00	1.30	ug/Kg			06/14/13 11:44	1
2-Hexanone	<1.50		10.0	1.50	ug/Kg			06/14/13 11:44	1
Iodomethane	<0.800		5.00	0.800	ug/Kg			06/14/13 11:44	1
Isobutyl alcohol	<68.0		100	68.0	ug/Kg			06/14/13 11:44	1
Isooctane	<0.160		5.00	0.160	ug/Kg			06/14/13 11:44	1
Isopropylbenzene	<0.140		5.00	0.140	ug/Kg			06/14/13 11:44	1
4-Isopropyltoluene	<0.395		5.00	0.395	ug/Kg			06/14/13 11:44	1
Methacrylonitrile	<2.40		50.0	2.40	ug/Kg			06/14/13 11:44	1
Methylene Chloride	<5.00		25.0	5.00	ug/Kg			06/14/13 11:44	1
Methyl methacrylate	<1.10		5.00	1.10	ug/Kg			06/14/13 11:44	1
4-Methyl-2-pentanone (MIBK)	<1.50		10.0	1.50	ug/Kg			06/14/13 11:44	1
Methyl tert-butyl ether	<0.610		5.00	0.610	ug/Kg			06/14/13 11:44	1
m-Xylene & p-Xylene	<0.500		10.0	0.500	ug/Kg			06/14/13 11:44	1
Naphthalene	<1.20		10.0	1.20	ug/Kg			06/14/13 11:44	1
n-Butylbenzene	<0.270		5.00	0.270	ug/Kg			06/14/13 11:44	1
n-Heptane	<0.530		5.00	0.530	ug/Kg			06/14/13 11:44	1
2-Nitropropane	<0.520		5.00	0.520	ug/Kg			06/14/13 11:44	1
N-Propylbenzene	<0.210		5.00	0.210	ug/Kg			06/14/13 11:44	1
1-Octene	<0.500		5.00	0.500	ug/Kg			06/14/13 11:44	1
o-Xylene	<0.220		5.00	0.220	ug/Kg			06/14/13 11:44	1
Pentachloroethane	<1.40		5.00	1.40	ug/Kg			06/14/13 11:44	1
Propionitrile	<4.90		50.0	4.90	ug/Kg			06/14/13 11:44	1
sec-Butylbenzene	<0.200		5.00	0.200	ug/Kg			06/14/13 11:44	1
Styrene	<0.200		5.00	0.200	ug/Kg			06/14/13 11:44	1
tert-Butylbenzene	<0.250		5.00	0.250	ug/Kg			06/14/13 11:44	1
1,1,1,2-Tetrachloroethane	<0.270		5.00	0.270	ug/Kg			06/14/13 11:44	1
1,1,2,2-Tetrachloroethane	<0.380		5.00	0.380	ug/Kg			06/14/13 11:44	1
Tetrachloroethene	<0.740		5.00	0.740	ug/Kg			06/14/13 11:44	1
Toluene	<0.900		5.00	0.900	ug/Kg			06/14/13 11:44	1
trans-1,4-Dichloro-2-butene	<0.880		5.00	0.880	ug/Kg			06/14/13 11:44	1
trans-1,2-Dichloroethene	<0.500		5.00	0.500	ug/Kg			06/14/13 11:44	1
trans-1,3-Dichloropropene	<0.520		5.00	0.520	ug/Kg			06/14/13 11:44	1
1,2,3-Trichlorobenzene	<0.440		5.00	0.440	ug/Kg			06/14/13 11:44	1
1,2,4-Trichlorobenzene	<0.970		5.00	0.970	ug/Kg			06/14/13 11:44	1
1,3,5-Trichlorobenzene	<0.310		5.00	0.310	ug/Kg			06/14/13 11:44	1
1,1,1-Trichloroethane	<0.700		5.00	0.700	ug/Kg			06/14/13 11:44	1
1,1,2-Trichloroethane	<0.500		5.00	0.500	ug/Kg			06/14/13 11:44	1
Trichloroethene	<0.280		5.00	0.280	ug/Kg			06/14/13 11:44	1
Trichlorofluoromethane	<0.500		5.00	0.500	ug/Kg			06/14/13 11:44	1
1,2,3-Trichloropropane	<0.760		5.00	0.760	ug/Kg			06/14/13 11:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.670		5.00	0.670	ug/Kg			06/14/13 11:44	1
1,2,4-Trimethylbenzene	<0.380		5.00	0.380	ug/Kg			06/14/13 11:44	1
1,3,5-Trimethylbenzene	<0.350		5.00	0.350	ug/Kg			06/14/13 11:44	1
Vinyl acetate	<1.10		5.00	1.10	ug/Kg			06/14/13 11:44	1
Vinyl chloride	<0.600		5.00	0.600	ug/Kg			06/14/13 11:44	1
Xylenes, Total	<0.500		15.0	0.500	ug/Kg			06/14/13 11:44	1

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QC Sample Results

Client: Edwards Aquifer Authority
Project/Site: Sludge Composite

TestAmerica Job ID: 560-40591-1

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

Lab Sample ID: MB 560-89098/8

Matrix: Solid

Analysis Batch: 89098

Client Sample ID: Method Blank

Prep Type: Total/NA

<i>Tentatively Identified Compound</i>	<i>Est. Result</i>	<i>Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>RT</i>	<i>CAS No.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Tentatively Identified Compound</i>	<i>None</i>		<i>ug/Kg</i>					<i>06/14/13 11:44</i>	<i>1</i>
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
4-Bromofluorobenzene (Surr)	98		61 - 136					06/14/13 11:44	1
Dibromofluoromethane (Surr)	97		50 - 136					06/14/13 11:44	1
1,2-Dichloroethane-d4 (Surr)	113		65 - 152					06/14/13 11:44	1
Toluene-d8 (Surr)	98		65 - 139					06/14/13 11:44	1

Lab Sample ID: LCS 560-89098/3

Matrix: Solid

Analysis Batch: 89098

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

<i>Analyte</i>	<i>Spike Added</i>	<i>LCS Result</i>	<i>LCS Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec. Limits</i>
Acetone	50.0	60.22		ug/Kg		121	31 - 172
Acetonitrile	500	529.6		ug/Kg		106	10 - 200
Benzene	50.0	46.30		ug/Kg		93	70 - 130
Benzyl chloride	50.0	41.38		ug/Kg		83	59 - 145
Bromobenzene	50.0	47.64		ug/Kg		95	70 - 130
Bromochloromethane	50.0	46.61		ug/Kg		93	70 - 130
Bromoform	50.0	44.59		ug/Kg		89	55 - 141
Bromomethane	50.0	41.22		ug/Kg		82	35 - 148
1,3-Butadiene	50.0	42.53		ug/Kg		85	18 - 150
2-Butanone (MEK)	50.0	53.17		ug/Kg		106	43 - 149
Carbon disulfide	50.0	47.57		ug/Kg		95	69 - 154
Carbon tetrachloride	50.0	52.26		ug/Kg		105	70 - 130
Chlorobenzene	50.0	48.88		ug/Kg		98	70 - 130
2-Chloro-1,3-butadiene	50.1	49.53		ug/Kg		99	66 - 133
Chlorodibromomethane	50.0	49.86		ug/Kg		100	70 - 137
Chloroethane	50.0	43.82		ug/Kg		88	42 - 147
Chloroform	50.0	46.56		ug/Kg		93	70 - 130
1-Chlorohexane	50.0	49.08		ug/Kg		98	62 - 130
Chloromethane	50.0	38.46		ug/Kg		77	46 - 140
3-Chloro-1-propene	50.0	46.76		ug/Kg		94	68 - 135
2-Chlorotoluene	50.0	49.03		ug/Kg		98	70 - 130
4-Chlorotoluene	50.0	48.56		ug/Kg		97	70 - 130
cis-1,4-Dichloro-2-butene	50.0	48.61		ug/Kg		97	52 - 154
cis-1,2-Dichloroethene	50.0	46.06		ug/Kg		92	69 - 130
cis-1,3-Dichloropropene	50.0	49.91		ug/Kg		100	64 - 135
Cyclohexane	100	92.85		ug/Kg		93	54 - 130
Cyclohexanone	250	269.7		ug/Kg		108	10 - 200
1,2-Dibromo-3-Chloropropane	50.0	41.45		ug/Kg		83	49 - 150
Dibromomethane	50.0	45.73		ug/Kg		91	70 - 130
1,2-Dichlorobenzene	50.0	45.44		ug/Kg		91	70 - 130
1,3-Dichlorobenzene	50.0	47.88		ug/Kg		96	70 - 130
1,4-Dichlorobenzene	50.0	46.39		ug/Kg		93	70 - 130
Dichlorobromomethane	50.0	48.68		ug/Kg		97	70 - 130
Dichlorodifluoromethane	50.0	50.08		ug/Kg		100	16 - 154

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QC Sample Results

Client: Edwards Aquifer Authority
Project/Site: Sludge Composite

TestAmerica Job ID: 560-40591-1

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

Lab Sample ID: LCS 560-89098/3

Matrix: Solid

Analysis Batch: 89098

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	50.0	46.24		ug/Kg		92	70 - 130
1,2-Dichloroethane	50.0	46.82		ug/Kg		94	70 - 130
1,1-Dichloroethene	50.0	48.17		ug/Kg		96	66 - 130
1,2-Dichloroethene, Total	100	92.80		ug/Kg		93	70 - 130
1,2-Dichloropropane	50.0	46.77		ug/Kg		94	70 - 130
1,3-Dichloropropane	50.0	48.98		ug/Kg		98	70 - 130
2,2-Dichloropropane	50.0	47.99		ug/Kg		96	66 - 135
1,1-Dichloropropene	50.0	48.80		ug/Kg		98	70 - 130
1,4-Dioxane	1000	893.1		ug/Kg		89	24 - 172
EDB	50.0	49.00		ug/Kg		98	70 - 131
Ethyl acetate	50.0	46.32		ug/Kg		93	46 - 164
Ethylbenzene	50.0	48.43		ug/Kg		97	70 - 130
Ethylene oxide	200	131.0		ug/Kg		66	10 - 190
Ethyl ether	50.0	42.52		ug/Kg		85	62 - 130
Ethyl methacrylate	50.0	50.37		ug/Kg		101	61 - 151
Hexachlorobutadiene	50.0	44.51		ug/Kg		89	56 - 140
Hexane	50.0	45.99		ug/Kg		92	61 - 144
2-Hexanone	50.0	51.98		ug/Kg		104	37 - 170
Iodomethane	50.0	47.34		ug/Kg		95	70 - 147
Isobutyl alcohol	1000	938.3		ug/Kg		94	26 - 169
Isooctane	50.0	48.72		ug/Kg		97	62 - 135
Isopropylbenzene	50.0	49.93		ug/Kg		100	70 - 130
4-Isopropyltoluene	50.0	50.96		ug/Kg		102	70 - 130
Methacrylonitrile	500	455.6		ug/Kg		91	61 - 140
Methylene Chloride	50.0	41.24		ug/Kg		82	65 - 135
Methyl methacrylate	50.0	50.33		ug/Kg		101	56 - 139
4-Methyl-2-pentanone (MIBK)	49.5	46.65		ug/Kg		94	42 - 159
Methyl tert-butyl ether	50.0	44.93		ug/Kg		90	55 - 144
m-Xylene & p-Xylene	100	98.27		ug/Kg		98	70 - 130
Naphthalene	50.0	35.96		ug/Kg		72	58 - 151
n-Butylbenzene	50.0	49.84		ug/Kg		100	70 - 135
n-Heptane	50.1	48.40		ug/Kg		97	46 - 147
2-Nitropropane	50.0	46.78		ug/Kg		94	32 - 158
N-Propylbenzene	50.0	50.06		ug/Kg		100	70 - 130
1-Octene	50.0	50.87		ug/Kg		102	44 - 156
o-Xylene	50.0	47.48		ug/Kg		95	70 - 130
Pentachloroethane	50.0	52.08		ug/Kg		104	58 - 133
Propionitrile	500	449.3		ug/Kg		90	39 - 164
sec-Butylbenzene	50.0	51.16		ug/Kg		102	70 - 130
Styrene	50.0	48.88		ug/Kg		98	67 - 137
tert-Butylbenzene	50.0	51.70		ug/Kg		103	70 - 130
1,1,1,2-Tetrachloroethane	50.0	47.14		ug/Kg		94	70 - 130
1,1,2,2-Tetrachloroethane	50.0	47.20		ug/Kg		94	69 - 130
Tetrachloroethene	50.0	49.70		ug/Kg		99	66 - 137
Toluene	50.0	48.03		ug/Kg		96	70 - 130
trans-1,4-Dichloro-2-butene	50.0	51.02		ug/Kg		102	50 - 142
trans-1,2-Dichloroethene	50.0	46.73		ug/Kg		93	69 - 130
trans-1,3-Dichloropropene	50.0	49.43		ug/Kg		99	62 - 132

TestAmerica Corpus Christi

QC Sample Results

Client: Edwards Aquifer Authority
Project/Site: Sludge Composite

TestAmerica Job ID: 560-40591-1

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

Lab Sample ID: LCS 560-89098/3

Matrix: Solid

Analysis Batch: 89098

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,3-Trichlorobenzene	50.0	36.49		ug/Kg		73	58 - 146
1,2,4-Trichlorobenzene	50.0	39.87		ug/Kg		80	61 - 142
1,3,5-Trichlorobenzene	50.0	43.37		ug/Kg		87	65 - 136
1,1,1-Trichloroethane	50.0	51.02		ug/Kg		102	70 - 130
1,1,2-Trichloroethane	50.0	48.69		ug/Kg		97	70 - 130
Trichloroethene	50.0	47.80		ug/Kg		96	70 - 135
Trichlorofluoromethane	50.0	51.84		ug/Kg		104	61 - 130
1,2,3-Trichloropropane	50.0	47.14		ug/Kg		94	70 - 142
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	50.54		ug/Kg		101	51 - 130
1,2,4-Trimethylbenzene	50.0	49.61		ug/Kg		99	70 - 130
1,3,5-Trimethylbenzene	50.0	50.80		ug/Kg		102	70 - 130
Vinyl acetate	50.0	45.49		ug/Kg		91	56 - 175
Vinyl chloride	50.0	43.69		ug/Kg		87	50 - 140
Xylenes, Total	150	145.7		ug/Kg		97	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		61 - 136
Dibromofluoromethane (Surr)	98		50 - 136
1,2-Dichloroethane-d4 (Surr)	99		65 - 152
Toluene-d8 (Surr)	99		65 - 139

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 560-89256/1-A

Matrix: Solid

Analysis Batch: 89283

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 89256

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<16.7		330	16.7	ug/Kg		06/18/13 11:00	06/19/13 10:54	1
Acenaphthylene	<16.7		330	16.7	ug/Kg		06/18/13 11:00	06/19/13 10:54	1
Anthracene	<16.7		330	16.7	ug/Kg		06/18/13 11:00	06/19/13 10:54	1
Benzo[a]anthracene	<16.7		330	16.7	ug/Kg		06/18/13 11:00	06/19/13 10:54	1
Benzo[a]pyrene	<16.7		330	16.7	ug/Kg		06/18/13 11:00	06/19/13 10:54	1
Benzo[b]fluoranthene	<16.7		330	16.7	ug/Kg		06/18/13 11:00	06/19/13 10:54	1
Benzo[g,h,i]perylene	<16.7		330	16.7	ug/Kg		06/18/13 11:00	06/19/13 10:54	1
Benzo[k]fluoranthene	<16.7		330	16.7	ug/Kg		06/18/13 11:00	06/19/13 10:54	1
Benzyl alcohol	<24.5		330	24.5	ug/Kg		06/18/13 11:00	06/19/13 10:54	1
Bis(2-chloroethoxy)methane	<16.7		330	16.7	ug/Kg		06/18/13 11:00	06/19/13 10:54	1
Bis(2-chloroethyl)ether	<37.4		330	37.4	ug/Kg		06/18/13 11:00	06/19/13 10:54	1
Bis(2-ethylhexyl) phthalate	<16.7		330	16.7	ug/Kg		06/18/13 11:00	06/19/13 10:54	1
4-Bromophenyl phenyl ether	<16.7		330	16.7	ug/Kg		06/18/13 11:00	06/19/13 10:54	1
Butyl benzyl phthalate	<16.7		330	16.7	ug/Kg		06/18/13 11:00	06/19/13 10:54	1
4-Chloroaniline	<46.6		330	46.6	ug/Kg		06/18/13 11:00	06/19/13 10:54	1
4-Chloro-3-methylphenol	<16.7		330	16.7	ug/Kg		06/18/13 11:00	06/19/13 10:54	1
2-Chloronaphthalene	<16.7		330	16.7	ug/Kg		06/18/13 11:00	06/19/13 10:54	1
2-Chlorophenol	<27.8		330	27.8	ug/Kg		06/18/13 11:00	06/19/13 10:54	1
4-Chlorophenyl phenyl ether	<16.7		330	16.7	ug/Kg		06/18/13 11:00	06/19/13 10:54	1

TestAmerica Corpus Christi

QC Sample Results

Client: Edwards Aquifer Authority
Project/Site: Sludge Composite

TestAmerica Job ID: 560-40591-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 560-89256/1-A

Matrix: Solid

Analysis Batch: 89283

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 89256

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	<16.7		330	16.7	ug/Kg		06/18/13 11:00	06/19/13 10:54	1
Dibenz(a,h)anthracene	<16.7		330	16.7	ug/Kg		06/18/13 11:00	06/19/13 10:54	1
Dibenzofuran	<16.7		330	16.7	ug/Kg		06/18/13 11:00	06/19/13 10:54	1
1,2-Dichlorobenzene	<52.1		330	52.1	ug/Kg		06/18/13 11:00	06/19/13 10:54	1
1,3-Dichlorobenzene	<43.8		330	43.8	ug/Kg		06/18/13 11:00	06/19/13 10:54	1
1,4-Dichlorobenzene	<45.8		330	45.8	ug/Kg		06/18/13 11:00	06/19/13 10:54	1
3,3'-Dichlorobenzidine	<50.0		330	50.0	ug/Kg		06/18/13 11:00	06/19/13 10:54	1
2,4-Dichlorophenol	<22.8		330	22.8	ug/Kg		06/18/13 11:00	06/19/13 10:54	1
Diethyl phthalate	<16.7		330	16.7	ug/Kg		06/18/13 11:00	06/19/13 10:54	1
2,4-Dimethylphenol	<20.4		330	20.4	ug/Kg		06/18/13 11:00	06/19/13 10:54	1
Dimethyl phthalate	<16.7		330	16.7	ug/Kg		06/18/13 11:00	06/19/13 10:54	1
Di-n-butyl phthalate	<16.7		330	16.7	ug/Kg		06/18/13 11:00	06/19/13 10:54	1
4,6-Dinitro-2-methylphenol	<50.0		330	50.0	ug/Kg		06/18/13 11:00	06/19/13 10:54	1
2,4-Dinitrophenol	<99.9		330	99.9	ug/Kg		06/18/13 11:00	06/19/13 10:54	1
2,4-Dinitrotoluene	<21.1		330	21.1	ug/Kg		06/18/13 11:00	06/19/13 10:54	1
2,6-Dinitrotoluene	<50.0		330	50.0	ug/Kg		06/18/13 11:00	06/19/13 10:54	1
Di-n-octyl phthalate	<18.7		330	18.7	ug/Kg		06/18/13 11:00	06/19/13 10:54	1
Fluoranthene	<16.7		330	16.7	ug/Kg		06/18/13 11:00	06/19/13 10:54	1
Fluorene	<16.7		330	16.7	ug/Kg		06/18/13 11:00	06/19/13 10:54	1
Hexachlorobenzene	<16.7		330	16.7	ug/Kg		06/18/13 11:00	06/19/13 10:54	1
Hexachlorobutadiene	<44.7		330	44.7	ug/Kg		06/18/13 11:00	06/19/13 10:54	1
Hexachlorocyclopentadiene	<99.9		330	99.9	ug/Kg		06/18/13 11:00	06/19/13 10:54	1
Hexachloroethane	<50.1		330	50.1	ug/Kg		06/18/13 11:00	06/19/13 10:54	1
Indeno[1,2,3-cd]pyrene	<16.7		330	16.7	ug/Kg		06/18/13 11:00	06/19/13 10:54	1
Isophorone	<16.7		330	16.7	ug/Kg		06/18/13 11:00	06/19/13 10:54	1
2-Methylnaphthalene	<31.1		330	31.1	ug/Kg		06/18/13 11:00	06/19/13 10:54	1
2-Methylphenol	<33.0		330	33.0	ug/Kg		06/18/13 11:00	06/19/13 10:54	1
3 & 4 Methylphenol	<50.0		670	50.0	ug/Kg		06/18/13 11:00	06/19/13 10:54	1
Naphthalene	<41.7		330	41.7	ug/Kg		06/18/13 11:00	06/19/13 10:54	1
2-Nitroaniline	<22.2		330	22.2	ug/Kg		06/18/13 11:00	06/19/13 10:54	1
3-Nitroaniline	<50.0		330	50.0	ug/Kg		06/18/13 11:00	06/19/13 10:54	1
4-Nitroaniline	<28.1		330	28.1	ug/Kg		06/18/13 11:00	06/19/13 10:54	1
Nitrobenzene	<36.4		330	36.4	ug/Kg		06/18/13 11:00	06/19/13 10:54	1
2-Nitrophenol	<17.0		330	17.0	ug/Kg		06/18/13 11:00	06/19/13 10:54	1
4-Nitrophenol	<30.5		330	30.5	ug/Kg		06/18/13 11:00	06/19/13 10:54	1
N-Nitrosodi-n-propylamine	<16.7		330	16.7	ug/Kg		06/18/13 11:00	06/19/13 10:54	1
N-Nitrosodiphenylamine	<16.7		330	16.7	ug/Kg		06/18/13 11:00	06/19/13 10:54	1
Pentachlorophenol	<99.9		330	99.9	ug/Kg		06/18/13 11:00	06/19/13 10:54	1
Phenanthrene	<16.7		330	16.7	ug/Kg		06/18/13 11:00	06/19/13 10:54	1
Phenol	<16.7		330	16.7	ug/Kg		06/18/13 11:00	06/19/13 10:54	1
Pyrene	<16.7		330	16.7	ug/Kg		06/18/13 11:00	06/19/13 10:54	1
1,2,4-Trichlorobenzene	<45.7		330	45.7	ug/Kg		06/18/13 11:00	06/19/13 10:54	1
2,4,5-Trichlorophenol	<16.7		330	16.7	ug/Kg		06/18/13 11:00	06/19/13 10:54	1
2,4,6-Trichlorophenol	<16.7		330	16.7	ug/Kg		06/18/13 11:00	06/19/13 10:54	1

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg				06/18/13 11:00	06/19/13 10:54	1

TestAmerica Corpus Christi

QC Sample Results

Client: Edwards Aquifer Authority
Project/Site: Sludge Composite

TestAmerica Job ID: 560-40591-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 560-89256/1-A

Matrix: Solid

Analysis Batch: 89283

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 89256

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	81		57 - 130	06/18/13 11:00	06/19/13 10:54	1
2-Fluorophenol	89		48 - 130	06/18/13 11:00	06/19/13 10:54	1
Nitrobenzene-d5	82		48 - 130	06/18/13 11:00	06/19/13 10:54	1
Phenol-d5	88		56 - 130	06/18/13 11:00	06/19/13 10:54	1
Terphenyl-d14	72		58 - 130	06/18/13 11:00	06/19/13 10:54	1
2,4,6-Tribromophenol	89		30 - 131	06/18/13 11:00	06/19/13 10:54	1

Lab Sample ID: LCS 560-89256/2-A

Matrix: Solid

Analysis Batch: 89283

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 89256

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	3320	2945		ug/Kg		89	70 - 130
Acenaphthylene	3320	3001		ug/Kg		90	70 - 130
Anthracene	3320	3200		ug/Kg		96	70 - 130
Benzo[a]anthracene	3320	3283		ug/Kg		99	70 - 130
Benzo[a]pyrene	3320	3248		ug/Kg		98	70 - 130
Benzo[b]fluoranthene	3320	3643		ug/Kg		110	70 - 130
Benzo[g,h,i]perylene	3320	3240		ug/Kg		97	70 - 130
Benzo[k]fluoranthene	3320	3280		ug/Kg		99	70 - 130
Benzyl alcohol	3320	2634		ug/Kg		79	64 - 130
Bis(2-chloroethoxy)methane	3320	2759		ug/Kg		83	68 - 130
Bis(2-chloroethyl)ether	3320	2665		ug/Kg		80	61 - 130
Bis(2-ethylhexyl) phthalate	3320	3676		ug/Kg		111	70 - 130
4-Bromophenyl phenyl ether	3320	3176		ug/Kg		96	70 - 130
Butyl benzyl phthalate	3320	3379		ug/Kg		102	70 - 130
4-Chloroaniline	3320	1635		ug/Kg		49	34 - 130
4-Chloro-3-methylphenol	3320	3030		ug/Kg		91	70 - 130
2-Chloronaphthalene	3320	2901		ug/Kg		87	69 - 130
2-Chlorophenol	3320	2640		ug/Kg		79	64 - 130
4-Chlorophenyl phenyl ether	3320	3101		ug/Kg		93	70 - 130
Chrysene	3320	3359		ug/Kg		101	70 - 130
Dibenz(a,h)anthracene	3320	3339		ug/Kg		100	70 - 130
Dibenzofuran	3320	2691		ug/Kg		81	70 - 130
1,2-Dichlorobenzene	3320	2459		ug/Kg		74	59 - 130
1,3-Dichlorobenzene	3320	2446		ug/Kg		74	60 - 130
1,4-Dichlorobenzene	3320	2522		ug/Kg		76	62 - 130
3,3'-Dichlorobenzidine	4990	3684		ug/Kg		74	41 - 130
2,4-Dichlorophenol	3320	2797		ug/Kg		84	70 - 130
Diethyl phthalate	3320	3108		ug/Kg		94	70 - 130
2,4-Dimethylphenol	3320	3039		ug/Kg		91	70 - 130
Dimethyl phthalate	3320	3177		ug/Kg		96	70 - 130
Di-n-butyl phthalate	3320	3467		ug/Kg		104	70 - 130
4,6-Dinitro-2-methylphenol	3320	2252		ug/Kg		68	66 - 130
2,4-Dinitrophenol	3320	2044		ug/Kg		62	54 - 130
2,4-Dinitrotoluene	3320	3242		ug/Kg		98	70 - 130
2,6-Dinitrotoluene	3320	3119		ug/Kg		94	70 - 130
Di-n-octyl phthalate	3320	3424		ug/Kg		103	70 - 130

TestAmerica Corpus Christi

QC Sample Results

Client: Edwards Aquifer Authority
Project/Site: Sludge Composite

TestAmerica Job ID: 560-40591-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 560-89256/2-A

Matrix: Solid

Analysis Batch: 89283

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 89256

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluoranthene	3320	3429		ug/Kg		103	70 - 130
Fluorene	3320	3128		ug/Kg		94	70 - 130
Hexachlorobenzene	3320	3195		ug/Kg		96	70 - 130
Hexachlorobutadiene	3320	2656		ug/Kg		80	65 - 130
Hexachlorocyclopentadiene	3320	2598		ug/Kg		78	43 - 130
Hexachloroethane	3320	2521		ug/Kg		76	59 - 130
Indeno[1,2,3-cd]pyrene	3320	3329		ug/Kg		100	70 - 130
Isophorone	3320	2630		ug/Kg		79	65 - 130
2-Methylnaphthalene	3320	2659		ug/Kg		80	70 - 130
2-Methylphenol	3320	2621		ug/Kg		79	66 - 130
3 & 4 Methylphenol	6650	5729		ug/Kg		86	63 - 130
Naphthalene	3320	2644		ug/Kg		80	70 - 130
2-Nitroaniline	3320	3509		ug/Kg		106	65 - 142
3-Nitroaniline	3320	2228		ug/Kg		67	44 - 130
4-Nitroaniline	3320	3150		ug/Kg		95	70 - 130
Nitrobenzene	3320	2750		ug/Kg		83	62 - 130
2-Nitrophenol	3320	2742		ug/Kg		83	69 - 130
4-Nitrophenol	3320	3256		ug/Kg		98	62 - 131
N-Nitrosodi-n-propylamine	3320	2695		ug/Kg		81	58 - 130
N-Nitrosodiphenylamine	3320	3799		ug/Kg		114	70 - 130
Pentachlorophenol	3320	3126		ug/Kg		94	51 - 130
Phenanthrene	3320	3238		ug/Kg		97	70 - 130
Phenol	3320	2747		ug/Kg		83	67 - 130
Pyrene	3320	3332		ug/Kg		100	70 - 130
1,2,4-Trichlorobenzene	3320	2615		ug/Kg		79	66 - 130
2,4,5-Trichlorophenol	3320	3292		ug/Kg		99	70 - 130
2,4,6-Trichlorophenol	3320	3131		ug/Kg		94	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl	83		57 - 130
2-Fluorophenol	84		48 - 130
Nitrobenzene-d5	81		48 - 130
Phenol-d5	83		56 - 130
Terphenyl-d14	70		58 - 130
2,4,6-Tribromophenol	100		30 - 131

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 640-102470/1-A

Matrix: Solid

Analysis Batch: 102787

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 102470

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
delta-BHC	<0.0923		1.67	0.0923	ug/Kg		06/17/13 10:11	06/27/13 13:05	1
4,4'-DDD	<0.0874		3.24	0.0874	ug/Kg		06/17/13 10:11	06/27/13 13:05	1
4,4'-DDE	<0.0835		3.24	0.0835	ug/Kg		06/17/13 10:11	06/27/13 13:05	1
4,4'-DDT	<0.128		3.24	0.128	ug/Kg		06/17/13 10:11	06/27/13 13:05	1
Aldrin	<0.0472		1.67	0.0472	ug/Kg		06/17/13 10:11	06/27/13 13:05	1

TestAmerica Corpus Christi

QC Sample Results

Client: Edwards Aquifer Authority
Project/Site: Sludge Composite

TestAmerica Job ID: 560-40591-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 640-102470/1-A

Matrix: Solid

Analysis Batch: 102787

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 102470

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	<0.275		1.67	0.275	ug/Kg		06/17/13 10:11	06/27/13 13:05	1
alpha-Chlordane	<0.0560		1.67	0.0560	ug/Kg		06/17/13 10:11	06/27/13 13:05	1
beta-BHC	<0.0697		1.67	0.0697	ug/Kg		06/17/13 10:11	06/27/13 13:05	1
Dieldrin	<0.0334		3.24	0.0334	ug/Kg		06/17/13 10:11	06/27/13 13:05	1
Endosulfan I	<0.0344		1.67	0.0344	ug/Kg		06/17/13 10:11	06/27/13 13:05	1
Endosulfan II	<0.0835		3.24	0.0835	ug/Kg		06/17/13 10:11	06/27/13 13:05	1
Endosulfan sulfate	<0.157		3.24	0.157	ug/Kg		06/17/13 10:11	06/27/13 13:05	1
Endrin	<0.0884		3.24	0.0884	ug/Kg		06/17/13 10:11	06/27/13 13:05	1
Endrin aldehyde	<0.118		3.24	0.118	ug/Kg		06/17/13 10:11	06/27/13 13:05	1
Endrin ketone	<0.118		3.24	0.118	ug/Kg		06/17/13 10:11	06/27/13 13:05	1
gamma-BHC (Lindane)	<0.0383		1.67	0.0383	ug/Kg		06/17/13 10:11	06/27/13 13:05	1
gamma-Chlordane	<0.0825		1.67	0.0825	ug/Kg		06/17/13 10:11	06/27/13 13:05	1
Heptachlor	<0.118		1.67	0.118	ug/Kg		06/17/13 10:11	06/27/13 13:05	1
Heptachlor epoxide	<0.0560		1.67	0.0560	ug/Kg		06/17/13 10:11	06/27/13 13:05	1
Methoxychlor	<0.0806		16.7	0.0806	ug/Kg		06/17/13 10:11	06/27/13 13:05	1
Toxaphene	<6.58		167	6.58	ug/Kg		06/17/13 10:11	06/27/13 13:05	1
Chlordane (technical)	<2.46		16.7	2.46	ug/Kg		06/17/13 10:11	06/27/13 13:05	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	65		30 - 138	06/17/13 10:11	06/27/13 13:05	1
Tetrachloro-m-xylene	44		30 - 130	06/17/13 10:11	06/27/13 13:05	1

Lab Sample ID: LCS 640-102470/15-A

Matrix: Solid

Analysis Batch: 102787

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 102470

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
delta-BHC	656	331.0		ug/Kg		50	43 - 130
4,4'-DDD	656	350.2		ug/Kg		53	45 - 130
4,4'-DDE	656	368.1		ug/Kg		56	48 - 130
4,4'-DDT	656	366.0		ug/Kg		56	37 - 116
Aldrin	656	308.8		ug/Kg		47	20 - 100
alpha-BHC	656	297.4		ug/Kg		45	32 - 130
alpha-Chlordane	656	358.3		ug/Kg		55	48 - 130
beta-BHC	656	326.6		ug/Kg		50	45 - 138
Dieldrin	656	386.0		ug/Kg		59	20 - 121
Endosulfan I	656	381.1		ug/Kg		58	42 - 130
Endosulfan II	656	368.5		ug/Kg		56	46 - 130
Endosulfan sulfate	656	438.3		ug/Kg		67	43 - 130
Endrin	656	324.7	J	ug/Kg		50	36 - 130
Endrin aldehyde	656	341.2		ug/Kg		52	34 - 130
Endrin ketone	656	470.8		ug/Kg		72	40 - 130
gamma-BHC (Lindane)	656	302.8		ug/Kg		46	20 - 100
gamma-Chlordane	656	356.9		ug/Kg		54	45 - 130
Heptachlor	656	353.8		ug/Kg		54	20 - 100
Heptachlor epoxide	656	365.7		ug/Kg		56	42 - 130
Methoxychlor	656	372.3	J	ug/Kg		57	25 - 130

TestAmerica Corpus Christi

QC Sample Results

Client: Edwards Aquifer Authority
Project/Site: Sludge Composite

TestAmerica Job ID: 560-40591-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 640-102470/15-A

Matrix: Solid

Analysis Batch: 102787

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 102470

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	57		30 - 138
Tetrachloro-m-xylene	47		30 - 130

Lab Sample ID: LCSD 640-102470/16-A

Matrix: Solid

Analysis Batch: 102787

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 102470

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
delta-BHC	656	309.5		ug/Kg		47	43 - 130	7	50
4,4'-DDD	656	328.9		ug/Kg		50	45 - 130	6	50
4,4'-DDE	656	347.9		ug/Kg		53	48 - 130	6	50
4,4'-DDT	656	339.4		ug/Kg		52	37 - 116	8	50
Aldrin	656	281.8		ug/Kg		43	20 - 100	9	50
alpha-BHC	656	276.0		ug/Kg		42	32 - 130	7	50
alpha-Chlordane	656	346.7		ug/Kg		53	48 - 130	3	50
beta-BHC	656	297.7		ug/Kg		45	45 - 138	9	50
Dieldrin	656	382.8		ug/Kg		58	20 - 121	1	50
Endosulfan I	656	360.1		ug/Kg		55	42 - 130	6	50
Endosulfan II	656	335.9		ug/Kg		51	46 - 130	9	50
Endosulfan sulfate	656	406.3		ug/Kg		62	43 - 130	8	50
Endrin	656	316.0	J	ug/Kg		48	36 - 130	3	50
Endrin aldehyde	656	324.0	J	ug/Kg		49	34 - 130	5	50
Endrin ketone	656	407.9		ug/Kg		62	40 - 130	14	50
gamma-BHC (Lindane)	656	278.1		ug/Kg		42	20 - 100	9	50
gamma-Chlordane	656	339.3		ug/Kg		52	45 - 130	5	50
Heptachlor	656	308.8		ug/Kg		47	20 - 100	14	50
Heptachlor epoxide	656	358.7		ug/Kg		55	42 - 130	2	50
Methoxychlor	656	327.9	J	ug/Kg		50	25 - 130	13	50

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCB Decachlorobiphenyl	65		30 - 138
Tetrachloro-m-xylene	51		30 - 130

Lab Sample ID: MB 640-102773/1-A

Matrix: Solid

Analysis Batch: 102958

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 102773

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
delta-BHC	<0.0920		1.66	0.0920	ug/Kg		06/28/13 08:57	07/05/13 15:41	1
4,4'-DDD	<0.0871		3.23	0.0871	ug/Kg		06/28/13 08:57	07/05/13 15:41	1
4,4'-DDE	<0.0832		3.23	0.0832	ug/Kg		06/28/13 08:57	07/05/13 15:41	1
4,4'-DDT	<0.127		3.23	0.127	ug/Kg		06/28/13 08:57	07/05/13 15:41	1
Aldrin	<0.0470		1.66	0.0470	ug/Kg		06/28/13 08:57	07/05/13 15:41	1
alpha-BHC	<0.274		1.66	0.274	ug/Kg		06/28/13 08:57	07/05/13 15:41	1
alpha-Chlordane	<0.0558		1.66	0.0558	ug/Kg		06/28/13 08:57	07/05/13 15:41	1
beta-BHC	<0.0695		1.66	0.0695	ug/Kg		06/28/13 08:57	07/05/13 15:41	1
Dieldrin	<0.0333		3.23	0.0333	ug/Kg		06/28/13 08:57	07/05/13 15:41	1
Endosulfan I	<0.0342		1.66	0.0342	ug/Kg		06/28/13 08:57	07/05/13 15:41	1

TestAmerica Corpus Christi

QC Sample Results

Client: Edwards Aquifer Authority
Project/Site: Sludge Composite

TestAmerica Job ID: 560-40591-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 640-102773/1-A

Matrix: Solid

Analysis Batch: 102958

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 102773

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan II	<0.0832		3.23	0.0832	ug/Kg		06/28/13 08:57	07/05/13 15:41	1
Endosulfan sulfate	<0.157		3.23	0.157	ug/Kg		06/28/13 08:57	07/05/13 15:41	1
Endrin	<0.0881		3.23	0.0881	ug/Kg		06/28/13 08:57	07/05/13 15:41	1
Endrin aldehyde	<0.117		3.23	0.117	ug/Kg		06/28/13 08:57	07/05/13 15:41	1
Endrin ketone	<0.117		3.23	0.117	ug/Kg		06/28/13 08:57	07/05/13 15:41	1
gamma-BHC (Lindane)	<0.0382		1.66	0.0382	ug/Kg		06/28/13 08:57	07/05/13 15:41	1
gamma-Chlordane	<0.0822		1.66	0.0822	ug/Kg		06/28/13 08:57	07/05/13 15:41	1
Heptachlor	<0.117		1.66	0.117	ug/Kg		06/28/13 08:57	07/05/13 15:41	1
Heptachlor epoxide	<0.0558		1.66	0.0558	ug/Kg		06/28/13 08:57	07/05/13 15:41	1
Methoxychlor	<0.0802		16.6	0.0802	ug/Kg		06/28/13 08:57	07/05/13 15:41	1
Toxaphene	<6.56		166	6.56	ug/Kg		06/28/13 08:57	07/05/13 15:41	1
Chlordane (technical)	<2.45		16.6	2.45	ug/Kg		06/28/13 08:57	07/05/13 15:41	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	73		30 - 138	06/28/13 08:57	07/05/13 15:41	1
Tetrachloro-m-xylene	76		30 - 130	06/28/13 08:57	07/05/13 15:41	1

Lab Sample ID: LCS 640-102773/2-A

Matrix: Solid

Analysis Batch: 102958

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 102773

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
delta-BHC	6.46	4.226		ug/Kg		65	43 - 130
4,4'-DDD	6.46	4.829		ug/Kg		75	45 - 130
4,4'-DDE	6.46	5.167		ug/Kg		80	48 - 130
4,4'-DDT	6.46	4.679		ug/Kg		72	37 - 116
Aldrin	6.46	4.832		ug/Kg		75	20 - 100
alpha-BHC	6.46	4.765		ug/Kg		74	32 - 130
alpha-Chlordane	6.46	5.040		ug/Kg		78	48 - 130
beta-BHC	6.46	5.069		ug/Kg		78	45 - 138
Dieldrin	6.46	4.966		ug/Kg		77	20 - 121
Endosulfan I	6.46	4.860		ug/Kg		75	42 - 130
Endosulfan II	6.46	5.170		ug/Kg		80	46 - 130
Endosulfan sulfate	6.46	5.558		ug/Kg		86	43 - 130
Endrin	6.46	4.805		ug/Kg		74	36 - 130
Endrin aldehyde	6.46	5.270		ug/Kg		82	34 - 130
Endrin ketone	6.46	6.330		ug/Kg		98	40 - 130
gamma-BHC (Lindane)	6.46	4.940		ug/Kg		76	20 - 100
gamma-Chlordane	6.46	5.037		ug/Kg		78	45 - 130
Heptachlor	6.46	4.942		ug/Kg		76	20 - 100
Heptachlor epoxide	6.46	5.320		ug/Kg		82	42 - 130
Methoxychlor	6.46	5.803	J	ug/Kg		90	25 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	69		30 - 138
Tetrachloro-m-xylene	81		30 - 130

TestAmerica Corpus Christi

QC Sample Results

Client: Edwards Aquifer Authority
Project/Site: Sludge Composite

TestAmerica Job ID: 560-40591-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 640-102773/3-A

Matrix: Solid

Analysis Batch: 102958

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 102773

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
delta-BHC	6.53	3.544		ug/Kg		54	43 - 130	18	50
4,4'-DDD	6.53	3.968		ug/Kg		61	45 - 130	20	50
4,4'-DDE	6.53	4.183		ug/Kg		64	48 - 130	21	50
4,4'-DDT	6.53	3.730		ug/Kg		57	37 - 116	23	50
Aldrin	6.53	3.999		ug/Kg		61	20 - 100	19	50
alpha-BHC	6.53	3.995		ug/Kg		61	32 - 130	18	50
alpha-Chlordane	6.53	4.296		ug/Kg		66	48 - 130	16	50
beta-BHC	6.53	4.241		ug/Kg		65	45 - 138	18	50
Dieldrin	6.53	4.048		ug/Kg		62	20 - 121	20	50
Endosulfan I	6.53	4.078		ug/Kg		62	42 - 130	17	50
Endosulfan II	6.53	4.271		ug/Kg		65	46 - 130	19	50
Endosulfan sulfate	6.53	4.444		ug/Kg		68	43 - 130	22	50
Endrin	6.53	4.060		ug/Kg		62	36 - 130	17	50
Endrin aldehyde	6.53	4.323		ug/Kg		66	34 - 130	20	50
Endrin ketone	6.53	5.383		ug/Kg		82	40 - 130	16	50
gamma-BHC (Lindane)	6.53	4.138		ug/Kg		63	20 - 100	18	50
gamma-Chlordane	6.53	4.164		ug/Kg		64	45 - 130	19	50
Heptachlor	6.53	4.033		ug/Kg		62	20 - 100	20	50
Heptachlor epoxide	6.53	4.442		ug/Kg		68	42 - 130	18	50
Methoxychlor	6.53	4.869	J	ug/Kg		75	25 - 130	18	50

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCB Decachlorobiphenyl	70		30 - 138
Tetrachloro-m-xylene	81		30 - 130

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 560-89133/1-A

Matrix: Solid

Analysis Batch: 89236

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 89133

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	<0.00509		0.0330	0.00509	mg/Kg		06/14/13 14:35	06/18/13 11:49	1
Aroclor 1221	<0.00509		0.0330	0.00509	mg/Kg		06/14/13 14:35	06/18/13 11:49	1
Aroclor 1232	<0.00509		0.0330	0.00509	mg/Kg		06/14/13 14:35	06/18/13 11:49	1
Aroclor 1242	<0.00509		0.0330	0.00509	mg/Kg		06/14/13 14:35	06/18/13 11:49	1
Aroclor 1248	<0.00509		0.0330	0.00509	mg/Kg		06/14/13 14:35	06/18/13 11:49	1
Aroclor 1254	<0.00509		0.0330	0.00509	mg/Kg		06/14/13 14:35	06/18/13 11:49	1
Aroclor 1260	<0.00509		0.0330	0.00509	mg/Kg		06/14/13 14:35	06/18/13 11:49	1
Aroclor 1262	<0.00509		0.0330	0.00509	mg/Kg		06/14/13 14:35	06/18/13 11:49	1
Aroclor 1268	<0.00509		0.0330	0.00509	mg/Kg		06/14/13 14:35	06/18/13 11:49	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	87		57 - 138	06/14/13 14:35	06/18/13 11:49	1
Tetrachloro-m-xylene	88		32 - 132	06/14/13 14:35	06/18/13 11:49	1

TestAmerica Corpus Christi

QC Sample Results

Client: Edwards Aquifer Authority
Project/Site: Sludge Composite

TestAmerica Job ID: 560-40591-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 560-89133/2-A

Matrix: Solid

Analysis Batch: 89236

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 89133

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor 1016	0.333	0.3150		mg/Kg		95	40 - 130
Aroclor 1260	0.333	0.3072		mg/Kg		92	40 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	95		57 - 138
Tetrachloro-m-xylene	80		32 - 132

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique

Lab Sample ID: MB 640-102470/1-A

Matrix: Solid

Analysis Batch: 102717

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 102470

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Azinphos-methyl	<14.7		64.8	14.7	ug/Kg		06/17/13 10:11	06/26/13 15:28	1
Bolstar	<4.62		32.4	4.62	ug/Kg		06/17/13 10:11	06/26/13 15:28	1
Chlorpyrifos	<6.68		32.4	6.68	ug/Kg		06/17/13 10:11	06/26/13 15:28	1
Coumaphos	<21.6		324	21.6	ug/Kg		06/17/13 10:11	06/26/13 15:28	1
Demeton-O	<2.55		81.5	2.55	ug/Kg		06/17/13 10:11	06/26/13 15:28	1
Demeton-S	<5.50		81.5	5.50	ug/Kg		06/17/13 10:11	06/26/13 15:28	1
Diazinon	<5.60		32.4	5.60	ug/Kg		06/17/13 10:11	06/26/13 15:28	1
Dichlorvos	<6.29		64.8	6.29	ug/Kg		06/17/13 10:11	06/26/13 15:28	1
Dimethoate	<8.64		64.8	8.64	ug/Kg		06/17/13 10:11	06/26/13 15:28	1
Disulfoton	<15.7		64.8	15.7	ug/Kg		06/17/13 10:11	06/26/13 15:28	1
EPN	<4.42		32.4	4.42	ug/Kg		06/17/13 10:11	06/26/13 15:28	1
Famphur	<8.15		64.8	8.15	ug/Kg		06/17/13 10:11	06/26/13 15:28	1
Fensulfothion	<11.8		324	11.8	ug/Kg		06/17/13 10:11	06/26/13 15:28	1
Fenthion	<4.62		32.4	4.62	ug/Kg		06/17/13 10:11	06/26/13 15:28	1
Malathion	<8.06		32.4	8.06	ug/Kg		06/17/13 10:11	06/26/13 15:28	1
Merphos	<10.8		32.4	10.8	ug/Kg		06/17/13 10:11	06/26/13 15:28	1
Methyl parathion	<5.30		16.7	5.30	ug/Kg		06/17/13 10:11	06/26/13 15:28	1
Mevinphos	<4.52		64.8	4.52	ug/Kg		06/17/13 10:11	06/26/13 15:28	1
Ethoprop	<4.13		16.7	4.13	ug/Kg		06/17/13 10:11	06/26/13 15:28	1
Monochrotophos	<45.2		324	45.2	ug/Kg		06/17/13 10:11	06/26/13 15:28	1
Naled	<21.6		324	21.6	ug/Kg		06/17/13 10:11	06/26/13 15:28	1
Ethyl Parathion	<5.40		32.4	5.40	ug/Kg		06/17/13 10:11	06/26/13 15:28	1
Phorate	<5.30		32.4	5.30	ug/Kg		06/17/13 10:11	06/26/13 15:28	1
Ronnel	<4.13		32.4	4.13	ug/Kg		06/17/13 10:11	06/26/13 15:28	1
Stirophos	<6.29		32.4	6.29	ug/Kg		06/17/13 10:11	06/26/13 15:28	1
Sulfotepp	<8.45		16.7	8.45	ug/Kg		06/17/13 10:11	06/26/13 15:28	1
Thionazin	<9.82		32.4	9.82	ug/Kg		06/17/13 10:11	06/26/13 15:28	1
Tokuthion	<5.30		32.4	5.30	ug/Kg		06/17/13 10:11	06/26/13 15:28	1
Trichloronate	<7.47		324	7.47	ug/Kg		06/17/13 10:11	06/26/13 15:28	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Triphenylphosphate	85		35 - 134	06/17/13 10:11	06/26/13 15:28	1

TestAmerica Corpus Christi

QC Sample Results

Client: Edwards Aquifer Authority
Project/Site: Sludge Composite

TestAmerica Job ID: 560-40591-1

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique (Continued)

Lab Sample ID: LCS 640-102470/2-A

Matrix: Solid

Analysis Batch: 102717

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 102470

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Azinphos-methyl	163	102.2		ug/Kg		63	52 - 122
Bolstar	163	95.54		ug/Kg		58	55 - 141
Chlorpyrifos	163	95.35		ug/Kg		58	40 - 132
Coumaphos	163	147.4	J	ug/Kg		90	47 - 160
Diazinon	163	85.04		ug/Kg		52	36 - 113
Dichlorvos	163	111.0		ug/Kg		68	10 - 154
EPN	163	107.3	*	ug/Kg		66	68 - 159
Famphur	163	108.6		ug/Kg		66	53 - 118
Fensulfothion	163	134.1	J	ug/Kg		82	33 - 168
Fenthion	163	92.78		ug/Kg		57	41 - 136
Malathion	163	90.29		ug/Kg		55	45 - 125
Methyl parathion	163	94.90		ug/Kg		58	44 - 126
Mevinphos	163	89.90		ug/Kg		55	10 - 156
Ethoprop	163	86.75		ug/Kg		53	23 - 134
Monochrotophos	654	186.5	J	ug/Kg		29	15 - 167
Naled	654	100.8	J	ug/Kg		15	13 - 102
Ethyl Parathion	163	77.94	*	ug/Kg		48	53 - 126
Phorate	163	95.64		ug/Kg		59	17 - 142
Ronnel	163	87.02		ug/Kg		53	36 - 134
Tokuthion	163	98.53		ug/Kg		60	48 - 142

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Triphenylphosphate	77		35 - 134

Lab Sample ID: LCSD 640-102470/3-A

Matrix: Solid

Analysis Batch: 102717

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 102470

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Azinphos-methyl	163	131.3		ug/Kg		80	52 - 122	25	30
Bolstar	163	95.21		ug/Kg		58	55 - 141	0	30
Chlorpyrifos	163	61.54	*	ug/Kg		38	40 - 132	43	30
Coumaphos	163	177.6	J	ug/Kg		109	47 - 160	19	30
Diazinon	163	80.02		ug/Kg		49	36 - 113	6	38
Dichlorvos	163	76.82		ug/Kg		47	10 - 154	36	51
EPN	163	118.2		ug/Kg		72	68 - 159	10	30
Famphur	163	120.4		ug/Kg		74	53 - 118	10	30
Fensulfothion	163	159.5	J	ug/Kg		98	33 - 168	17	30
Fenthion	163	64.57	*	ug/Kg		40	41 - 136	36	30
Malathion	163	74.79		ug/Kg		46	45 - 125	19	30
Methyl parathion	163	63.42	*	ug/Kg		39	44 - 126	40	30
Mevinphos	163	59.82	J	ug/Kg		37	10 - 156	40	50
Ethoprop	163	62.31		ug/Kg		38	23 - 134	33	45
Monochrotophos	653	398.1	*	ug/Kg		61	15 - 167	72	60
Naled	653	65.00	J *	ug/Kg		10	13 - 102	43	53
Ethyl Parathion	163	58.65	*	ug/Kg		36	53 - 126	28	30

TestAmerica Corpus Christi

QC Sample Results

Client: Edwards Aquifer Authority
Project/Site: Sludge Composite

TestAmerica Job ID: 560-40591-1

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column

Technique (Continued)

Lab Sample ID: LCSD 640-102470/3-A

Matrix: Solid

Analysis Batch: 102717

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 102470

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Phorate	163	58.62	*	ug/Kg		36	17 - 142	48	46
Ronnel	163	80.62		ug/Kg		49	36 - 134	8	35
Tokuthion	163	79.95		ug/Kg		49	48 - 142	21	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Triphenylphosphate	85		35 - 134

Lab Sample ID: MB 640-102773/1-A

Matrix: Solid

Analysis Batch: 102926

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 102773

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Azinphos-methyl	<14.7		64.6	14.7	ug/Kg		06/28/13 08:57	07/03/13 17:32	1
Bolstar	<4.60		32.3	4.60	ug/Kg		06/28/13 08:57	07/03/13 17:32	1
Chlorpyrifos	<6.65		32.3	6.65	ug/Kg		06/28/13 08:57	07/03/13 17:32	1
Coumaphos	<21.5		323	21.5	ug/Kg		06/28/13 08:57	07/03/13 17:32	1
Demeton-O	<2.54		81.2	2.54	ug/Kg		06/28/13 08:57	07/03/13 17:32	1
Demeton-S	<5.48		81.2	5.48	ug/Kg		06/28/13 08:57	07/03/13 17:32	1
Diazinon	<5.58		32.3	5.58	ug/Kg		06/28/13 08:57	07/03/13 17:32	1
Dichlorvos	<6.26		64.6	6.26	ug/Kg		06/28/13 08:57	07/03/13 17:32	1
Dimethoate	<8.61		64.6	8.61	ug/Kg		06/28/13 08:57	07/03/13 17:32	1
Disulfoton	<15.7		64.6	15.7	ug/Kg		06/28/13 08:57	07/03/13 17:32	1
EPN	<4.40		32.3	4.40	ug/Kg		06/28/13 08:57	07/03/13 17:32	1
Famphur	<8.12		64.6	8.12	ug/Kg		06/28/13 08:57	07/03/13 17:32	1
Fensulfothion	<11.7		323	11.7	ug/Kg		06/28/13 08:57	07/03/13 17:32	1
Fenthion	<4.60		32.3	4.60	ug/Kg		06/28/13 08:57	07/03/13 17:32	1
Malathion	<8.02		32.3	8.02	ug/Kg		06/28/13 08:57	07/03/13 17:32	1
Merphos	<10.8		32.3	10.8	ug/Kg		06/28/13 08:57	07/03/13 17:32	1
Methyl parathion	<5.28		16.6	5.28	ug/Kg		06/28/13 08:57	07/03/13 17:32	1
Mevinphos	<4.50		64.6	4.50	ug/Kg		06/28/13 08:57	07/03/13 17:32	1
Ethoprop	<4.11		16.6	4.11	ug/Kg		06/28/13 08:57	07/03/13 17:32	1
Monochrotophos	<45.0		323	45.0	ug/Kg		06/28/13 08:57	07/03/13 17:32	1
Naled	<21.5		323	21.5	ug/Kg		06/28/13 08:57	07/03/13 17:32	1
Ethyl Parathion	<5.38		32.3	5.38	ug/Kg		06/28/13 08:57	07/03/13 17:32	1
Phorate	<5.28		32.3	5.28	ug/Kg		06/28/13 08:57	07/03/13 17:32	1
Ronnel	<4.11		32.3	4.11	ug/Kg		06/28/13 08:57	07/03/13 17:32	1
Stirophos	<6.26		32.3	6.26	ug/Kg		06/28/13 08:57	07/03/13 17:32	1
Sulfotepp	<8.41		16.6	8.41	ug/Kg		06/28/13 08:57	07/03/13 17:32	1
Thionazin	<9.78		32.3	9.78	ug/Kg		06/28/13 08:57	07/03/13 17:32	1
Tokuthion	<5.28		32.3	5.28	ug/Kg		06/28/13 08:57	07/03/13 17:32	1
Trichloronate	<7.44		323	7.44	ug/Kg		06/28/13 08:57	07/03/13 17:32	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Triphenylphosphate	91		35 - 134	06/28/13 08:57	07/03/13 17:32	1

TestAmerica Corpus Christi

QC Sample Results

Client: Edwards Aquifer Authority
Project/Site: Sludge Composite

TestAmerica Job ID: 560-40591-1

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique (Continued)

Lab Sample ID: LCS 640-102773/4-A

Matrix: Solid

Analysis Batch: 102927

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 102773

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Azinphos-methyl	163	119.1		ug/Kg		73	52 - 122
Bolstar	163	97.74		ug/Kg		60	55 - 141
Chlorpyrifos	163	97.22		ug/Kg		60	40 - 132
Coumaphos	163	110.0	J	ug/Kg		68	47 - 160
Diazinon	163	78.83		ug/Kg		48	36 - 113
Dichlorvos	163	69.90		ug/Kg		43	10 - 154
EPN	163	104.9	*	ug/Kg		64	68 - 159
Famphur	163	96.09		ug/Kg		59	53 - 118
Fensulfothion	163	98.66	J	ug/Kg		61	33 - 168
Fenthion	163	90.33		ug/Kg		56	41 - 136
Malathion	163	70.30	*	ug/Kg		43	45 - 125
Methyl parathion	163	97.47		ug/Kg		60	44 - 126
Mevinphos	163	89.36		ug/Kg		55	10 - 156
Ethoprop	163	88.78		ug/Kg		55	23 - 134
Monochrotophos	651	401.6		ug/Kg		62	15 - 167
Naled	651	290.2	J	ug/Kg		45	13 - 102
Ethyl Parathion	163	82.91	*	ug/Kg		51	53 - 126
Phorate	163	101.0		ug/Kg		62	17 - 142
Ronnel	163	87.88		ug/Kg		54	36 - 134
Tokuthion	163	102.9		ug/Kg		63	48 - 142

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Triphenylphosphate	77		35 - 134

Lab Sample ID: LCSD 640-102773/5-A

Matrix: Solid

Analysis Batch: 102927

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 102773

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Azinphos-methyl	164	178.7	*	ug/Kg		109	52 - 122	40	30
Bolstar	164	143.1	*	ug/Kg		87	55 - 141	38	30
Chlorpyrifos	164	145.3	*	ug/Kg		89	40 - 132	40	30
Coumaphos	164	155.7	J *	ug/Kg		95	47 - 160	34	30
Diazinon	164	109.6		ug/Kg		67	36 - 113	33	38
Dichlorvos	164	112.3		ug/Kg		69	10 - 154	47	51
EPN	164	153.5	*	ug/Kg		94	68 - 159	38	30
Famphur	164	145.8	*	ug/Kg		89	53 - 118	41	30
Fensulfothion	164	152.3	J *	ug/Kg		93	33 - 168	43	30
Fenthion	164	131.3	*	ug/Kg		80	41 - 136	37	30
Malathion	164	112.7	*	ug/Kg		69	45 - 125	46	30
Methyl parathion	164	143.9	*	ug/Kg		88	44 - 126	38	30
Mevinphos	164	138.7		ug/Kg		85	10 - 156	43	50
Ethoprop	164	138.1		ug/Kg		84	23 - 134	44	45
Monochrotophos	654	649.2		ug/Kg		99	15 - 167	47	60
Naled	654	473.9		ug/Kg		72	13 - 102	48	53
Ethyl Parathion	164	126.9	*	ug/Kg		78	53 - 126	42	30

TestAmerica Corpus Christi

QC Sample Results

Client: Edwards Aquifer Authority
Project/Site: Sludge Composite

TestAmerica Job ID: 560-40591-1

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique (Continued)

Lab Sample ID: LCSD 640-102773/5-A

Matrix: Solid

Analysis Batch: 102927

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 102773

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Phorate	164	150.4		ug/Kg		92	17 - 142	39	46
Ronnel	164	134.7	*	ug/Kg		82	36 - 134	42	35
Tokuthion	164	156.4	*	ug/Kg		96	48 - 142	41	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Triphenylphosphate	83		35 - 134

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 680-280649/12-A

Matrix: Solid

Analysis Batch: 281161

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 280649

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<4.99		8.28	4.99	ug/Kg		06/18/13 08:26	06/19/13 21:01	1
Dalapon	<2.89		329	2.89	ug/Kg		06/18/13 08:26	06/19/13 21:01	1
2,4-DB	<2.99		8.28	2.99	ug/Kg		06/18/13 08:26	06/19/13 21:01	1
Dicamba	<1.89		8.28	1.89	ug/Kg		06/18/13 08:26	06/19/13 21:01	1
Dichlorprop	<1.10		8.28	1.10	ug/Kg		06/18/13 08:26	06/19/13 21:01	1
Dinoseb	<4.59		99.7	4.59	ug/Kg		06/18/13 08:26	06/19/13 21:01	1
MCPA	<189		1990	189	ug/Kg		06/18/13 08:26	06/19/13 21:01	1
Mecoprop	<169		1990	169	ug/Kg		06/18/13 08:26	06/19/13 21:01	1
Pentachlorophenol	<0.419		8.28	0.419	ug/Kg		06/18/13 08:26	06/19/13 21:01	1
Silvex (2,4,5-TP)	<1.60		8.28	1.60	ug/Kg		06/18/13 08:26	06/19/13 21:01	1
2,4,5-T	<2.29		8.28	2.29	ug/Kg		06/18/13 08:26	06/19/13 21:01	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCAA	80	p	35 - 137	06/18/13 08:26	06/19/13 21:01	1

Lab Sample ID: LCS 680-280649/13-A

Matrix: Solid

Analysis Batch: 281161

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 280649

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-D	65.9	53.78		ug/Kg		82	47 - 130
Dalapon	65.9	70.15	J	ug/Kg		106	34 - 130
2,4-DB	65.9	53.79		ug/Kg		82	10 - 130
Dicamba	65.9	55.26		ug/Kg		84	45 - 130
Dichlorprop	65.9	33.91		ug/Kg		51	39 - 130
Dinoseb	65.9	42.99	J	ug/Kg		65	10 - 130
MCPA	6590	4722		ug/Kg		72	36 - 130
Mecoprop	6590	5933		ug/Kg		90	29 - 130
Pentachlorophenol	65.9	46.02		ug/Kg		70	50 - 130
Silvex (2,4,5-TP)	65.9	50.00		ug/Kg		76	24 - 130
2,4,5-T	65.9	48.12		ug/Kg		73	32 - 130

TestAmerica Corpus Christi

QC Sample Results

Client: Edwards Aquifer Authority
Project/Site: Sludge Composite

TestAmerica Job ID: 560-40591-1

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: LCS 680-280649/13-A

Matrix: Solid

Analysis Batch: 281161

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 280649

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCAA	68	p	35 - 137

Lab Sample ID: LCSD 680-280649/14-A

Matrix: Solid

Analysis Batch: 281161

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 280649

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-D	66.4	55.27		ug/Kg		83	47 - 130	3	50
Dalapon	66.4	42.30	J p	ug/Kg		64	34 - 130	50	50
2,4-DB	66.4	56.31		ug/Kg		85	10 - 130	5	50
Dicamba	66.4	50.77		ug/Kg		76	45 - 130	8	50
Dichlorprop	66.4	38.82		ug/Kg		58	39 - 130	14	50
Dinoseb	66.4	39.61	J	ug/Kg		60	10 - 130	8	50
MCPA	6640	4212		ug/Kg		63	36 - 130	11	50
Mecoprop	6640	5212		ug/Kg		78	29 - 130	13	50
Pentachlorophenol	66.4	41.70		ug/Kg		63	50 - 130	10	50
Silvex (2,4,5-TP)	66.4	46.30		ug/Kg		70	24 - 130	8	50
2,4,5-T	66.4	46.39		ug/Kg		70	32 - 130	4	50

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCAA	64	p	35 - 137

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 560-89675/1-A

Matrix: Solid

Analysis Batch: 89738

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 89675

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silicon	<6.32		20.0	6.32	mg/Kg		06/27/13 11:40	06/28/13 17:50	1

Lab Sample ID: LCS 560-89675/2-A

Matrix: Solid

Analysis Batch: 89738

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 89675

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Silicon	500	558.4		mg/Kg		112	80 - 120

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 560-89590/1-A

Matrix: Solid

Analysis Batch: 89642

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 89590

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<1.20		2.50	1.20	mg/Kg		06/26/13 09:20	06/26/13 16:51	1
Calcium	<13.8		25.0	13.8	mg/Kg		06/26/13 09:20	06/26/13 16:51	1
Antimony	<0.0961		0.250	0.0961	mg/Kg		06/26/13 09:20	06/26/13 16:51	1

TestAmerica Corpus Christi

QC Sample Results

Client: Edwards Aquifer Authority
Project/Site: Sludge Composite

TestAmerica Job ID: 560-40591-1

Method: 6020 - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 560-89590/1-A

Matrix: Solid

Analysis Batch: 89642

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 89590

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	<24.5		50.0	24.5	mg/Kg		06/26/13 09:20	06/26/13 16:51	1
Arsenic	<0.0499		0.250	0.0499	mg/Kg		06/26/13 09:20	06/26/13 16:51	1
Magnesium	<5.47		25.0	5.47	mg/Kg		06/26/13 09:20	06/26/13 16:51	1
Barium	<0.109		0.250	0.109	mg/Kg		06/26/13 09:20	06/26/13 16:51	1
Sodium	260.6		50.0	28.1	mg/Kg		06/26/13 09:20	06/26/13 16:51	1
Beryllium	<0.0876		0.250	0.0876	mg/Kg		06/26/13 09:20	06/26/13 16:51	1
Strontium	<0.0611		0.250	0.0611	mg/Kg		06/26/13 09:20	06/26/13 16:51	1
Cadmium	<0.0721		0.250	0.0721	mg/Kg		06/26/13 09:20	06/26/13 16:51	1
Chromium	<0.112		0.250	0.112	mg/Kg		06/26/13 09:20	06/26/13 16:51	1
Copper	<0.177		0.500	0.177	mg/Kg		06/26/13 09:20	06/26/13 16:51	1
Iron	<5.53		25.0	5.53	mg/Kg		06/26/13 09:20	06/26/13 16:51	1
Lead	<0.205		0.500	0.205	mg/Kg		06/26/13 09:20	06/26/13 16:51	1
Manganese	<0.603		2.50	0.603	mg/Kg		06/26/13 09:20	06/26/13 16:51	1
Nickel	<0.133		0.250	0.133	mg/Kg		06/26/13 09:20	06/26/13 16:51	1
Selenium	<0.0435		0.250	0.0435	mg/Kg		06/26/13 09:20	06/26/13 16:51	1
Silver	<0.0686		0.250	0.0686	mg/Kg		06/26/13 09:20	06/26/13 16:51	1
Thallium	<0.0689		0.250	0.0689	mg/Kg		06/26/13 09:20	06/26/13 16:51	1
Zinc	<0.768		1.25	0.768	mg/Kg		06/26/13 09:20	06/26/13 16:51	1

Lab Sample ID: LCS 560-89590/2-A

Matrix: Solid

Analysis Batch: 89642

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 89590

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	2500	2624		mg/Kg		105	80 - 120
Antimony	25.0	27.53		mg/Kg		110	80 - 120
Arsenic	25.0	27.06		mg/Kg		108	80 - 120
Barium	25.0	26.89		mg/Kg		108	80 - 120
Beryllium	35.0	36.36		mg/Kg		104	80 - 120
Cadmium	25.0	26.72		mg/Kg		107	80 - 120
Chromium	25.0	26.80		mg/Kg		107	80 - 120
Copper	25.0	26.00		mg/Kg		104	80 - 120
Iron	2500	2543		mg/Kg		102	80 - 120
Lead	25.0	26.92		mg/Kg		108	80 - 120
Manganese	250	254.4		mg/Kg		102	80 - 120
Nickel	25.0	25.92		mg/Kg		104	80 - 120
Selenium	25.0	23.85		mg/Kg		95	80 - 120
Silver	25.0	27.62		mg/Kg		110	80 - 120
Thallium	10.0	10.08		mg/Kg		101	80 - 120
Zinc	25.0	26.72		mg/Kg		107	80 - 120

TestAmerica Corpus Christi

QC Sample Results

Client: Edwards Aquifer Authority
Project/Site: Sludge Composite

TestAmerica Job ID: 560-40591-1

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 560-89327/4-A

Matrix: Solid

Analysis Batch: 89326

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 89327

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0108		0.120	0.0108	mg/Kg		06/19/13 10:00	06/19/13 14:54	1

Lab Sample ID: LCS 560-89327/5-A

Matrix: Solid

Analysis Batch: 89326

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 89327

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.250	0.2725		mg/Kg		109	80 - 120

Method: 365.4 - Phosphorus, Total

Lab Sample ID: MB 680-281543/2-A

Matrix: Solid

Analysis Batch: 281815

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 281543

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phosphorus	<11.0		20.0	11.0	mg/Kg		06/21/13 16:30	06/24/13 20:29	1

Lab Sample ID: LCS 680-281543/1-A

Matrix: Solid

Analysis Batch: 281815

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 281543

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Phosphorus	400	432.4		mg/Kg		108	60 - 140

Method: 9045D - pH

Lab Sample ID: LCS 560-89359/2

Matrix: Solid

Analysis Batch: 89359

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
pH	4.99	5.050		SU		101	98 - 102

Method: 9056 - Anions, Ion Chromatography

Lab Sample ID: MB 560-89778/1-A

Matrix: Solid

Analysis Batch: 89847

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<1.05		10.0	1.05	mg/Kg			07/02/13 18:17	1
Nitrate as N	<0.556		5.00	0.556	mg/Kg			07/02/13 18:17	1
Sulfate	9.730	J	10.0	8.65	mg/Kg			07/02/13 18:17	1
Bromide	<0.616		10.0	0.616	mg/Kg			07/02/13 18:17	1

TestAmerica Corpus Christi

QC Sample Results

Client: Edwards Aquifer Authority
Project/Site: Sludge Composite

TestAmerica Job ID: 560-40591-1

Method: 9056 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 560-89778/2-A

Matrix: Solid

Analysis Batch: 89847

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	100	100.4		mg/Kg		100	80 - 120
Nitrate as N	50.0	50.88		mg/Kg		102	80 - 120
Sulfate	200	204.9		mg/Kg		102	80 - 120
Bromide	50.0	48.71		mg/Kg		97	80 - 120

Lab Sample ID: 560-40591-2 MS

Matrix: Solid

Analysis Batch: 89847

Client Sample ID: HSM 330

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	10.7	J	638	635.8		mg/Kg	☼	98	80 - 120
Nitrate as N	12.8	J	319	324.0		mg/Kg	☼	98	80 - 120
Sulfate	735	B	1280	1963		mg/Kg	☼	96	80 - 120
Bromide	<3.93		319	305.2		mg/Kg	☼	96	80 - 120

Lab Sample ID: 560-40591-2 MSD

Matrix: Solid

Analysis Batch: 89847

Client Sample ID: HSM 330

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	10.7	J	638	627.6		mg/Kg	☼	97	80 - 120	1	30
Nitrate as N	12.8	J	319	324.1		mg/Kg	☼	98	80 - 120	0	30
Sulfate	735	B	1280	1953		mg/Kg	☼	95	80 - 120	1	30
Bromide	<3.93		319	304.3		mg/Kg	☼	95	80 - 120	0	30

Method: SM 2320B - Alkalinity

Lab Sample ID: LCS 560-89449/19-A

Matrix: Solid

Analysis Batch: 89450

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Alkalinity as CaCO3	100	96.00		mg/Kg		96	85 - 115

Lab Sample ID: LCS 560-89449/1-A

Matrix: Solid

Analysis Batch: 89450

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Alkalinity as CaCO3	100	96.20		mg/Kg		96	85 - 115

Lab Sample ID: 560-40591-1 MS

Matrix: Solid

Analysis Batch: 89450

Client Sample ID: HSM 320

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Alkalinity as CaCO3	1260		5560	6784		mg/Kg	☼	99	75 - 125

TestAmerica Corpus Christi

QC Sample Results

Client: Edwards Aquifer Authority
Project/Site: Sludge Composite

TestAmerica Job ID: 560-40591-1

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: 560-40591-1 MSD

Matrix: Solid

Analysis Batch: 89450

Client Sample ID: HSM 320

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Alkalinity as CaCO3	1260		5560	6851		mg/Kg	✱	101	75 - 125	1	20

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 560-89491/1-A

Matrix: Solid

Analysis Batch: 89531

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.200		1.00	0.200	mg/Kg			06/24/13 11:30	1

Lab Sample ID: LCS 560-89491/2-A

Matrix: Solid

Analysis Batch: 89531

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluoride	8.00	8.330		mg/Kg		104	85 - 115

Method: WALKLEY BLACK - Organic Carbon, Total (TOC)

Lab Sample ID: MB 560-89569/1

Matrix: Solid

Analysis Batch: 89569

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	<270		1500	270	mg/Kg			06/25/13 13:20	1

Certification Summary

Client: Edwards Aquifer Authority
Project/Site: Sludge Composite

TestAmerica Job ID: 560-40591-1

Laboratory: TestAmerica Corpus Christi

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Kansas	NELAP	7	E-10362	10-31-13
Oklahoma	State Program	6	9968	08-31-13
Texas	NELAP	6	T104704210-12-8	03-31-14
USDA	Federal		P330-11-00060	02-03-14

Laboratory: TestAmerica Savannah

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

Authority	Program	EPA Region	Certification ID	Expiration Date
A2LA	ISO/IEC 17025		399.01	02-28-15
Alabama	State Program	4	41450	06-30-13 *
Arkansas DEQ	State Program	6	88-0692	02-01-14 *
California	NELAP	9	3217CA	07-31-13 *
Colorado	State Program	8	N/A	12-31-13
Connecticut	State Program	1	PH-0161	03-31-15
Florida	NELAP	4	E87052	06-30-14
GA Dept. of Agriculture	State Program	4	N/A	12-31-13
Georgia	State Program	4	N/A	06-30-14
Georgia	State Program	4	803	06-30-14
Guam	State Program	9	09-005r	04-17-13 *
Hawaii	State Program	9	N/A	06-30-14
Illinois	NELAP	5	200022	11-30-13
Iowa	State Program	7	353	07-01-15
Kentucky	State Program	4	90084	12-31-13
Kentucky (UST)	State Program	4	18	06-30-14
Louisiana	NELAP	6	30690	06-30-14
Louisiana	NELAP	6	LA100015	12-31-13
Maine	State Program	1	GA00006	08-16-14
Maryland	State Program	3	250	12-31-13
Massachusetts	State Program	1	M-GA006	06-30-14
Mississippi	State Program	4	N/A	06-30-14
Montana	State Program	8	CERT0081	01-01-14
Nebraska	State Program	7	TestAmerica-Savannah	06-30-14
New Jersey	NELAP	2	GA769	06-30-14
New Mexico	State Program	6	N/A	06-30-14
New York	NELAP	2	10842	04-01-14
North Carolina DENR	State Program	4	269	12-31-13
North Carolina DHHS	State Program	4	13701	07-31-14
Oklahoma	State Program	6	9984	08-31-13
Pennsylvania	NELAP	3	68-00474	06-30-14
Puerto Rico	State Program	2	GA00006	01-01-14
South Carolina	State Program	4	98001	06-30-13 *
Tennessee	State Program	4	TN02961	06-30-14
Texas	NELAP	6	T104704185-08-TX	11-30-13
USDA	Federal		SAV 3-04	04-07-14
Virginia	NELAP	3	460161	06-14-14
Washington	State Program	10	C1794	06-10-14
West Virginia	State Program	3	9950C	12-31-13
West Virginia DEP	State Program	3	94	09-30-13
Wisconsin	State Program	5	999819810	08-31-13

* Expired certification is currently pending renewal and is considered valid.

TestAmerica Corpus Christi

Certification Summary

Client: Edwards Aquifer Authority
Project/Site: Sludge Composite

TestAmerica Job ID: 560-40591-1

Laboratory: TestAmerica Savannah (Continued)

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Wyoming	State Program	8	8TMS-Q	06-30-13 *

Laboratory: TestAmerica Tallahassee

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Florida	NELAP	4	E81005	06-30-14
New Jersey	NELAP	2	FL012	06-30-14
Texas	NELAP	6	T104704459-11-2	03-31-14
USDA	Federal		P330-08-00158	08-05-14

* Expired certification is currently pending renewal and is considered valid.

TestAmerica Corpus Christi

Method Summary

Client: Edwards Aquifer Authority
Project/Site: Sludge Composite

TestAmerica Job ID: 560-40591-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CC
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CC
8081B	Organochlorine Pesticides (GC)	SW846	TAL TAL
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL CC
8141B	Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique	SW846	TAL TAL
8151A	Herbicides (GC)	SW846	TAL SAV
6010B	Metals (ICP)	SW846	TAL CC
6020	Metals (ICP/MS)	SW846	TAL CC
7471A	Mercury (CVAA)	SW846	TAL CC
365.4	Phosphorus, Total	EPA	TAL SAV
9045D	pH	SW846	TAL CC
9056	Anions, Ion Chromatography	SW846	TAL CC
Moisture	Percent Moisture	EPA	TAL CC
SM 2320B	Alkalinity	SM	TAL CC
SM 4500 F C	Fluoride	SM	TAL CC
WALKLEY BLACK	Organic Carbon, Total (TOC)	MSA	TAL CC

Protocol References:

EPA = US Environmental Protection Agency

MSA = "Methods Of Soil Analysis, Chemical And Microbiological Properties", Part 2, 2nd Ed., 1982 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater",

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

Laboratory References:

TAL CC = TestAmerica Corpus Christi, 1733 N. Padre Island Drive, Corpus Christi, TX 78408, TEL (361)289-2673

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

TAL TAL = TestAmerica Tallahassee, 2846 Industrial Plaza Drive, Tallahassee, FL 32301, TEL (850)878-3994

Sample Summary

Client: Edwards Aquifer Authority
Project/Site: Sludge Composite

TestAmerica Job ID: 560-40591-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
560-40591-1	HSM 320	Solid	06/12/13 10:25	06/13/13 08:35
560-40591-2	HSM 330	Solid	06/12/13 11:00	06/13/13 08:35
560-40591-3	HSM 340	Solid	06/12/13 13:15	06/13/13 08:35
560-40591-4	HSM 350	Solid	06/12/13 14:10	06/13/13 08:35

TestAmerica Corpus Christi
1733 N Padre Island Drive
Corpus Christi, TX 78406
Phone (361) 289-2873 Fax (361) 289-2471

Chain of Custody Record

TestAmerica

THE TESTAMERICA COMPANY • 1A 1733 N

Client Information		Lab PM		Main Contact		E-Mail	
Gizelle Luevano		Sample # 1347-891		Loc: 560		40591	
Company: Edwards Aquifer Authority		Phone: (409) 222-2204		E-Mail: lindy.malingot@testamerica.com			
Due Date Requested:							
TAT Requested (days):							
PO #							
Purchase Order not required							
WO #							
Project #							
56002565							
SSOW#							
N/A							
Sample Identification		Sample Date		Sample Time		Sample Type	
HSM 320		6/12/13		1025		C	
HSM 330		6/12/13		1100		C	
HSM 340		6/12/13		1315		C	
HSM 350		6/12/13		1410		C	
HSM 360		6/12/13		1410		C	
HSM 370		6/12/13		1410		C	
EBHSM		6/12/13		1410		C	
Trip Blank		6/12/13		1410		C	
Possible Hazard Identification		Sample Date		Sample Time		Sample Type	
Non-Hazard		6/12/13		1540		C	
Flammable		6/12/13		1540		C	
Deliverable Requested I, II, III, IV, Other (specify)		6/12/13		1540		C	
Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:	
Relinquished by: Kelly Simpson		6/12/13		1540		Company: EAA	
Relinquished by: Kelly Simpson		6/12/13		1540		Company: EAA	
Relinquished by: Kelly Simpson		6/12/13		1540		Company: EAA	
Custody Seal Intact		Custody Seal No.:		Custody Seal No.:		Custody Seal No.:	
Yes		No		No		No	



EDWARDS AQUIFER
AUTHORITY

Water Quality Field Data Sheet

HCP SEDIMENT

Site Information

Station Name: HSM 320	
Location: HCP Spring Lake	
Owner/Contact: Edwards Aquifer Authority	
Address: 900 East Quincy	
County: Hays	
Point of Collection:	
Date: 6/11/2013	Time:
Ambient Temp: 45°F	Collector(s): GL
Weather: Mostly Cloudy	

Equal-Width-Increment Method

Transect Width: 80'
Number of Verticals: 3
Flow/Appearance: clear & well mixed

Type of Analysis: (circle all that apply)

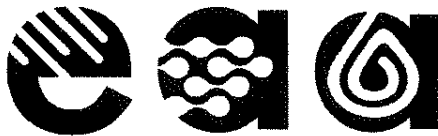
☒ SWQP	☒ Select Met	☒ 8081	☒ 8082	☒ 8141	☒ 8151
☒ TOC	☒ Phosphorous	☒ SVOCs	☒ TB	☒ DPC	☒ VPC

Notes

sampled @ 1025

Latitude:	Longitude:
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updated 06/06/13



EDWARDS AQUIFER
AUTHORITY

Water Quality Field Data Sheet

HCP SEDIMENT

Site Information

Station Name: 4SM330	
Location: HCP Sessions Creek	
Owner/Contact: Edwards Aquifer Authority	
Address: 900 East Quincy	
County: Travis	
Point of Collection:	
Date: 6/11/2013	Time:
Ambient Temp. 80°F	Collector(s): GL
Weather: Mostly cloudy	

Equal-Width-Increment Method

Transect Width: 10
Number of Verticals: 3
Flow/Appearance: Clear + well mixed

Type of Analysis: (circle all that apply)

☒ GWQP	☒ Selt Met.	☒ 8081	☒ 8082	☒ 8141	☒ 8151
☒ TOC	☒ Phosphorous	☒ SVOCs	☒ TB	☒ DOC	☒ VOC

Notes

sampled @ 1100

Latitude:	Longitude:
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updated 06/06/13



EDWARDS AQUIFER
AUTHORITY

Water Quality Field Data Sheet

HCP SEDIMENT

Site Information

Station Name: HSM 340	
Location: HCP City Park	
Owner/Contact: Edwards Aquifer Authority	
Address: 900 East Quincy	
County: Hays	
Point of Collection:	
Date: 6/11/2013	Time:
Ambient Temp. 90°F	Collector(s): GL
Weather: Mostly Sunny	

Equal-Width-Increment Method

Transect Width: 70'
Number of Verticals: 3
Flow/Appearance: clear & well mixed

Type of Analysis: (circle all that apply)

☒ GWQP	☒ Selct Me	☒ 8081	☒ 8082	☒ 8141	☒ 8151
☒ TOC	☒ Phosphorous	☒ SVOCs	☒ TB	☒ DOC	☒ VOC

Notes

Sampled @ 1315

Latitude:	Longitude:
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updated 06/06/13



EDWARDS AQUIFER
AUTHORITY

Water Quality Field Data Sheet

HCP SEDIMENT

Site Information

Station Name: 45M 350	
Location:	
Owner/Contact: Edwards Aquifer Authority	
Address: 900 East Quincy	
County: Hays	
Point of Collection:	
Date: 6/12/2011	Time:
Ambient Temp: 90°F	Collector(s): GL
Weather: Mostly sunny	

Equal-Width-Increment Method

Transect Width: 90'
Number of Verticals: 3
Flow/Appearance: clear & well mixed

Type of Analysis: (circle all that apply)

GWQP	Selct Met	8081	8082	8141	8151
TOC	^T Phosphorous	SVOCs	TB	DOC	VOC

Notes

Sampled @ 1410

Latitude:	Longitude:
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updated 06/06/13

Login Sample Receipt Checklist

Client: Edwards Aquifer Authority

Job Number: 560-40591-1

Login Number: 40591

List Source: TestAmerica Corpus Christi

List Number: 1

Creator: Adams, Christi L

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?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	False	Per client request samples were composited in the lab
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Edwards Aquifer Authority

Job Number: 560-40591-1

Login Number: 40591

List Number: 1

Creator: Barnett, Eddie T

List Source: TestAmerica Savannah

List Creation: 06/14/13 01:33 PM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ 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?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Edwards Aquifer Authority

Job Number: 560-40591-1

Login Number: 40591

List Number: 2

Creator: Rimes, Charlie T

List Source: TestAmerica Savannah

List Creation: 06/16/13 08:22 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.		
The cooler's custody seal, if present, is intact.		
Sample custody seals, if present, are intact.		
The cooler or samples do not appear to have been compromised or tampered with.		
Samples were received on ice.		
Cooler Temperature is acceptable.		
Cooler Temperature is recorded.		
COC is present.		
COC is filled out in ink and legible.		
COC is filled out with all pertinent information.		
Is the Field Sampler's name present on COC?		
There are no discrepancies between the containers received and the COC.		
Samples are received within Holding Time.		
Sample containers have legible labels.		
Containers are not broken or leaking.		
Sample collection date/times are provided.		
Appropriate sample containers are used.		
Sample bottles are completely filled.		
Sample Preservation Verified.		
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs		
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").		
Multiphasic samples are not present.		
Samples do not require splitting or compositing.		
Residual Chlorine Checked.		

Login Sample Receipt Checklist

Client: Edwards Aquifer Authority

Job Number: 560-40591-1

Login Number: 40591

List Number: 1

Creator: Savoie, Joseph L

List Source: TestAmerica Tallahassee

List Creation: 06/14/13 11:40 AM

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?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	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").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Edwards Aquifer Authority

Job Number: 560-40591-1

Login Number: 40591

List Number: 2

Creator: Suarez, Joe

List Source: TestAmerica Tallahassee

List Creation: 06/17/13 10:16 AM

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?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	