TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Austin
14050 Summit Drive, Suite A100
Austin, TX 78728
Tel: 512-244-0855

TestAmerica Job ID: AVE0225
Client Project/Site: 583-01
Client Project Description: Al-Kel

For:
TITAN Engineering, Inc.
2801 Network Blvd., Suite 200
Frisco, TX 75304

Attn: Brian Sims

Authorized for release by:
6/4/2012 2:13:53 PM

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Project Manager
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LINKS

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

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

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

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Case Narrative

Client: TITAN Engineering, Inc.
Project/Site: 583-01

TestAmerica Job ID: AVE0225

Job ID: AVE0225

Laboratory: TestAmerica Austin

Narrative

583-01

This report contains results for the samples received under chain-of-custody by TestAmerica Laboratories, Inc. 5/18/2012 8:45:00 AM .

These samples are associated with your **Al-Kel** project.

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

All applicable quality control procedures met method specified acceptance criteria except where flagged on the result pages or noted in the TRRP Checklist.

If you should have any questions, please feel free to contact me at neal.salcher@testamericainc.com or (512) 310-5215.

Note that if this report contains tests performed for the following methods, the associated method deviations are applicable.
EPA 410.4, COD: Laboratory uses different analytical wavelength as specified by instrument manufacturer.
EPA 340.2, Fluoride: Preliminary Bellack distillation not performed.
EPA 624: The laboratory uses a different desorb time and purge volume than stated in the method.
Iowa OA1: Benzene, toluene, ethylbenzene and xylenes (BTEX) are not analyzed along with the Gasoline Range Organics if client does not require BTEX.
EPA TO-12: Samples not analyzed in duplicate.
EPA TO-14A and TO-15: Zero humidified nitrogen is used in place of air for method blanks.
583-01

NELAC Certification

NELAC certifications are not held for the following analytes included in this report:

Method	Matrix	Analyte
8270C	Solid	Diphenylamine
		Hexachlorocyclopentadiene

Qualifiers

GCMS Volatiles

Qualifier	Qualifier Description
L	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
M8	The MS and/or MSD were below the acceptance limits. See Blank Spike (LCS).

GCMS Semivolatiles

Qualifier	Qualifier Description
L	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
M7	The MS and/or MSD were above the acceptance limits. See Blank Spike (LCS).
R2	The RPD exceeded the acceptance limit.

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.
B	Analyte was detected in the associated Method Blank.
M1	The MS and/or MSD were outside the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
MHA	Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information. See Blank Spike (LCS).
R2	The RPD exceeded the acceptance limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Detection Summary

Client: TITAN Engineering, Inc.
Project/Site: 583-01

TestAmerica Job ID: AVE0225

Client Sample ID: TB 20120517 — Lab Sample ID: AVE0225-01

No Detections

Client Sample ID: SB-2 1 — Lab Sample ID: AVE0225-02

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	3.44		0.581	0.133	mg/kg dry	5.00	☼	6020	Total
Barium	157	B	5.81	0.0108	mg/kg dry	5.00	☼	6020	Total
Cadmium	0.224	J	0.581	0.0145	mg/kg dry	5.00	☼	6020	Total
Chromium	17.7		0.581	0.381	mg/kg dry	5.00	☼	6020	Total
Lead	11.7		0.581	0.0285	mg/kg dry	5.00	☼	6020	Total
pH	8.08		0.100		pH Units	1.00		SW846 9045C	Total

Client Sample ID: SB-2 4 — Lab Sample ID: AVE0225-03

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	6.31		0.470	0.107	mg/kg dry	5.00	☼	6020	Total
Barium	129	B	4.70	0.00874	mg/kg dry	5.00	☼	6020	Total
Cadmium	0.210	J	0.470	0.0117	mg/kg dry	5.00	☼	6020	Total
Chromium	10.0		0.470	0.308	mg/kg dry	5.00	☼	6020	Total
Lead	9.13		0.470	0.0230	mg/kg dry	5.00	☼	6020	Total
pH	8.28		0.100		pH Units	1.00		SW846 9045C	Total

Client Sample ID: SB-2 9.5 — Lab Sample ID: AVE0225-04

No Detections

Client Sample ID: SB-3 1 — Lab Sample ID: AVE0225-05

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	3.17		0.573	0.131	mg/kg dry	5.00	☼	6020	Total
Barium	121	B	5.73	0.0107	mg/kg dry	5.00	☼	6020	Total
Cadmium	0.199	J	0.573	0.0143	mg/kg dry	5.00	☼	6020	Total
Chromium	16.4		0.573	0.376	mg/kg dry	5.00	☼	6020	Total
Lead	23.2		0.573	0.0281	mg/kg dry	5.00	☼	6020	Total
Mercury	0.0111	J	0.119	0.00807	mg/kg dry	1.00	☼	7471A	Total
pH	8.15		0.100		pH Units	1.00		SW846 9045C	Total

Client Sample ID: SB-3 4.5 — Lab Sample ID: AVE0225-06

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	3.23		0.601	0.137	mg/kg dry	5.00	☼	6020	Total
Barium	87.8	B	6.01	0.0112	mg/kg dry	5.00	☼	6020	Total
Cadmium	0.266	J	0.601	0.0150	mg/kg dry	5.00	☼	6020	Total
Chromium	12.9		0.601	0.394	mg/kg dry	5.00	☼	6020	Total
Lead	6.43		0.601	0.0295	mg/kg dry	5.00	☼	6020	Total
Mercury	0.0173	J	0.111	0.00755	mg/kg dry	1.00	☼	7471A	Total
pH	8.21		0.100		pH Units	1.00		SW846 9045C	Total

Client Sample ID: SB-4 1 — Lab Sample ID: AVE0225-07

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	0.0312	J	0.385	0.0232	mg/kg dry	1.00	☼	8270C	Total
Benzo[g,h,i]perylene	0.0369	J	0.385	0.0313	mg/kg dry	1.00	☼	8270C	Total
Chrysene	0.0339	J	0.385	0.0264	mg/kg dry	1.00	☼	8270C	Total
Fluoranthene	0.0894	J	0.385	0.0285	mg/kg dry	1.00	☼	8270C	Total

Client Sample ID: SB-4 1 (Continued) — Lab Sample ID: AVE0225-07

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	Dil Fac	D	Method	Prep Type
Pyrene	0.0970	J	0.385	0.0272	mg/kg dry	1.00	☼	8270C	Total
Arsenic	3.88		0.556	0.127	mg/kg dry	5.00	☼	6020	Total
Barium	166	B	5.56	0.0103	mg/kg dry	5.00	☼	6020	Total
Cadmium	0.222	J	0.556	0.0139	mg/kg dry	5.00	☼	6020	Total
Chromium	17.2		0.556	0.365	mg/kg dry	5.00	☼	6020	Total
Lead	11.3		0.556	0.0272	mg/kg dry	5.00	☼	6020	Total
pH	9.79		0.100		pH Units	1.00		SW846 9045C	Total

Client Sample ID: SB-4 4 — Lab Sample ID: AVE0225-08

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	5.29		0.584	0.134	mg/kg dry	5.00	☼	6020	Total
Barium	71.5	B	5.84	0.0109	mg/kg dry	5.00	☼	6020	Total
Cadmium	0.258	J	0.584	0.0146	mg/kg dry	5.00	☼	6020	Total
Chromium	8.58		0.584	0.383	mg/kg dry	5.00	☼	6020	Total
Lead	4.85		0.584	0.0286	mg/kg dry	5.00	☼	6020	Total
pH	8.37		0.100		pH Units	1.00		SW846 9045C	Total

Client Sample ID: SB-5 1 — Lab Sample ID: AVE0225-09

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	0.0159		0.0121	0.00554	mg/kg dry	1.00	☼	8260B	Total
Acetone	0.0503	J	0.0603	0.00574	mg/kg dry	1.00	☼	8260B	Total
Arsenic	4.03		0.483	0.110	mg/kg dry	5.00	☼	6020	Total
Barium	169	B	4.83	0.00898	mg/kg dry	5.00	☼	6020	Total
Cadmium	0.235	J	0.483	0.0121	mg/kg dry	5.00	☼	6020	Total
Chromium	17.6		0.483	0.317	mg/kg dry	5.00	☼	6020	Total
Lead	18.3		0.483	0.0237	mg/kg dry	5.00	☼	6020	Total
Mercury	0.0154	J	0.117	0.00795	mg/kg dry	1.00	☼	7471A	Total
pH	8.30		0.100		pH Units	1.00		SW846 9045C	Total

Client Sample ID: SB-5 5 — Lab Sample ID: AVE0225-10

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	0.00852	J	0.0129	0.00591	mg/kg dry	1.00	☼	8260B	Total
Acetone	0.0264	J	0.0643	0.00613	mg/kg dry	1.00	☼	8260B	Total
Bis(2-ethylhexyl) phthalate	0.102	J	0.426	0.0540	mg/kg dry	1.00	☼	8270C	Total
Arsenic	2.18		0.615	0.141	mg/kg dry	5.00	☼	6020	Total
Barium	149	B	6.15	0.0114	mg/kg dry	5.00	☼	6020	Total
Cadmium	0.148	J	0.615	0.0154	mg/kg dry	5.00	☼	6020	Total
Chromium	18.4		0.615	0.404	mg/kg dry	5.00	☼	6020	Total
Lead	16.3		0.615	0.0301	mg/kg dry	5.00	☼	6020	Total
Selenium	0.243	J	0.615	0.229	mg/kg dry	5.00	☼	6020	Total
pH	8.25		0.100		pH Units	1.00		SW846 9045C	Total

Client Sample ID: SB-5 9 — Lab Sample ID: AVE0225-11

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.00952	J	0.0611	0.00582	mg/kg dry	1.00	☼	8260B	Total

Client Sample ID: EB-20120517 — Lab Sample ID: AVE0225-

Client Sample ID: EB-20120517 (Continued) — Lab Sample ID: AVE0225-12

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.00713		0.00500	0.00154	mg/L	1.00		8260B	Total

Client Sample ID: SB-6 1 — Lab Sample ID: AVE0225-13

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	4.88		0.611	0.140	mg/kg dry	5.00	☼	6020	Total
Barium	164	B	6.11	0.0114	mg/kg dry	5.00	☼	6020	Total
Cadmium	0.274	J	0.611	0.0153	mg/kg dry	5.00	☼	6020	Total
Chromium	17.7		0.611	0.401	mg/kg dry	5.00	☼	6020	Total
Lead	24.8		0.611	0.0299	mg/kg dry	5.00	☼	6020	Total
Mercury	0.0124	J	0.116	0.00786	mg/kg dry	1.00	☼	7471A	Total
pH	8.17		0.100		pH Units	1.00		SW846 9045C	Total

Client Sample ID: SB-6 2.5 — Lab Sample ID: AVE0225-14

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	0.0347		0.0128	0.00590	mg/kg dry	1.00	☼	8260B	Total
Acetone	0.111		0.0641	0.00611	mg/kg dry	1.00	☼	8260B	Total
Arsenic	3.32		0.635	0.145	mg/kg dry	5.00	☼	6020	Total
Barium	146	B	6.35	0.0118	mg/kg dry	5.00	☼	6020	Total
Cadmium	0.217	J	0.635	0.0159	mg/kg dry	5.00	☼	6020	Total
Chromium	21.2		0.635	0.417	mg/kg dry	5.00	☼	6020	Total
Lead	20.1		0.635	0.0311	mg/kg dry	5.00	☼	6020	Total
pH	8.11		0.100		pH Units	1.00		SW846 9045C	Total

Client Sample ID: SB-7 1 — Lab Sample ID: AVE0225-15

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	5.06		0.568	0.130	mg/kg dry	5.00	☼	6020	Total
Barium	188	B	5.68	0.0106	mg/kg dry	5.00	☼	6020	Total
Cadmium	4.00		0.568	0.0142	mg/kg dry	5.00	☼	6020	Total
Chromium	23.9		0.568	0.372	mg/kg dry	5.00	☼	6020	Total
Lead	49.5		0.568	0.0278	mg/kg dry	5.00	☼	6020	Total
Mercury	0.0159	J	0.120	0.00814	mg/kg dry	1.00	☼	7471A	Total
pH	8.32		0.100		pH Units	1.00		SW846 9045C	Total

Client Sample ID: SB-7 5 — Lab Sample ID: AVE0225-16

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	0.0110	J	0.0122	0.00561	mg/kg dry	1.00	☼	8260B	Total
Acetone	0.0383	J	0.0610	0.00581	mg/kg dry	1.00	☼	8260B	Total
Arsenic	3.58		0.500	0.114	mg/kg dry	5.00	☼	6020	Total
Barium	210	B	5.00	0.00930	mg/kg dry	5.00	☼	6020	Total
Cadmium	0.209	J	0.500	0.0125	mg/kg dry	5.00	☼	6020	Total
Chromium	20.0		0.500	0.328	mg/kg dry	5.00	☼	6020	Total
Lead	15.3		0.500	0.0245	mg/kg dry	5.00	☼	6020	Total
Mercury	0.0126	J	0.111	0.00754	mg/kg dry	1.00	☼	7471A	Total
pH	8.20		0.100		pH Units	1.00		SW846 9045C	Total

Client Sample ID: SB-7 7.5 — Lab Sample ID: AVE0225-17

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	0.00587	J	0.0118	0.00544	mg/kg dry	1.00	☼	8260B	Total

Client Sample ID: SB-7 7.5 (Continued)

Lab Sample ID: AVE0225-17

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.0188	J	0.0592	0.00564	mg/kg dry	1.00	☼	8260B	Total

Client Sample ID: TB-20120516

Lab Sample ID: AVE0225-18

No Detections

Client Sample ID: TMW-1 1

Lab Sample ID: AVE0225-19

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	0.0282		0.0129	0.00594	mg/kg dry	1.00	☼	8260B	Total
Acetone	0.0951		0.0646	0.00615	mg/kg dry	1.00	☼	8260B	Total
Bis(2-ethylhexyl) phthalate	0.0895	J	0.427	0.0542	mg/kg dry	1.00	☼	8270C	Total
Arsenic	4.29		0.599	0.137	mg/kg dry	5.00	☼	6020	Total
Barium	154	B	5.99	0.0111	mg/kg dry	5.00	☼	6020	Total
Cadmium	0.228	J	0.599	0.0150	mg/kg dry	5.00	☼	6020	Total
Chromium	23.7		0.599	0.393	mg/kg dry	5.00	☼	6020	Total
Lead	18.2		0.599	0.0294	mg/kg dry	5.00	☼	6020	Total
Mercury	0.0152	J	0.129	0.00880	mg/kg dry	1.00	☼	7471A	Total
pH	11.1		0.100		pH Units	1.00		SW846 9045C	Total

Client Sample ID: TMW-1 4.5

Lab Sample ID: AVE0225-20

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	0.00599	J	0.0130	0.00596	mg/kg dry	1.00	☼	8260B	Total
Acetone	0.0210	J	0.0648	0.00617	mg/kg dry	1.00	☼	8260B	Total
Arsenic	2.74		0.586	0.134	mg/kg dry	5.00	☼	6020	Total
Barium	143	B	5.86	0.0109	mg/kg dry	5.00	☼	6020	Total
Cadmium	0.195	J	0.586	0.0146	mg/kg dry	5.00	☼	6020	Total
Chromium	18.6		0.586	0.384	mg/kg dry	5.00	☼	6020	Total
Lead	16.0		0.586	0.0287	mg/kg dry	5.00	☼	6020	Total
Selenium	0.278	J	0.586	0.218	mg/kg dry	5.00	☼	6020	Total
pH	8.40		0.100		pH Units	1.00		SW846 9045C	Total

Client Sample ID: TMW-2 0.5

Lab Sample ID: AVE0225-21

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.0134	J	0.0602	0.00573	mg/kg dry	1.00	☼	8260B	Total
Bis(2-ethylhexyl) phthalate	0.0557	J	0.401	0.0509	mg/kg dry	1.00	☼	8270C	Total
Arsenic	2.34		0.558	0.127	mg/kg dry	5.00	☼	6020	Total
Barium	109	B	5.58	0.0104	mg/kg dry	5.00	☼	6020	Total
Cadmium	0.199	J	0.558	0.0139	mg/kg dry	5.00	☼	6020	Total
Chromium	15.7		0.558	0.366	mg/kg dry	5.00	☼	6020	Total
Lead	15.4		0.558	0.0273	mg/kg dry	5.00	☼	6020	Total
Selenium	0.327	J	0.558	0.207	mg/kg dry	5.00	☼	6020	Total
Mercury	0.0131	J	0.118	0.00800	mg/kg dry	1.00	☼	7471A	Total
pH	8.32		0.100		pH Units	1.00		SW846 9045C	Total

Client Sample ID: TMW-2 4.5

Lab Sample ID: AVE0225-22

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	3.74		0.600	0.137	mg/kg dry	5.00	☼	6020	Total
Barium	241	B	6.00	0.0112	mg/kg dry	5.00	☼	6020	Total
Cadmium	0.289	J	0.600	0.0150	mg/kg dry	5.00	☼	6020	Total
Chromium	9.28		0.600	0.394	mg/kg dry	5.00	☼	6020	Total

Client Sample ID: TMW-2 4.5 (Continued) — Lab Sample ID: AVE0225-22

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	Dil Fac	D	Method	Prep Type
Lead	9.06		0.600	0.0294	mg/kg dry	5.00	☼	6020	Total
pH	8.61		0.100		pH Units	1.00		SW846 9045C	Total

Client Sample ID: TMW-3 1 — Lab Sample ID: AVE0225-23

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	6.05		0.539	0.123	mg/kg dry	5.00	☼	6020	Total
Barium	76.9	B	5.39	0.0100	mg/kg dry	5.00	☼	6020	Total
Cadmium	0.212	J	0.539	0.0135	mg/kg dry	5.00	☼	6020	Total
Chromium	7.06		0.539	0.354	mg/kg dry	5.00	☼	6020	Total
Lead	4.75		0.539	0.0264	mg/kg dry	5.00	☼	6020	Total
Selenium	0.244	J	0.539	0.201	mg/kg dry	5.00	☼	6020	Total
pH	8.56		0.100		pH Units	1.00		SW846 9045C	Total

Client Sample ID: TMW-3 4.5 — Lab Sample ID: AVE0225-24

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	2.59		0.516	0.118	mg/kg dry	5.00	☼	6020	Total
Barium	89.0	B	5.16	0.00959	mg/kg dry	5.00	☼	6020	Total
Cadmium	0.214	J	0.516	0.0129	mg/kg dry	5.00	☼	6020	Total
Chromium	9.08		0.516	0.338	mg/kg dry	5.00	☼	6020	Total
Lead	4.32		0.516	0.0253	mg/kg dry	5.00	☼	6020	Total
pH	8.31		0.100		pH Units	1.00		SW846 9045C	Total

Client Sample ID: TMW-3 6.5 — Lab Sample ID: AVE0225-25

No Detections

Client Sample ID: EB-20120516 — Lab Sample ID: AVE0225-26

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.00359	J	0.00500	0.00154	mg/L	1.00		8260B	Total

Client Sample ID: TMW-4 1 — Lab Sample ID: AVE0225-27

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	0.00857	J	0.0122	0.00562	mg/kg dry	1.00	☼	8260B	Total
Acetone	0.0241	J	0.0611	0.00582	mg/kg dry	1.00	☼	8260B	Total
Bis(2-ethylhexyl) phthalate	0.102	J	0.405	0.0514	mg/kg dry	1.00	☼	8270C	Total
Arsenic	4.61		0.580	0.133	mg/kg dry	5.00	☼	6020	Total
Barium	175	B	5.80	0.0108	mg/kg dry	5.00	☼	6020	Total
Cadmium	0.400	J	0.580	0.0145	mg/kg dry	5.00	☼	6020	Total
Chromium	18.1		0.580	0.381	mg/kg dry	5.00	☼	6020	Total
Lead	44.5		0.580	0.0284	mg/kg dry	5.00	☼	6020	Total
Mercury	0.0124	J	0.101	0.00687	mg/kg dry	1.00	☼	7471A	Total
pH	9.03		0.100		pH Units	1.00		SW846 9045C	Total

Client Sample ID: TMW-4 4.5 — Lab Sample ID: AVE0225-28

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	0.0147		0.0125	0.00574	mg/kg dry	1.00	☼	8260B	Total
Acetone	0.0418	J	0.0625	0.00595	mg/kg dry	1.00	☼	8260B	Total
Bis(2-ethylhexyl) phthalate	0.0752	J	0.412	0.0523	mg/kg dry	1.00	☼	8270C	Total
Butyl benzyl phthalate	0.231	J	0.412	0.0326	mg/kg dry	1.00	☼	8270C	Total

Client Sample ID: TMW-4 4.5 (Continued) — Lab Sample ID: AVE0225-28

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	3.53		0.626	0.143	mg/kg dry	5.00	☼	6020	Total
Barium	154	B	6.26	0.0116	mg/kg dry	5.00	☼	6020	Total
Cadmium	0.203	J	0.626	0.0156	mg/kg dry	5.00	☼	6020	Total
Chromium	17.2		0.626	0.411	mg/kg dry	5.00	☼	6020	Total
Lead	16.1		0.626	0.0307	mg/kg dry	5.00	☼	6020	Total
Mercury	0.00861	J	0.112	0.00762	mg/kg dry	1.00	☼	7471A	Total
pH	8.33		0.100		pH Units	1.00		SW846 9045C	Total

Client Sample ID: TMW-5 1 — Lab Sample ID: AVE0225-29

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-chloroethyl)ether	0.204	J	0.404	0.0419	mg/kg dry	1.00	☼	8270C	Total
Arsenic	2.76		0.514	0.117	mg/kg dry	5.00	☼	6020	Total
Barium	120	B	5.14	0.00956	mg/kg dry	5.00	☼	6020	Total
Cadmium	0.205	J	0.514	0.0128	mg/kg dry	5.00	☼	6020	Total
Chromium	14.9		0.514	0.337	mg/kg dry	5.00	☼	6020	Total
Lead	16.4		0.514	0.0252	mg/kg dry	5.00	☼	6020	Total
Selenium	0.285	J	0.514	0.191	mg/kg dry	5.00	☼	6020	Total
Mercury	0.0174	J	0.101	0.00684	mg/kg dry	1.00	☼	7471A	Total
pH	8.19		0.100		pH Units	1.00		SW846 9045C	Total

Client Sample ID: TMW-5 4.5 — Lab Sample ID: AVE0225-30

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	2.00		0.570	0.130	mg/kg dry	5.00	☼	6020	Total
Barium	155	B	5.70	0.0106	mg/kg dry	5.00	☼	6020	Total
Cadmium	0.189	J	0.570	0.0142	mg/kg dry	5.00	☼	6020	Total
Chromium	18.4		0.570	0.374	mg/kg dry	5.00	☼	6020	Total
Lead	14.1		0.570	0.0279	mg/kg dry	5.00	☼	6020	Total
Selenium	0.214	J	0.570	0.212	mg/kg dry	5.00	☼	6020	Total
pH	8.22		0.100		pH Units	1.00		SW846 9045C	Total

Client Sample ID: TMW-5 6 — Lab Sample ID: AVE0225-31

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	0.0135		0.0119	0.00545	mg/kg dry	1.00	☼	8260B	Total
Acetone	0.0423	J	0.0593	0.00564	mg/kg dry	1.00	☼	8260B	Total

Client Sample ID: SB-1 1 — Lab Sample ID: AVE0225-32

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	0.0113	J	0.0124	0.00570	mg/kg dry	1.00	☼	8260B	Total
Acetone	0.0445	J	0.0620	0.00590	mg/kg dry	1.00	☼	8260B	Total
Arsenic	3.69		0.623	0.142	mg/kg dry	5.00	☼	6020	Total
Barium	150	B	6.23	0.0116	mg/kg dry	5.00	☼	6020	Total
Cadmium	0.218	J	0.623	0.0156	mg/kg dry	5.00	☼	6020	Total
Chromium	15.2		0.623	0.408	mg/kg dry	5.00	☼	6020	Total
Lead	16.7		0.623	0.0305	mg/kg dry	5.00	☼	6020	Total
Mercury	0.0117	J	0.125	0.00847	mg/kg dry	1.00	☼	7471A	Total
pH	11.1		0.100		pH Units	1.00		SW846 9045C	Total

Client Sample ID: SB-1 4.5 — Lab Sample ID: AVE0225-33

Detection Summary

Client: TITAN Engineering, Inc.
Project/Site: 583-01

TestAmerica Job ID: AVE0225

Client Sample ID: SB-1 4.5 (Continued) — Lab Sample ID: AVE0225-33

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	0.00598	J	0.0129	0.00592	mg/kg dry	1.00	☼	8260B	Total
Acetone	0.0181	J	0.0644	0.00613	mg/kg dry	1.00	☼	8260B	Total
Bis(2-ethylhexyl) phthalate	0.243	J	0.430	0.0546	mg/kg dry	1.00	☼	8270C	Total
Arsenic	2.93		0.653	0.149	mg/kg dry	5.00	☼	6020	Total
Barium	172	B	6.53	0.0121	mg/kg dry	5.00	☼	6020	Total
Cadmium	0.103	J	0.653	0.0163	mg/kg dry	5.00	☼	6020	Total
Chromium	13.3		0.653	0.428	mg/kg dry	5.00	☼	6020	Total
Lead	14.9		0.653	0.0320	mg/kg dry	5.00	☼	6020	Total
Selenium	0.288	J	0.653	0.243	mg/kg dry	5.00	☼	6020	Total
pH	9.11		0.100		pH Units	1.00		SW846 9045C	Total

Sample Summary

Client: TITAN Engineering, Inc.
Project/Site: 583-01

TestAmerica Job ID: AVE0225

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
AVE0225-01	TB 20120517	Water	05/17/12 07:00	05/18/12 08:4
AVE0225-02	SB-2 1	Solid	05/17/12 08:10	05/18/12 08:45
AVE0225-03	SB-2 4	Solid	05/17/12 08:15	05/18/12 08:45
AVE0225-04	SB-2 9.5	Solid	05/17/12 08:30	05/18/12 08:45
AVE0225-05	SB-3 1	Solid	05/17/12 09:05	05/18/12 08:45
AVE0225-06	SB-3 4.5	Solid	05/17/12 09:10	05/18/12 08:45
AVE0225-07	SB-4 1	Solid	05/17/12 09:40	05/18/12 08:45
AVE0225-08	SB-4 4	Solid	05/17/12 09:45	05/18/12 08:45
AVE0225-09	SB-5 1	Solid	05/17/12 10:15	05/18/12 08:45
AVE0225-10	SB-5 5	Solid	05/17/12 10:20	05/18/12 08:45
AVE0225-11	SB-5 9	Solid	05/17/12 10:30	05/18/12 08:45
AVE0225-12	EB-20120517	Water	05/17/12 10:50	05/18/12 08:45
AVE0225-13	SB-6 1	Solid	05/17/12 11:15	05/18/12 08:45
AVE0225-14	SB-6 2.5	Solid	05/17/12 11:20	05/18/12 08:45
AVE0225-15	SB-7 1	Solid	05/17/12 11:50	05/18/12 08:45
AVE0225-16	SB-7 5	Solid	05/17/12 11:55	05/18/12 08:45
AVE0225-17	SB-7 7.5	Solid	05/17/12 12:00	05/18/12 08:45
AVE0225-18	TB-20120516	Water	05/16/12 07:00	05/18/12 08:45
AVE0225-19	TMW-1 1	Solid	05/16/12 08:25	05/18/12 08:45
AVE0225-20	TMW-1 4.5	Solid	05/16/12 08:30	05/18/12 08:45
AVE0225-21	TMW-2 0.5	Solid	05/16/12 10:00	05/18/12 08:45
AVE0225-22	TMW-2 4.5	Solid	05/16/12 10:05	05/18/12 08:45
AVE0225-23	TMW-3 1	Solid	05/16/12 11:00	05/18/12 08:45
AVE0225-24	TMW-3 4.5	Solid	05/16/12 11:05	05/18/12 08:45
AVE0225-25	TMW-3 6.5	Solid	05/16/12 11:15	05/18/12 08:45
AVE0225-26	EB-20120516	Water	05/16/12 12:00	05/18/12 08:
AVE0225-27	TMW-4 1	Solid	05/16/12 12:45	05/18/12 08:4
AVE0225-28	TMW-4 4.5	Solid	05/16/12 12:50	05/18/12 08:45
AVE0225-29	TMW-5 1	Solid	05/16/12 13:55	05/18/12 08:45
AVE0225-30	TMW-5 4.5	Solid	05/16/12 14:00	05/18/12 08:45
AVE0225-31	TMW-5 6	Solid	05/16/12 14:05	05/18/12 08:45
AVE0225-32	SB-1 1	Solid	05/16/12 14:45	05/18/12 08:45
AVE0225-33	SB-1 4.5	Solid	05/16/12 14:50	05/18/12 08:45

Client Sample Results

Client: TITAN Engineering, Inc.
Project/Site: 583-01

TestAmerica Job ID: AVE0225

Client Sample ID: TB 20120517

Date Collected: 05/17/12 07:00
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-01

Matrix: Water

Method: 8260B - Volatile Organic Compounds by SW846 8260B

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.00100	0.000332	mg/L		05/22/12 10:43	05/22/12 17:02	1.00
1,1,1-Trichloroethane	ND		0.00100	0.000360	mg/L		05/22/12 10:43	05/22/12 17:02	1.00
1,1,2,2-Tetrachloroethane	ND		0.00100	0.000310	mg/L		05/22/12 10:43	05/22/12 17:02	1.00
1,1,2-Trichloroethane	ND		0.00100	0.000352	mg/L		05/22/12 10:43	05/22/12 17:02	1.00
1,1-Dichloroethane	ND		0.00100	0.000374	mg/L		05/22/12 10:43	05/22/12 17:02	1.00
1,1-Dichloroethene	ND		0.00100	0.000427	mg/L		05/22/12 10:43	05/22/12 17:02	1.00
1,2,4-Trimethylbenzene	ND		0.00100	0.000598	mg/L		05/22/12 10:43	05/22/12 17:02	1.00
1,2-Dibromoethane (EDB)	ND		0.00100	0.000500	mg/L		05/22/12 10:43	05/22/12 17:02	1.00
1,2-Dichlorobenzene	ND		0.00100	0.000434	mg/L		05/22/12 10:43	05/22/12 17:02	1.00
1,2-Dichloroethane	ND		0.00100	0.000392	mg/L		05/22/12 10:43	05/22/12 17:02	1.00
1,2-Dichloropropane	ND		0.00100	0.000373	mg/L		05/22/12 10:43	05/22/12 17:02	1.00
1,3-Dichlorobenzene	ND		0.00100	0.000386	mg/L		05/22/12 10:43	05/22/12 17:02	1.00
1,4-Dichlorobenzene	ND		0.00100	0.000293	mg/L		05/22/12 10:43	05/22/12 17:02	1.00
2-Butanone (MEK)	ND		0.00500	0.00110	mg/L		05/22/12 10:43	05/22/12 17:02	1.00
2-Hexanone	ND		0.0100	0.00500	mg/L		05/22/12 10:43	05/22/12 17:02	1.00
4-Isopropyltoluene	ND		0.00100	0.000633	mg/L		05/22/12 10:43	05/22/12 17:02	1.00
4-Methyl-2-pentanone (MIBK)	ND		0.00500	0.00108	mg/L		05/22/12 10:43	05/22/12 17:02	1.00
Acetone	ND		0.00500	0.00154	mg/L		05/22/12 10:43	05/22/12 17:02	1.00
Benzene	ND		0.00100	0.000339	mg/L		05/22/12 10:43	05/22/12 17:02	1.00
Bromobenzene	ND		0.00100	0.000394	mg/L		05/22/12 10:43	05/22/12 17:02	1.00
Bromochloromethane	ND		0.00100	0.000368	mg/L		05/22/12 10:43	05/22/12 17:02	1.00
Bromodichloromethane	ND		0.00100	0.000369	mg/L		05/22/12 10:43	05/22/12 17:02	1.00
Bromoethane	ND		0.0100	0.000381	mg/L		05/22/12 10:43	05/22/12 17:02	1.00
Bromoform	ND		0.00200	0.000684	mg/L		05/22/12 10:43	05/22/12 17:02	1.00
Bromomethane	ND		0.00200	0.00116	mg/L		05/22/12 10:43	05/22/12 17:02	1.00
Carbon disulfide	ND		0.00100	0.000383	mg/L		05/22/12 10:43	05/22/12 17:02	1.00
Carbon tetrachloride	ND		0.00100	0.000335	mg/L		05/22/12 10:43	05/22/12 17:02	1.00
Chlorobenzene	ND		0.00100	0.000333	mg/L		05/22/12 10:43	05/22/12 17:02	1.00
Chlorodibromomethane	ND		0.00100	0.000278	mg/L		05/22/12 10:43	05/22/12 17:02	1.00
Chloroethane	ND		0.00200	0.00134	mg/L		05/22/12 10:43	05/22/12 17:02	1.00
Chloroform	ND		0.00100	0.000349	mg/L		05/22/12 10:43	05/22/12 17:02	1.00
Chloromethane	ND		0.00200	0.000546	mg/L		05/22/12 10:43	05/22/12 17:02	1.00
cis-1,2-Dichloroethene	ND		0.00100	0.000367	mg/L		05/22/12 10:43	05/22/12 17:02	1.00
cis-1,3-Dichloropropene	ND		0.00100	0.000500	mg/L		05/22/12 10:43	05/22/12 17:02	1.00
Dibromomethane	ND		0.00100	0.000407	mg/L		05/22/12 10:43	05/22/12 17:02	1.00
Dichlorodifluoromethane	ND		0.00200	0.000581	mg/L		05/22/12 10:43	05/22/12 17:02	1.00
Ethylbenzene	ND		0.00100	0.000416	mg/L		05/22/12 10:43	05/22/12 17:02	1.00
Hexachlorobutadiene	ND		0.00100	0.000567	mg/L		05/22/12 10:43	05/22/12 17:02	1.00
Isopropylbenzene	ND		0.00100	0.000332	mg/L		05/22/12 10:43	05/22/12 17:02	1.00
Methyl tert-Butyl Ether	ND		0.00100	0.000336	mg/L		05/22/12 10:43	05/22/12 17:02	1.00
Methylene chloride	ND		0.00200	0.000422	mg/L		05/22/12 10:43	05/22/12 17:02	1.00
n-Butylbenzene	ND		0.00100	0.000878	mg/L		05/22/12 10:43	05/22/12 17:02	1.00
n-Propylbenzene	ND		0.00100	0.000441	mg/L		05/22/12 10:43	05/22/12 17:02	1.00
sec-Butylbenzene	ND		0.00100	0.000609	mg/L		05/22/12 10:43	05/22/12 17:02	1.00
Styrene	ND		0.00100	0.000269	mg/L		05/22/12 10:43	05/22/12 17:02	1.00
tert-Butylbenzene	ND		0.00100	0.000310	mg/L		05/22/12 10:43	05/22/12 17:02	1.00
Tetrachloroethene	ND		0.00100	0.000640	mg/L		05/22/12 10:43	05/22/12 17:02	1.00
Toluene	ND		0.00100	0.000288	mg/L		05/22/12 10:43	05/22/12 17:02	1.00
trans-1,2-Dichloroethene	ND		0.00100	0.000372	mg/L		05/22/12 10:43	05/22/12 17:02	1.00
trans-1,3-Dichloropropene	ND		0.00100	0.000220	mg/L		05/22/12 10:43	05/22/12 17:02	1.00
Trichloroethene	ND		0.00100	0.000449	mg/L		05/22/12 10:43	05/22/12 17:02	1.00

Client Sample ID: TB 20120517

Date Collected: 05/17/12 07:00
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-01

Matrix: Wat

Method: 8260B - Volatile Organic Compounds by SW846 8260B (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		0.00200	0.000573	mg/L		05/22/12 10:43	05/22/12 17:02	1.00
Vinyl chloride	ND		0.00200	0.000537	mg/L		05/22/12 10:43	05/22/12 17:02	1.00
Xylenes, total	ND		0.00300	0.00120	mg/L		05/22/12 10:43	05/22/12 17:02	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*114*		*69 - 133*	*05/22/12 10:43*	*05/22/12 17:02*	*1.00*
4-Bromofluorobenzene	*102*		*66 - 124*	*05/22/12 10:43*	*05/22/12 17:02*	*1.00*
Dibromofluoromethane	*113*		*81 - 127*	*05/22/12 10:43*	*05/22/12 17:02*	*1.00*
Toluene-d8	*104*		*87 - 121*	*05/22/12 10:43*	*05/22/12 17:02*	*1.00*

Client Sample Results

Client: TITAN Engineering, Inc.
Project/Site: 583-01

TestAmerica Job ID: AVE0225

Client Sample ID: SB-2 1
Date Collected: 05/17/12 08:10
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-02
Matrix: Solid
Percent Solids: 82.7

Method: 8260B - Volatile Organic Compounds by SW846 8260B

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.00594	0.00197	mg/kg dry	☼	05/22/12 12:45	05/22/12 20:41	1.00
1,1,1-Trichloroethane	ND		0.00594	0.00154	mg/kg dry	☼	05/22/12 12:45	05/22/12 20:41	1.00
1,1,2,2-Tetrachloroethane	ND		0.00594	0.00378	mg/kg dry	☼	05/22/12 12:45	05/22/12 20:41	1.00
1,1,2-Trichloroethane	ND		0.00594	0.00263	mg/kg dry	☼	05/22/12 12:45	05/22/12 20:41	1.00
1,1-Dichloroethane	ND		0.00594	0.000801	mg/kg dry	☼	05/22/12 12:45	05/22/12 20:41	1.00
1,1-Dichloroethene	ND		0.00594	0.00102	mg/kg dry	☼	05/22/12 12:45	05/22/12 20:41	1.00
1,2,4-Trimethylbenzene	ND		0.00594	0.00239	mg/kg dry	☼	05/22/12 12:45	05/22/12 20:41	1.00
1,2-Dibromoethane (EDB)	ND		0.00594	0.00179	mg/kg dry	☼	05/22/12 12:45	05/22/12 20:41	1.00
1,2-Dichlorobenzene	ND		0.00594	0.00290	mg/kg dry	☼	05/22/12 12:45	05/22/12 20:41	1.00
1,2-Dichloroethane	ND		0.00594	0.00102	mg/kg dry	☼	05/22/12 12:45	05/22/12 20:41	1.00
1,2-Dichloropropane	ND		0.00594	0.000809	mg/kg dry	☼	05/22/12 12:45	05/22/12 20:41	1.00
1,3-Dichlorobenzene	ND		0.00594	0.00230	mg/kg dry	☼	05/22/12 12:45	05/22/12 20:41	1.00
1,4-Dichlorobenzene	ND		0.00594	0.00224	mg/kg dry	☼	05/22/12 12:45	05/22/12 20:41	1.00
2-Butanone (MEK)	ND		0.0119	0.00546	mg/kg dry	☼	05/22/12 12:45	05/22/12 20:41	1.00
2-Hexanone	ND		0.0119	0.00407	mg/kg dry	☼	05/22/12 12:45	05/22/12 20:41	1.00
4-Isopropyltoluene	ND		0.00594	0.00201	mg/kg dry	☼	05/22/12 12:45	05/22/12 20:41	1.00
4-Methyl-2-pentanone (MIBK)	ND		0.0119	0.00303	mg/kg dry	☼	05/22/12 12:45	05/22/12 20:41	1.00
Acetone	ND		0.0594	0.00565	mg/kg dry	☼	05/22/12 12:45	05/22/12 20:41	1.00
Benzene	ND		0.00594	0.000926	mg/kg dry	☼	05/22/12 12:45	05/22/12 20:41	1.00
Bromobenzene	ND		0.00594	0.00274	mg/kg dry	☼	05/22/12 12:45	05/22/12 20:41	1.00
Bromochloromethane	ND		0.00594	0.000946	mg/kg dry	☼	05/22/12 12:45	05/22/12 20:41	1.00
Bromodichloromethane	ND		0.00594	0.000811	mg/kg dry	☼	05/22/12 12:45	05/22/12 20:41	1.00
Bromoethane	ND		0.0119	0.00133	mg/kg dry	☼	05/22/12 12:45	05/22/12 20:41	1.00
Bromoform	ND		0.00594	0.00147	mg/kg dry	☼	05/22/12 12:45	05/22/12 20:41	1.00
Bromomethane	ND		0.0119	0.00109	mg/kg dry	☼	05/22/12 12:45	05/22/12 20:41	1.00
Carbon disulfide	ND		0.00594	0.00118	mg/kg dry	☼	05/22/12 12:45	05/22/12 20:41	1.00
Carbon tetrachloride	ND		0.00594	0.00135	mg/kg dry	☼	05/22/12 12:45	05/22/12 20:41	1.00
Chlorobenzene	ND		0.00594	0.00102	mg/kg dry	☼	05/22/12 12:45	05/22/12 20:41	1.00
Chlorodibromomethane	ND		0.00594	0.00211	mg/kg dry	☼	05/22/12 12:45	05/22/12 20:41	1.00
Chloroethane	ND		0.0119	0.00182	mg/kg dry	☼	05/22/12 12:45	05/22/12 20:41	1.00
Chloroform	ND		0.00594	0.000867	mg/kg dry	☼	05/22/12 12:45	05/22/12 20:41	1.00
Chloromethane	ND		0.0119	0.00358	mg/kg dry	☼	05/22/12 12:45	05/22/12 20:41	1.00
cis-1,2-Dichloroethene	ND		0.00594	0.000754	mg/kg dry	☼	05/22/12 12:45	05/22/12 20:41	1.00
cis-1,3-Dichloropropene	ND		0.00594	0.00155	mg/kg dry	☼	05/22/12 12:45	05/22/12 20:41	1.00
Dibromomethane	ND		0.00594	0.00105	mg/kg dry	☼	05/22/12 12:45	05/22/12 20:41	1.00
Dichlorodifluoromethane	ND		0.0237	0.0119	mg/kg dry	☼	05/22/12 12:45	05/22/12 20:41	1.00
Ethylbenzene	ND		0.00594	0.00144	mg/kg dry	☼	05/22/12 12:45	05/22/12 20:41	1.00
Hexachlorobutadiene	ND		0.00594	0.00216	mg/kg dry	☼	05/22/12 12:45	05/22/12 20:41	1.00
Isopropylbenzene	ND		0.00594	0.00215	mg/kg dry	☼	05/22/12 12:45	05/22/12 20:41	1.00
Methyl tert-Butyl Ether	ND		0.00594	0.00103	mg/kg dry	☼	05/22/12 12:45	05/22/12 20:41	1.00
Methylene chloride	ND		0.00594	0.00126	mg/kg dry	☼	05/22/12 12:45	05/22/12 20:41	1.00
n-Butylbenzene	ND		0.00594	0.00197	mg/kg dry	☼	05/22/12 12:45	05/22/12 20:41	1.00
n-Propylbenzene	ND		0.00594	0.00217	mg/kg dry	☼	05/22/12 12:45	05/22/12 20:41	1.00
sec-Butylbenzene	ND		0.00594	0.00250	mg/kg dry	☼	05/22/12 12:45	05/22/12 20:41	1.00
Styrene	ND		0.00594	0.00195	mg/kg dry	☼	05/22/12 12:45	05/22/12 20:41	1.00
tert-Butylbenzene	ND		0.00594	0.00225	mg/kg dry	☼	05/22/12 12:45	05/22/12 20:41	1.00
Tetrachloroethene	ND		0.00594	0.00187	mg/kg dry	☼	05/22/12 12:45	05/22/12 20:41	1.00
Toluene	ND		0.00594	0.00118	mg/kg dry	☼	05/22/12 12:45	05/22/12 20:41	1.00
trans-1,2-Dichloroethene	ND		0.00594	0.00101	mg/kg dry	☼	05/22/12 12:45	05/22/12 20:41	1.00
trans-1,3-Dichloropropene	ND		0.00594	0.00196	mg/kg dry	☼	05/22/12 12:45	05/22/12 20:41	1.00
Trichloroethene	ND		0.00594	0.00112	mg/kg dry	☼	05/22/12 12:45	05/22/12 20:41	1.00

Client Sample ID: SB-2 1

Date Collected: 05/17/12 08:10
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-02

Matrix: Soil
Percent Solids: 82.

Method: 8260B - Volatile Organic Compounds by SW846 8260B (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		0.0119	0.00123	mg/kg dry	☼	05/22/12 12:45	05/22/12 20:41	1.00
Vinyl chloride	ND		0.00594	0.00175	mg/kg dry	☼	05/22/12 12:45	05/22/12 20:41	1.00
Xylenes, total	ND		0.0178	0.00356	mg/kg dry	☼	05/22/12 12:45	05/22/12 20:41	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*117*		*67 - 127*	*05/22/12 12:45*	*05/22/12 20:41*	*1.00*
4-Bromofluorobenzene	*106*		*59 - 119*	*05/22/12 12:45*	*05/22/12 20:41*	*1.00*
Dibromofluoromethane	*99*		*69 - 129*	*05/22/12 12:45*	*05/22/12 20:41*	*1.00*
Toluene-d8	*98*		*76 - 136*	*05/22/12 12:45*	*05/22/12 20:41*	*1.00*

Method: 8270C - Acid and Base/Neutral Extractables by SW846 TRRP

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.399	0.0543	mg/kg dry	☼	05/31/12 17:00	06/02/12 11:56	1.00
1,2-Diphenylhydrazine	ND		0.399	0.0509	mg/kg dry	☼	05/31/12 17:00	06/02/12 11:56	1.00
2,4,5-Trichlorophenol	ND		0.399	0.0414	mg/kg dry	☼	05/31/12 17:00	06/02/12 11:56	1.00
2,4,6-Trichlorophenol	ND		0.399	0.0530	mg/kg dry	☼	05/31/12 17:00	06/02/12 11:56	1.00
2,4-Dichlorophenol	ND		0.399	0.0524	mg/kg dry	☼	05/31/12 17:00	06/02/12 11:56	1.00
2,4-Dimethylphenol	ND		0.399	0.0950	mg/kg dry	☼	05/31/12 17:00	06/02/12 11:56	1.00
2,4-Dinitrophenol	ND		2.02	0.806	mg/kg dry	☼	05/31/12 17:00	06/02/12 11:56	1.00
2,4-Dinitrotoluene	ND		0.399	0.190	mg/kg dry	☼	05/31/12 17:00	06/02/12 11:56	1.00
2,6-Dinitrotoluene	ND		0.399	0.0495	mg/kg dry	☼	05/31/12 17:00	06/02/12 11:56	1.00
2-Chloronaphthalene	ND		0.399	0.0378	mg/kg dry	☼	05/31/12 17:00	06/02/12 11:56	1.00
2-Chlorophenol	ND		0.399	0.0352	mg/kg dry	☼	05/31/12 17:00	06/02/12 11:56	1
2-Methylnaphthalene	ND		0.399	0.0388	mg/kg dry	☼	05/31/12 17:00	06/02/12 11:56	1.00
2-Methylphenol	ND		0.399	0.0481	mg/kg dry	☼	05/31/12 17:00	06/02/12 11:56	1.00
2-Nitroaniline	ND		0.399	0.0513	mg/kg dry	☼	05/31/12 17:00	06/02/12 11:56	1.00
2-Nitrophenol	ND		0.399	0.0761	mg/kg dry	☼	05/31/12 17:00	06/02/12 11:56	1.00
3 & 4 Methylphenol	ND		0.399	0.0783	mg/kg dry	☼	05/31/12 17:00	06/02/12 11:56	1.00
3,3'-Dichlorobenzidine	ND	JL	2.02	0.0646	mg/kg dry	☼	05/31/12 17:00	06/02/12 11:56	1.00
3-Nitroaniline	ND	JL	0.399	0.0385	mg/kg dry	☼	05/31/12 17:00	06/02/12 11:56	1.00
4,6-Dinitro-2-methylphenol	ND		2.02	0.242	mg/kg dry	☼	05/31/12 17:00	06/02/12 11:56	1.00
4-Bromophenyl phenyl ether	ND		0.399	0.0365	mg/kg dry	☼	05/31/12 17:00	06/02/12 11:56	1.00
4-Chloro-3-methylphenol	ND		0.399	0.0637	mg/kg dry	☼	05/31/12 17:00	06/02/12 11:56	1.00
4-Chloroaniline	ND	JL	0.399	0.0453	mg/kg dry	☼	05/31/12 17:00	06/02/12 11:56	1.00
4-Chlorophenyl phenyl ether	ND		0.399	0.0309	mg/kg dry	☼	05/31/12 17:00	06/02/12 11:56	1.00
4-Nitroaniline	ND		0.399	0.121	mg/kg dry	☼	05/31/12 17:00	06/02/12 11:56	1.00
4-Nitrophenol	ND		2.02	0.182	mg/kg dry	☼	05/31/12 17:00	06/02/12 11:56	1.00
Acenaphthene	ND		0.399	0.0419	mg/kg dry	☼	05/31/12 17:00	06/02/12 11:56	1.00
Acenaphthylene	ND		0.399	0.0396	mg/kg dry	☼	05/31/12 17:00	06/02/12 11:56	1.00
Anthracene	ND		0.399	0.0298	mg/kg dry	☼	05/31/12 17:00	06/02/12 11:56	1.00
Benzo[a]anthracene	ND		0.399	0.0240	mg/kg dry	☼	05/31/12 17:00	06/02/12 11:56	1.00
Benzo[a]pyrene	ND		0.399	0.0275	mg/kg dry	☼	05/31/12 17:00	06/02/12 11:56	1.00
Benzo[b]fluoranthene	ND		0.399	0.0630	mg/kg dry	☼	05/31/12 17:00	06/02/12 11:56	1.00
Benzo[g,h,i]perylene	ND		0.399	0.0324	mg/kg dry	☼	05/31/12 17:00	06/02/12 11:56	1.00
Benzo[k]fluoranthene	ND		0.399	0.0480	mg/kg dry	☼	05/31/12 17:00	06/02/12 11:56	1.00
Bis(2-chloroethoxy)methane	ND		0.399	0.0393	mg/kg dry	☼	05/31/12 17:00	06/02/12 11:56	1.00
Bis(2-chloroethyl)ether	ND		0.399	0.0414	mg/kg dry	☼	05/31/12 17:00	06/02/12 11:56	1.00
Bis(2-chloroisopropyl) ether	ND		0.399	0.0329	mg/kg dry	☼	05/31/12 17:00	06/02/12 11:56	1.00
Bis(2-ethylhexyl) phthalate	ND		0.399	0.0506	mg/kg dry	☼	05/31/12 17:00	06/02/12 11:56	1
Butyl benzyl phthalate	ND		0.399	0.0315	mg/kg dry	☼	05/31/12 17:00	06/02/12 11:56	1.00
Chrysene	ND		0.399	0.0273	mg/kg dry	☼	05/31/12 17:00	06/02/12 11:56	1.00

Client Sample ID: SB-2 1

te Collected: 05/17/12 08:10
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-02

Matrix: Solid
Percent Solids: 82.7

Method: 8270C - Acid and Base/Neutral Extractables by SW846 TRRP (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz[a,h]anthracene	ND		0.399	0.101	mg/kg dry	☼	05/31/12 17:00	06/02/12 11:56	1.00
Dibenzofuran	ND		0.399	0.0433	mg/kg dry	☼	05/31/12 17:00	06/02/12 11:56	1.00
Diethyl phthalate	ND		0.399	0.0260	mg/kg dry	☼	05/31/12 17:00	06/02/12 11:56	1.00
Dimethyl phthalate	ND		0.399	0.0288	mg/kg dry	☼	05/31/12 17:00	06/02/12 11:56	1.00
Di-n-butyl phthalate	ND		0.399	0.0297	mg/kg dry	☼	05/31/12 17:00	06/02/12 11:56	1.00
Di-n-octyl phthalate	ND		0.399	0.146	mg/kg dry	☼	05/31/12 17:00	06/02/12 11:56	1.00
Diphenylamine	ND		0.399	0.0274	mg/kg dry	☼	05/31/12 17:00	06/02/12 11:56	1.00
Fluoranthene	ND		0.399	0.0295	mg/kg dry	☼	05/31/12 17:00	06/02/12 11:56	1.00
Fluorene	ND		0.399	0.0279	mg/kg dry	☼	05/31/12 17:00	06/02/12 11:56	1.00
Hexachlorobenzene	ND		0.399	0.0339	mg/kg dry	☼	05/31/12 17:00	06/02/12 11:56	1.00
Hexachlorobutadiene	ND		0.399	0.0490	mg/kg dry	☼	05/31/12 17:00	06/02/12 11:56	1.00
Hexachlorocyclopentadiene	ND		2.02	0.204	mg/kg dry	☼	05/31/12 17:00	06/02/12 11:56	1.00
Hexachloroethane	ND		0.399	0.0520	mg/kg dry	☼	05/31/12 17:00	06/02/12 11:56	1.00
Isophorone	ND		0.399	0.0516	mg/kg dry	☼	05/31/12 17:00	06/02/12 11:56	1.00
Naphthalene	ND		0.399	0.0384	mg/kg dry	☼	05/31/12 17:00	06/02/12 11:56	1.00
Nitrobenzene	ND		0.399	0.0593	mg/kg dry	☼	05/31/12 17:00	06/02/12 11:56	1.00
N-Nitrosodi-n-propylamine	ND		0.399	0.0294	mg/kg dry	☼	05/31/12 17:00	06/02/12 11:56	1.00
N-Nitrosodiphenylamine	ND		0.399	0.0274	mg/kg dry	☼	05/31/12 17:00	06/02/12 11:56	1.00
Pentachloroethane	ND		0.399	0.0367	mg/kg dry	☼	05/31/12 17:00	06/02/12 11:56	1.00
Pentachlorophenol	ND		2.02	0.0609	mg/kg dry	☼	05/31/12 17:00	06/02/12 11:56	1.00
Phenanthrene	ND		0.399	0.0267	mg/kg dry	☼	05/31/12 17:00	06/02/12 11:56	1.00
'henol	ND		0.399	0.0396	mg/kg dry	☼	05/31/12 17:00	06/02/12 11:56	1.00
Pyrene	ND		0.399	0.0282	mg/kg dry	☼	05/31/12 17:00	06/02/12 11:56	1.00
Pyridine	ND		0.399	0.0466	mg/kg dry	☼	05/31/12 17:00	06/02/12 11:56	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*78*		*42 - 136*	*05/31/12 17:00*	*06/02/12 11:56*	*1.00*
2-Fluorobiphenyl	*74*		*42 - 129*	*05/31/12 17:00*	*06/02/12 11:56*	*1.00*
2-Fluorophenol	*75*		*36 - 114*	*05/31/12 17:00*	*06/02/12 11:56*	*1.00*
Nitrobenzene-d5	*75*		*40 - 122*	*05/31/12 17:00*	*06/02/12 11:56*	*1.00*
Phenol-d5	*77*		*38 - 125*	*05/31/12 17:00*	*06/02/12 11:56*	*1.00*
Terphenyl-d14	*77*		*44 - 127*	*05/31/12 17:00*	*06/02/12 11:56*	*1.00*

Method: 6020 - Total Metals by SW846 Series Methods

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**3.44**		0.581	0.133	mg/kg dry	☼	05/31/12 10:35	05/31/12 15:54	5.00
Barium	**157**	**B**	5.81	0.0108	mg/kg dry	☼	05/31/12 10:35	05/31/12 15:54	5.00
Cadmium	**0.224**	**J**	0.581	0.0145	mg/kg dry	☼	05/31/12 10:35	05/31/12 15:54	5.00
Chromium	**17.7**		0.581	0.381	mg/kg dry	☼	05/31/12 10:35	05/31/12 15:54	5.00
Lead	**11.7**		0.581	0.0285	mg/kg dry	☼	05/31/12 10:35	05/31/12 15:54	5.00
Selenium	ND		0.581	0.216	mg/kg dry	☼	05/31/12 10:35	05/31/12 15:54	5.00
Silver	ND		0.581	0.139	mg/kg dry	☼	05/31/12 10:35	05/31/12 15:54	5.00

Method: 7471A - Total Metals by SW846 Series Methods

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.113	0.00771	mg/kg dry	☼	05/31/12 11:15	05/31/12 15:07	1.00

Method: ASTM D2216-90 - General Chemistry Parameters

nalyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Dry Weight	**82.7**		0.500		%		05/23/12 16:30	05/24/12 10:27	1.00

Client Sample Results

Client: TITAN Engineering, Inc.
Project/Site: 583-01

TestAmerica Job ID: AVE0225

Client Sample ID: SB-2 1

Date Collected: 05/17/12 08:10
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-02

Matrix: Sol
Percent Solids: 82.

Method: SW846 9045C - General Chemistry Parameters

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.08		0.100		pH Units		05/30/12 13:44	05/30/12 15:00	1.00

Client Sample Results

Client: TITAN Engineering, Inc.
Project/Site: 583-01

TestAmerica Job ID: AVE0225

Client Sample ID: SB-2 4
Date Collected: 05/17/12 08:15
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-03
Matrix: Solid
Percent Solids: 83.8

Method: 8260B - Volatile Organic Compounds by SW846 8260B

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.00595	0.00198	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:05	1.00
1,1,1-Trichloroethane	ND		0.00595	0.00154	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:05	1.00
1,1,2,2-Tetrachloroethane	ND		0.00595	0.00379	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:05	1.00
1,1,2-Trichloroethane	ND		0.00595	0.00264	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:05	1.00
1,1-Dichloroethane	ND		0.00595	0.000804	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:05	1.00
1,1-Dichloroethene	ND		0.00595	0.00103	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:05	1.00
1,2,4-Trimethylbenzene	ND		0.00595	0.00240	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:05	1.00
1,2-Dibromoethane (EDB)	ND		0.00595	0.00179	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:05	1.00
1,2-Dichlorobenzene	ND		0.00595	0.00291	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:05	1.00
1,2-Dichloroethane	ND		0.00595	0.00103	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:05	1.00
1,2-Dichloropropane	ND		0.00595	0.000811	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:05	1.00
1,3-Dichlorobenzene	ND		0.00595	0.00231	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:05	1.00
1,4-Dichlorobenzene	ND		0.00595	0.00225	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:05	1.00
2-Butanone (MEK)	ND		0.0119	0.00547	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:05	1.00
2-Hexanone	ND		0.0119	0.00409	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:05	1.00
4-Isopropyltoluene	ND		0.00595	0.00201	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:05	1.00
4-Methyl-2-pentanone (MIBK)	ND		0.0119	0.00304	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:05	1.00
Acetone	ND		0.0595	0.00567	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:05	1.00
Benzene	ND		0.00595	0.000929	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:05	1.00
Bromobenzene	ND		0.00595	0.00275	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:05	1.00
Bromochloromethane	ND		0.00595	0.000949	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:05	1.00
Bromodichloromethane	ND		0.00595	0.000813	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:05	1.00
Bromoethane	ND		0.0119	0.00134	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:05	1.00
Bromoform	ND		0.00595	0.00147	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:05	1.00
Bromomethane	ND		0.0119	0.00110	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:05	1.00
Carbon disulfide	ND		0.00595	0.00119	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:05	1.00
Carbon tetrachloride	ND		0.00595	0.00136	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:05	1.00
Chlorobenzene	ND		0.00595	0.00103	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:05	1.00
Chlorodibromomethane	ND		0.00595	0.00212	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:05	1.00
Chloroethane	ND		0.0119	0.00183	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:05	1.00
Chloroform	ND		0.00595	0.000869	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:05	1.00
Chloromethane	ND		0.0119	0.00359	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:05	1.00
cis-1,2-Dichloroethene	ND		0.00595	0.000756	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:05	1.00
cis-1,3-Dichloropropene	ND		0.00595	0.00156	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:05	1.00
Dibromomethane	ND		0.00595	0.00106	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:05	1.00
Dichlorodifluoromethane	ND		0.0238	0.0119	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:05	1.00
Ethylbenzene	ND		0.00595	0.00144	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:05	1.00
Hexachlorobutadiene	ND		0.00595	0.00216	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:05	1.00
Isopropylbenzene	ND		0.00595	0.00216	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:05	1.00
Methyl tert-Butyl Ether	ND		0.00595	0.00103	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:05	1.00
Methylene chloride	ND		0.00595	0.00126	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:05	1.00
n-Butylbenzene	ND		0.00595	0.00197	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:05	1.00
n-Propylbenzene	ND		0.00595	0.00218	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:05	1.00
sec-Butylbenzene	ND		0.00595	0.00251	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:05	1.00
Styrene	ND		0.00595	0.00196	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:05	1.00
tert-Butylbenzene	ND		0.00595	0.00226	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:05	1.00
Tetrachloroethene	ND		0.00595	0.00188	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:05	1.00
Toluene	ND		0.00595	0.00118	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:05	1.00
trans-1,2-Dichloroethene	ND		0.00595	0.00101	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:05	1.00
trans-1,3-Dichloropropene	ND		0.00595	0.00197	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:05	1.00
Trichloroethene	ND		0.00595	0.00113	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:05	1.00

Client Sample ID: SB-2 4

Date Collected: 05/17/12 08:15
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-03

Matrix: Sol
Percent Solids: 83.

Method: 8260B - Volatile Organic Compounds by SW846 8260B (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		0.0119	0.00123	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:05	1.00
Vinyl chloride	ND		0.00595	0.00175	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:05	1.00
Xylenes, total	ND		0.0179	0.00357	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:05	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*105*		*67 - 127*	*05/22/12 12:45*	*05/22/12 21:05*	*1.00*
4-Bromofluorobenzene	*104*		*59 - 119*	*05/22/12 12:45*	*05/22/12 21:05*	*1.00*
Dibromofluoromethane	*96*		*69 - 129*	*05/22/12 12:45*	*05/22/12 21:05*	*1.00*
Toluene-d8	*97*		*76 - 136*	*05/22/12 12:45*	*05/22/12 21:05*	*1.00*

Method: 8270C - Acid and Base/Neutral Extractables by SW846 TRRP

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.394	0.0536	mg/kg dry	☼	05/31/12 17:00	06/02/12 12:18	1.00
1,2-Diphenylhydrazine	ND		0.394	0.0503	mg/kg dry	☼	05/31/12 17:00	06/02/12 12:18	1.00
2,4,5-Trichlorophenol	ND		0.394	0.0409	mg/kg dry	☼	05/31/12 17:00	06/02/12 12:18	1.00
2,4,6-Trichlorophenol	ND		0.394	0.0524	mg/kg dry	☼	05/31/12 17:00	06/02/12 12:18	1.00
2,4-Dichlorophenol	ND		0.394	0.0517	mg/kg dry	☼	05/31/12 17:00	06/02/12 12:18	1.00
2,4-Dimethylphenol	ND		0.394	0.0938	mg/kg dry	☼	05/31/12 17:00	06/02/12 12:18	1.00
2,4-Dinitrophenol	ND		1.99	0.796	mg/kg dry	☼	05/31/12 17:00	06/02/12 12:18	1.00
2,4-Dinitrotoluene	ND		0.394	0.188	mg/kg dry	☼	05/31/12 17:00	06/02/12 12:18	1.00
2,6-Dinitrotoluene	ND		0.394	0.0489	mg/kg dry	☼	05/31/12 17:00	06/02/12 12:18	1.00
2-Chloronaphthalene	ND		0.394	0.0373	mg/kg dry	☼	05/31/12 17:00	06/02/12 12:18	1.00
2-Chlorophenol	ND		0.394	0.0348	mg/kg dry	☼	05/31/12 17:00	06/02/12 12:18	1
2-Methylnaphthalene	ND		0.394	0.0383	mg/kg dry	☼	05/31/12 17:00	06/02/12 12:18	1.00
2-Methylphenol	ND		0.394	0.0475	mg/kg dry	☼	05/31/12 17:00	06/02/12 12:18	1.00
2-Nitroaniline	ND		0.394	0.0507	mg/kg dry	☼	05/31/12 17:00	06/02/12 12:18	1.00
2-Nitrophenol	ND		0.394	0.0752	mg/kg dry	☼	05/31/12 17:00	06/02/12 12:18	1.00
3 & 4 Methylphenol	ND		0.394	0.0773	mg/kg dry	☼	05/31/12 17:00	06/02/12 12:18	1.00
3,3'-Dichlorobenzidine	ND	JL	1.99	0.0638	mg/kg dry	☼	05/31/12 17:00	06/02/12 12:18	1.00
3-Nitroaniline	ND	JL	0.394	0.0380	mg/kg dry	☼	05/31/12 17:00	06/02/12 12:18	1.00
4,6-Dinitro-2-methylphenol	ND		1.99	0.239	mg/kg dry	☼	05/31/12 17:00	06/02/12 12:18	1.00
4-Bromophenyl phenyl ether	ND		0.394	0.0360	mg/kg dry	☼	05/31/12 17:00	06/02/12 12:18	1.00
4-Chloro-3-methylphenol	ND		0.394	0.0629	mg/kg dry	☼	05/31/12 17:00	06/02/12 12:18	1.00
4-Chloroaniline	ND	JL	0.394	0.0447	mg/kg dry	☼	05/31/12 17:00	06/02/12 12:18	1.00
4-Chlorophenyl phenyl ether	ND		0.394	0.0305	mg/kg dry	☼	05/31/12 17:00	06/02/12 12:18	1.00
4-Nitroaniline	ND		0.394	0.119	mg/kg dry	☼	05/31/12 17:00	06/02/12 12:18	1.00
4-Nitrophenol	ND		1.99	0.180	mg/kg dry	☼	05/31/12 17:00	06/02/12 12:18	1.00
Acenaphthene	ND		0.394	0.0414	mg/kg dry	☼	05/31/12 17:00	06/02/12 12:18	1.00
Acenaphthylene	ND		0.394	0.0391	mg/kg dry	☼	05/31/12 17:00	06/02/12 12:18	1.00
Anthracene	ND		0.394	0.0294	mg/kg dry	☼	05/31/12 17:00	06/02/12 12:18	1.00
Benzo[a]anthracene	ND		0.394	0.0237	mg/kg dry	☼	05/31/12 17:00	06/02/12 12:18	1.00
Benzo[a]pyrene	ND		0.394	0.0271	mg/kg dry	☼	05/31/12 17:00	06/02/12 12:18	1.00
Benzo[b]fluoranthene	ND		0.394	0.0622	mg/kg dry	☼	05/31/12 17:00	06/02/12 12:18	1.00
Benzo[g,h,i]perylene	ND		0.394	0.0320	mg/kg dry	☼	05/31/12 17:00	06/02/12 12:18	1.00
Benzo[k]fluoranthene	ND		0.394	0.0474	mg/kg dry	☼	05/31/12 17:00	06/02/12 12:18	1.00
Bis(2-chloroethoxy)methane	ND		0.394	0.0388	mg/kg dry	☼	05/31/12 17:00	06/02/12 12:18	1.00
Bis(2-chloroethyl)ether	ND		0.394	0.0409	mg/kg dry	☼	05/31/12 17:00	06/02/12 12:18	1.00
Bis(2-chloroisopropyl) ether	ND		0.394	0.0325	mg/kg dry	☼	05/31/12 17:00	06/02/12 12:18	1.00
Bis(2-ethylhexyl) phthalate	ND		0.394	0.0500	mg/kg dry	☼	05/31/12 17:00	06/02/12 12:18	1
Butyl benzyl phthalate	ND		0.394	0.0311	mg/kg dry	☼	05/31/12 17:00	06/02/12 12:18	1.00
Chrysene	ND		0.394	0.0270	mg/kg dry	☼	05/31/12 17:00	06/02/12 12:18	1.00

Client Sample ID: SB-2 4

Date Collected: 05/17/12 08:15
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-03

Matrix: Solid
Percent Solids: 83.8

Method: 8270C - Acid and Base/Neutral Extractables by SW846 TRRP (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz[a,h]anthracene	ND		0.394	0.100	mg/kg dry	☼	05/31/12 17:00	06/02/12 12:18	1.00
Dibenzofuran	ND		0.394	0.0428	mg/kg dry	☼	05/31/12 17:00	06/02/12 12:18	1.00
Diethyl phthalate	ND		0.394	0.0256	mg/kg dry	☼	05/31/12 17:00	06/02/12 12:18	1.00
Dimethyl phthalate	ND		0.394	0.0284	mg/kg dry	☼	05/31/12 17:00	06/02/12 12:18	1.00
Di-n-butyl phthalate	ND		0.394	0.0293	mg/kg dry	☼	05/31/12 17:00	06/02/12 12:18	1.00
Di-n-octyl phthalate	ND		0.394	0.144	mg/kg dry	☼	05/31/12 17:00	06/02/12 12:18	1.00
Diphenylamine	ND		0.394	0.0271	mg/kg dry	☼	05/31/12 17:00	06/02/12 12:18	1.00
Fluoranthene	ND		0.394	0.0291	mg/kg dry	☼	05/31/12 17:00	06/02/12 12:18	1.00
Fluorene	ND		0.394	0.0275	mg/kg dry	☼	05/31/12 17:00	06/02/12 12:18	1.00
Hexachlorobenzene	ND		0.394	0.0334	mg/kg dry	☼	05/31/12 17:00	06/02/12 12:18	1.00
Hexachlorobutadiene	ND		0.394	0.0484	mg/kg dry	☼	05/31/12 17:00	06/02/12 12:18	1.00
Hexachlorocyclopentadiene	ND		1.99	0.202	mg/kg dry	☼	05/31/12 17:00	06/02/12 12:18	1.00
Hexachloroethane	ND		0.394	0.0513	mg/kg dry	☼	05/31/12 17:00	06/02/12 12:18	1.00
Isophorone	ND		0.394	0.0509	mg/kg dry	☼	05/31/12 17:00	06/02/12 12:18	1.00
Naphthalene	ND		0.394	0.0379	mg/kg dry	☼	05/31/12 17:00	06/02/12 12:18	1.00
Nitrobenzene	ND		0.394	0.0586	mg/kg dry	☼	05/31/12 17:00	06/02/12 12:18	1.00
N-Nitrosodi-n-propylamine	ND		0.394	0.0290	mg/kg dry	☼	05/31/12 17:00	06/02/12 12:18	1.00
N-Nitrosodiphenylamine	ND		0.394	0.0271	mg/kg dry	☼	05/31/12 17:00	06/02/12 12:18	1.00
Pentachloroethane	ND		0.394	0.0362	mg/kg dry	☼	05/31/12 17:00	06/02/12 12:18	1.00
Pentachlorophenol	ND		1.99	0.0601	mg/kg dry	☼	05/31/12 17:00	06/02/12 12:18	1.00
Phenanthrene	ND		0.394	0.0264	mg/kg dry	☼	05/31/12 17:00	06/02/12 12:18	1.00
Phenol	ND		0.394	0.0391	mg/kg dry	☼	05/31/12 17:00	06/02/12 12:18	1.00
Pyrene	ND		0.394	0.0278	mg/kg dry	☼	05/31/12 17:00	06/02/12 12:18	1.00
Pyridine	ND		0.394	0.0460	mg/kg dry	☼	05/31/12 17:00	06/02/12 12:18	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*68*		*42 - 136*	*05/31/12 17:00*	*06/02/12 12:18*	*1.00*
2-Fluorobiphenyl	*72*		*42 - 129*	*05/31/12 17:00*	*06/02/12 12:18*	*1.00*
2-Fluorophenol	*74*		*36 - 114*	*05/31/12 17:00*	*06/02/12 12:18*	*1.00*
Nitrobenzene-d5	*72*		*40 - 122*	*05/31/12 17:00*	*06/02/12 12:18*	*1.00*
Phenol-d5	*75*		*38 - 125*	*05/31/12 17:00*	*06/02/12 12:18*	*1.00*
Terphenyl-d14	*73*		*44 - 127*	*05/31/12 17:00*	*06/02/12 12:18*	*1.00*

Method: 6020 - Total Metals by SW846 Series Methods

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**6.31**		0.470	0.107	mg/kg dry	☼	05/31/12 10:35	05/31/12 15:59	5.00
Barium	**129**	**B**	4.70	0.00874	mg/kg dry	☼	05/31/12 10:35	05/31/12 15:59	5.00
Cadmium	**0.210**	**J**	0.470	0.0117	mg/kg dry	☼	05/31/12 10:35	05/31/12 15:59	5.00
Chromium	**10.0**		0.470	0.308	mg/kg dry	☼	05/31/12 10:35	05/31/12 15:59	5.00
Lead	**9.13**		0.470	0.0230	mg/kg dry	☼	05/31/12 10:35	05/31/12 15:59	5.00
Selenium	ND		0.470	0.175	mg/kg dry	☼	05/31/12 10:35	05/31/12 15:59	5.00
Silver	ND		0.470	0.113	mg/kg dry	☼	05/31/12 10:35	05/31/12 15:59	5.00

Method: 7471A - Total Metals by SW846 Series Methods

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.110	0.00749	mg/kg dry	☼	05/31/12 11:15	05/31/12 15:08	1.00

Method: ASTM D2216-90 - General Chemistry Parameters

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Dry Weight	**83.8**		0.500		%		05/23/12 16:30	05/24/12 10:29	1.00

Client Sample Results

Client: TITAN Engineering, Inc.
Project/Site: 583-01

TestAmerica Job ID: AVE0225

Client Sample ID: SB-2 4

Date Collected: 05/17/12 08:15
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-03

Matrix: Soli
Percent Solids: 83.

Method: SW846 9045C - General Chemistry Parameters

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.28		0.100		pH Units		05/30/12 13:44	05/30/12 15:00	1.00

Client Sample Results

Client: TITAN Engineering, Inc.
Project/Site: 583-01

TestAmerica Job ID: AVE0225

Client Sample ID: SB-2 9.5

Date Collected: 05/17/12 08:30
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-04

Matrix: Solid
Percent Solids: 83.5

Method: 8260B - Volatile Organic Compounds by SW846 8260B

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.00593	0.00197	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:29	1.00
1,1,1-Trichloroethane	ND		0.00593	0.00153	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:29	1.00
1,1,2,2-Tetrachloroethane	ND		0.00593	0.00378	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:29	1.00
1,1,2-Trichloroethane	ND		0.00593	0.00263	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:29	1.00
1,1-Dichloroethane	ND		0.00593	0.000800	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:29	1.00
1,1-Dichloroethene	ND		0.00593	0.00102	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:29	1.00
1,2,4-Trimethylbenzene	ND		0.00593	0.00238	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:29	1.00
1,2-Dibromoethane (EDB)	ND		0.00593	0.00179	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:29	1.00
1,2-Dichlorobenzene	ND		0.00593	0.00289	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:29	1.00
1,2-Dichloroethane	ND		0.00593	0.00102	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:29	1.00
1,2-Dichloropropane	ND		0.00593	0.000807	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:29	1.00
1,3-Dichlorobenzene	ND		0.00593	0.00230	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:29	1.00
1,4-Dichlorobenzene	ND		0.00593	0.00224	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:29	1.00
2-Butanone (MEK)	ND		0.0119	0.00545	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:29	1.00
2-Hexanone	ND		0.0119	0.00407	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:29	1.00
4-Isopropyltoluene	ND		0.00593	0.00200	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:29	1.00
4-Methyl-2-pentanone (MIBK)	ND		0.0119	0.00303	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:29	1.00
Acetone	ND		0.0593	0.00564	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:29	1.00
Benzene	ND		0.00593	0.000925	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:29	1.00
Bromobenzene	ND		0.00593	0.00274	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:29	1.00
Bromochloromethane	ND		0.00593	0.000945	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:29	1.00
romodichloromethane	ND		0.00593	0.000810	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:29	1.00
Bromoethane	ND		0.0119	0.00133	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:29	1.00
Bromoform	ND		0.00593	0.00146	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:29	1.00
Bromomethane	ND		0.0119	0.00109	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:29	1.00
Carbon disulfide	ND		0.00593	0.00118	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:29	1.00
Carbon tetrachloride	ND		0.00593	0.00135	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:29	1.00
Chlorobenzene	ND		0.00593	0.00102	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:29	1.00
Chlorodibromomethane	ND		0.00593	0.00211	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:29	1.00
Chloroethane	ND		0.0119	0.00182	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:29	1.00
Chloroform	ND		0.00593	0.000865	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:29	1.00
Chloromethane	ND		0.0119	0.00358	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:29	1.00
cis-1,2-Dichloroethene	ND		0.00593	0.000753	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:29	1.00
cis-1,3-Dichloropropene	ND		0.00593	0.00155	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:29	1.00
Dibromomethane	ND		0.00593	0.00105	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:29	1.00
Dichlorodifluoromethane	ND		0.0237	0.0119	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:29	1.00
Ethylbenzene	ND		0.00593	0.00144	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:29	1.00
Hexachlorobutadiene	ND		0.00593	0.00215	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:29	1.00
Isopropylbenzene	ND		0.00593	0.00215	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:29	1.00
Methyl tert-Butyl Ether	ND		0.00593	0.00102	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:29	1.00
Methylene chloride	ND		0.00593	0.00126	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:29	1.00
n-Butylbenzene	ND		0.00593	0.00196	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:29	1.00
n-Propylbenzene	ND		0.00593	0.00217	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:29	1.00
sec-Butylbenzene	ND		0.00593	0.00250	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:29	1.00
Styrene	ND		0.00593	0.00195	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:29	1.00
tert-Butylbenzene	ND		0.00593	0.00225	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:29	1.00
Tetrachloroethene	ND		0.00593	0.00187	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:29	1.00
oluene	ND		0.00593	0.00118	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:29	1.00
trans-1,2-Dichloroethene	ND		0.00593	0.00101	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:29	1.00
trans-1,3-Dichloropropene	ND		0.00593	0.00196	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:29	1.00
Trichloroethene	ND		0.00593	0.00112	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:29	1.00

Client Sample ID: SB-2 9.5

Date Collected: 05/17/12 08:30
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-04

Matrix: Soli
Percent Solids: 83

Method: 8260B - Volatile Organic Compounds by SW846 8260B (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		0.0119	0.00123	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:29	1.00
Vinyl chloride	ND		0.00593	0.00174	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:29	1.00
Xylenes, total	ND		0.0178	0.00356	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:29	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*113*		*67 - 127*	*05/22/12 12:45*	*05/22/12 21:29*	*1.00*
4-Bromofluorobenzene	*104*		*59 - 119*	*05/22/12 12:45*	*05/22/12 21:29*	*1.00*
Dibromofluoromethane	*98*		*69 - 129*	*05/22/12 12:45*	*05/22/12 21:29*	*1.00*
Toluene-d8	*98*		*76 - 136*	*05/22/12 12:45*	*05/22/12 21:29*	*1.00*

Method: ASTM D2216-90 - General Chemistry Parameters

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Dry Weight	**83.5**		0.500		%		05/23/12 16:30	05/24/12 10:31	1.00

Client Sample Results

Client: TITAN Engineering, Inc.
Project/Site: 583-01

TestAmerica Job ID: AVE0225

Client Sample ID: SB-3 1
Date Collected: 05/17/12 09:05
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-05
Matrix: Solid
Percent Solids: 81.6

Method: 8260B - Volatile Organic Compounds by SW846 8260B

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.00617	0.00205	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:52	1.00
1,1,1-Trichloroethane	ND		0.00617	0.00159	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:52	1.00
1,1,2,2-Tetrachloroethane	ND		0.00617	0.00393	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:52	1.00
1,1,2-Trichloroethane	ND		0.00617	0.00273	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:52	1.00
1,1-Dichloroethane	ND		0.00617	0.000832	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:52	1.00
1,1-Dichloroethene	ND		0.00617	0.00106	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:52	1.00
1,2,4-Trimethylbenzene	ND		0.00617	0.00248	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:52	1.00
1,2-Dibromoethane (EDB)	ND		0.00617	0.00186	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:52	1.00
1,2-Dichlorobenzene	ND		0.00617	0.00301	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:52	1.00
1,2-Dichloroethane	ND		0.00617	0.00106	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:52	1.00
1,2-Dichloropropane	ND		0.00617	0.000840	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:52	1.00
1,3-Dichlorobenzene	ND		0.00617	0.00239	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:52	1.00
1,4-Dichlorobenzene	ND		0.00617	0.00233	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:52	1.00
2-Butanone (MEK)	ND		0.0123	0.00567	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:52	1.00
2-Hexanone	ND		0.0123	0.00423	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:52	1.00
4-Isopropyltoluene	ND		0.00617	0.00208	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:52	1.00
4-Methyl-2-pentanone (MIBK)	ND		0.0123	0.00315	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:52	1.00
Acetone	ND		0.0617	0.00587	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:52	1.00
Benzene	ND		0.00617	0.000962	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:52	1.00
Bromobenzene	ND		0.00617	0.00285	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:52	1.00
Bromochloromethane	ND		0.00617	0.000983	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:52	1.00
Bromodichloromethane	ND		0.00617	0.000842	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:52	1.00
Bromoethane	ND		0.0123	0.00138	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:52	1.00
Bromoform	ND		0.00617	0.00152	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:52	1.00
Bromomethane	ND		0.0123	0.00114	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:52	1.00
Carbon disulfide	ND		0.00617	0.00123	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:52	1.00
Carbon tetrachloride	ND		0.00617	0.00141	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:52	1.00
Chlorobenzene	ND		0.00617	0.00106	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:52	1.00
Chlorodibromomethane	ND		0.00617	0.00219	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:52	1.00
Chloroethane	ND		0.0123	0.00189	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:52	1.00
Chloroform	ND		0.00617	0.000900	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:52	1.00
Chloromethane	ND		0.0123	0.00372	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:52	1.00
cis-1,2-Dichloroethene	ND		0.00617	0.000783	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:52	1.00
cis-1,3-Dichloropropene	ND		0.00617	0.00161	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:52	1.00
Dibromomethane	ND		0.00617	0.00109	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:52	1.00
Dichlorodifluoromethane	ND		0.0247	0.0123	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:52	1.00
Ethylbenzene	ND		0.00617	0.00149	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:52	1.00
Hexachlorobutadiene	ND		0.00617	0.00224	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:52	1.00
Isopropylbenzene	ND		0.00617	0.00224	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:52	1.00
Methyl tert-Butyl Ether	ND		0.00617	0.00107	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:52	1.00
Methylene chloride	ND		0.00617	0.00131	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:52	1.00
n-Butylbenzene	ND		0.00617	0.00204	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:52	1.00
n-Propylbenzene	ND		0.00617	0.00226	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:52	1.00
sec-Butylbenzene	ND		0.00617	0.00260	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:52	1.00
Styrene	ND		0.00617	0.00203	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:52	1.00
tert-Butylbenzene	ND		0.00617	0.00234	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:52	1.00
Tetrachloroethene	ND		0.00617	0.00194	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:52	1.00
Toluene	ND		0.00617	0.00122	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:52	1.00
trans-1,2-Dichloroethene	ND		0.00617	0.00105	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:52	1.00
trans-1,3-Dichloropropene	ND		0.00617	0.00204	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:52	1.00
Trichloroethene	ND		0.00617	0.00117	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:52	1.00

Client Sample ID: SB-3 1

Date Collected: 05/17/12 09:05
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-05

Matrix: Soli
Percent Solids: 81.

Method: 8260B - Volatile Organic Compounds by SW846 8260B (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		0.0123	0.00128	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:52	1.00
Vinyl chloride	ND		0.00617	0.00181	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:52	1.00
Xylenes, total	ND		0.0185	0.00370	mg/kg dry	☼	05/22/12 12:45	05/22/12 21:52	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*111*		*67 - 127*	*05/22/12 12:45*	*05/22/12 21:52*	*1.00*
4-Bromofluorobenzene	*104*		*59 - 119*	*05/22/12 12:45*	*05/22/12 21:52*	*1.00*
Dibromofluoromethane	*98*		*69 - 129*	*05/22/12 12:45*	*05/22/12 21:52*	*1.00*
Toluene-d8	*98*		*76 - 136*	*05/22/12 12:45*	*05/22/12 21:52*	*1.00*

Method: 8270C - Acid and Base/Neutral Extractables by SW846 TRRP

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.404	0.0549	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:37	1.00
1,2-Diphenylhydrazine	ND		0.404	0.0516	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:37	1.00
2,4,5-Trichlorophenol	ND		0.404	0.0419	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:37	1.00
2,4,6-Trichlorophenol	ND		0.404	0.0537	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:37	1.00
2,4-Dichlorophenol	ND		0.404	0.0531	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:37	1.00
2,4-Dimethylphenol	ND		0.404	0.0961	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:37	1.00
2,4-Dinitrophenol	ND		2.04	0.816	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:37	1.00
2,4-Dinitrotoluene	ND		0.404	0.192	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:37	1.00
2,6-Dinitrotoluene	ND		0.404	0.0501	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:37	1.00
2-Chloronaphthalene	ND		0.404	0.0383	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:37	1.00
2-Chlorophenol	ND		0.404	0.0356	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:37	1
2-Methylnaphthalene	ND		0.404	0.0393	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:37	1.00
2-Methylphenol	ND		0.404	0.0487	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:37	1.00
2-Nitroaniline	ND		0.404	0.0520	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:37	1.00
2-Nitrophenol	ND		0.404	0.0771	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:37	1.00
3 & 4 Methylphenol	ND		0.404	0.0793	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:37	1.00
3,3'-Dichlorobenzidine	ND	JL	2.04	0.0654	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:37	1.00
3-Nitroaniline	ND	JL	0.404	0.0390	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:37	1.00
4,6-Dinitro-2-methylphenol	ND		2.04	0.245	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:37	1.00
4-Bromophenyl phenyl ether	ND		0.404	0.0369	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:37	1.00
4-Chloro-3-methylphenol	ND		0.404	0.0645	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:37	1.00
4-Chloroaniline	ND	JL	0.404	0.0459	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:37	1.00
4-Chlorophenyl phenyl ether	ND		0.404	0.0313	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:37	1.00
4-Nitroaniline	ND		0.404	0.122	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:37	1.00
4-Nitrophenol	ND		2.04	0.185	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:37	1.00
Acenaphthene	ND		0.404	0.0424	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:37	1.00
Acenaphthylene	ND		0.404	0.0401	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:37	1.00
Anthracene	ND		0.404	0.0302	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:37	1.00
Benzo[a]anthracene	ND		0.404	0.0243	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:37	1.00
Benzo[a]pyrene	ND		0.404	0.0278	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:37	1.00
Benzo[b]fluoranthene	ND		0.404	0.0638	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:37	1.00
Benzo[g,h,i]perylene	ND		0.404	0.0328	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:37	1.00
Benzo[k]fluoranthene	ND		0.404	0.0486	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:37	1.00
Bis(2-chloroethoxy)methane	ND		0.404	0.0397	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:37	1.00
Bis(2-chloroethyl)ether	ND		0.404	0.0419	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:37	1.00
Bis(2-chloroisopropyl) ether	ND		0.404	0.0333	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:37	1.00
Bis(2-ethylhexyl) phthalate	ND		0.404	0.0512	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:37	1
Butyl benzyl phthalate	ND		0.404	0.0319	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:37	1.00
Chrysene	ND		0.404	0.0277	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:37	1.00

Client Sample ID: SB-3 1

Date Collected: 05/17/12 09:05
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-05

Matrix: Solid
Percent Solids: 81.6

Method: 8270C - Acid and Base/Neutral Extractables by SW846 TRRP (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz[a,h]anthracene	ND		0.404	0.103	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:37	1.00
Dibenzofuran	ND		0.404	0.0439	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:37	1.00
Diethyl phthalate	ND		0.404	0.0263	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:37	1.00
Dimethyl phthalate	ND		0.404	0.0291	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:37	1.00
Di-n-butyl phthalate	ND		0.404	0.0301	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:37	1.00
Di-n-octyl phthalate	ND		0.404	0.148	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:37	1.00
Diphenylamine	ND		0.404	0.0278	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:37	1.00
Fluoranthene	ND		0.404	0.0298	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:37	1.00
Fluorene	ND		0.404	0.0282	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:37	1.00
Hexachlorobenzene	ND		0.404	0.0343	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:37	1.00
Hexachlorobutadiene	ND		0.404	0.0496	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:37	1.00
Hexachlorocyclopentadiene	ND		2.04	0.207	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:37	1.00
Hexachloroethane	ND		0.404	0.0526	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:37	1.00
Isophorone	ND		0.404	0.0522	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:37	1.00
Naphthalene	ND		0.404	0.0389	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:37	1.00
Nitrobenzene	ND		0.404	0.0601	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:37	1.00
N-Nitrosodi-n-propylamine	ND		0.404	0.0297	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:37	1.00
N-Nitrosodiphenylamine	ND		0.404	0.0278	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:37	1.00
Pentachloroethane	ND		0.404	0.0371	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:37	1.00
Pentachlorophenol	ND		2.04	0.0616	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:37	1.00
Phenanthrene	ND		0.404	0.0271	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:37	1.00
Phenol	ND		0.404	0.0401	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:37	1.00
Pyrene	ND		0.404	0.0285	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:37	1.00
Pyridine	ND		0.404	0.0472	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:37	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*74*		*42 - 136*	*05/31/12 17:00*	*06/02/12 14:37*	*1.00*
2-Fluorobiphenyl	*80*		*42 - 129*	*05/31/12 17:00*	*06/02/12 14:37*	*1.00*
2-Fluorophenol	*72*		*36 - 114*	*05/31/12 17:00*	*06/02/12 14:37*	*1.00*
Nitrobenzene-d5	*73*		*40 - 122*	*05/31/12 17:00*	*06/02/12 14:37*	*1.00*
Phenol-d5	*74*		*38 - 125*	*05/31/12 17:00*	*06/02/12 14:37*	*1.00*
Terphenyl-d14	*75*		*44 - 127*	*05/31/12 17:00*	*06/02/12 14:37*	*1.00*

Method: 6020 - Total Metals by SW846 Series Methods

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**3.17**		0.573	0.131	mg/kg dry	☼	05/31/12 10:35	05/31/12 16:09	5.00
Barium	**121**	**B**	5.73	0.0107	mg/kg dry	☼	05/31/12 10:35	05/31/12 16:09	5.00
Cadmium	**0.199**	**J**	0.573	0.0143	mg/kg dry	☼	05/31/12 10:35	05/31/12 16:09	5.00
Chromium	**16.4**		0.573	0.376	mg/kg dry	☼	05/31/12 10:35	05/31/12 16:09	5.00
Lead	**23.2**		0.573	0.0281	mg/kg dry	☼	05/31/12 10:35	05/31/12 16:09	5.00
Selenium	ND		0.573	0.213	mg/kg dry	☼	05/31/12 10:35	05/31/12 16:09	5.00
Silver	ND		0.573	0.137	mg/kg dry	☼	05/31/12 10:35	05/31/12 16:09	5.00

Method: 7471A - Total Metals by SW846 Series Methods

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0111**	**J**	0.119	0.00807	mg/kg dry	☼	05/31/12 11:15	05/31/12 15:11	1.00

Method: ASTM D2216-90 - General Chemistry Parameters

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Dry Weight	**81.6**		0.500		%		05/23/12 16:30	05/24/12 10:33	1.00

Client Sample Results

Client: TITAN Engineering, Inc.
Project/Site: 583-01

TestAmerica Job ID: AVE0225

Client Sample ID: SB-3 1

Date Collected: 05/17/12 09:05
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-05

Matrix: Soli
Percent Solids: 81.

Method: SW846 9045C - General Chemistry Parameters

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.15		0.100		pH Units		05/30/12 13:44	05/30/12 15:00	1.00

Client Sample Results

Client: TITAN Engineering, Inc.
Project/Site: 583-01

TestAmerica Job ID: AVE0225

Client Sample ID: SB-3 4.5
Date Collected: 05/17/12 09:10
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-06
Matrix: Solid
Percent Solids: 83.2

Method: 8260B - Volatile Organic Compounds by SW846 8260B

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.00606	0.00201	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:16	1.00
1,1,1-Trichloroethane	ND		0.00606	0.00157	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:16	1.00
1,1,2,2-Tetrachloroethane	ND		0.00606	0.00386	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:16	1.00
1,1,2-Trichloroethane	ND		0.00606	0.00269	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:16	1.00
1,1-Dichloroethane	ND		0.00606	0.000818	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:16	1.00
1,1-Dichloroethene	ND		0.00606	0.00105	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:16	1.00
1,2,4-Trimethylbenzene	ND		0.00606	0.00244	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:16	1.00
1,2-Dibromoethane (EDB)	ND		0.00606	0.00183	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:16	1.00
1,2-Dichlorobenzene	ND		0.00606	0.00296	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:16	1.00
1,2-Dichloroethane	ND		0.00606	0.00104	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:16	1.00
1,2-Dichloropropane	ND		0.00606	0.000826	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:16	1.00
1,3-Dichlorobenzene	ND		0.00606	0.00235	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:16	1.00
1,4-Dichlorobenzene	ND		0.00606	0.00229	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:16	1.00
2-Butanone (MEK)	ND		0.0121	0.00557	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:16	1.00
2-Hexanone	ND		0.0121	0.00416	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:16	1.00
4-Isopropyltoluene	ND		0.00606	0.00205	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:16	1.00
4-Methyl-2-pentanone (MIBK)	ND		0.0121	0.00310	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:16	1.00
Acetone	ND		0.0606	0.00577	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:16	1.00
Benzene	ND		0.00606	0.000946	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:16	1.00
Bromobenzene	ND		0.00606	0.00280	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:16	1.00
Bromochloromethane	ND		0.00606	0.000966	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:16	1.00
omodichloromethane	ND		0.00606	0.000828	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:16	1.00
Bromoethane	ND		0.0121	0.00136	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:16	1.00
Bromoform	ND		0.00606	0.00150	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:16	1.00
Bromomethane	ND		0.0121	0.00112	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:16	1.00
Carbon disulfide	ND		0.00606	0.00121	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:16	1.00
Carbon tetrachloride	ND		0.00606	0.00138	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:16	1.00
Chlorobenzene	ND		0.00606	0.00105	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:16	1.00
Chlorodibromomethane	ND		0.00606	0.00215	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:16	1.00
Chloroethane	ND		0.0121	0.00186	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:16	1.00
Chloroform	ND		0.00606	0.000885	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:16	1.00
Chloromethane	ND		0.0121	0.00366	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:16	1.00
cis-1,2-Dichloroethene	ND		0.00606	0.000770	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:16	1.00
cis-1,3-Dichloropropene	ND		0.00606	0.00158	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:16	1.00
Dibromomethane	ND		0.00606	0.00108	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:16	1.00
Dichlorodifluoromethane	ND		0.0242	0.0121	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:16	1.00
Ethylbenzene	ND		0.00606	0.00147	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:16	1.00
Hexachlorobutadiene	ND		0.00606	0.00220	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:16	1.00
Isopropylbenzene	ND		0.00606	0.00220	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:16	1.00
Methyl tert-Butyl Ether	ND		0.00606	0.00105	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:16	1.00
Methylene chloride	ND		0.00606	0.00128	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:16	1.00
n-Butylbenzene	ND		0.00606	0.00201	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:16	1.00
n-Propylbenzene	ND		0.00606	0.00222	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:16	1.00
sec-Butylbenzene	ND		0.00606	0.00255	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:16	1.00
Styrene	ND		0.00606	0.00199	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:16	1.00
tert-Butylbenzene	ND		0.00606	0.00230	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:16	1.00
Tetrachloroethene	ND		0.00606	0.00191	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:16	1.00
luene	ND		0.00606	0.00120	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:16	1.00
trans-1,2-Dichloroethene	ND		0.00606	0.00103	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:16	1.00
trans-1,3-Dichloropropene	ND		0.00606	0.00200	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:16	1.00
Trichloroethene	ND		0.00606	0.00115	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:16	1.00

Client Sample ID: SB-3 4.5

Date Collected: 05/17/12 09:10
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-06

Matrix: Soli
Percent Solids: 83.

Method: 8260B - Volatile Organic Compounds by SW846 8260B (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		0.0121	0.00126	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:16	1.00
Vinyl chloride	ND		0.00606	0.00178	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:16	1.00
Xylenes, total	ND		0.0182	0.00364	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:16	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*105*		*67 - 127*	*05/22/12 12:45*	*05/22/12 22:16*	*1.00*
4-Bromofluorobenzene	*99*		*59 - 119*	*05/22/12 12:45*	*05/22/12 22:16*	*1.00*
Dibromofluoromethane	*96*		*69 - 129*	*05/22/12 12:45*	*05/22/12 22:16*	*1.00*
Toluene-d8	*97*		*76 - 136*	*05/22/12 12:45*	*05/22/12 22:16*	*1.00*

Method: 8270C - Acid and Base/Neutral Extractables by SW846 TRRP

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.396	0.0539	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:58	1.00
1,2-Diphenylhydrazine	ND		0.396	0.0506	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:58	1.00
2,4,5-Trichlorophenol	ND		0.396	0.0412	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:58	1.00
2,4,6-Trichlorophenol	ND		0.396	0.0527	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:58	1.00
2,4-Dichlorophenol	ND		0.396	0.0521	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:58	1.00
2,4-Dimethylphenol	ND		0.396	0.0944	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:58	1.00
2,4-Dinitrophenol	ND		2.01	0.801	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:58	1.00
2,4-Dinitrotoluene	ND		0.396	0.189	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:58	1.00
2,6-Dinitrotoluene	ND		0.396	0.0492	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:58	1.00
2-Chloronaphthalene	ND		0.396	0.0376	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:58	1.00
2-Chlorophenol	ND		0.396	0.0350	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:58	1
2-Methylnaphthalene	ND		0.396	0.0386	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:58	1.00
2-Methylphenol	ND		0.396	0.0478	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:58	1.00
2-Nitroaniline	ND		0.396	0.0510	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:58	1.00
2-Nitrophenol	ND		0.396	0.0756	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:58	1.00
3 & 4 Methylphenol	ND		0.396	0.0778	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:58	1.00
3,3'-Dichlorobenzidine	ND	JL	2.01	0.0642	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:58	1.00
3-Nitroaniline	ND	JL	0.396	0.0383	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:58	1.00
4,6-Dinitro-2-methylphenol	ND		2.01	0.240	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:58	1.00
4-Bromophenyl phenyl ether	ND		0.396	0.0363	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:58	1.00
4-Chloro-3-methylphenol	ND		0.396	0.0633	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:58	1.00
4-Chloroaniline	ND	JL	0.396	0.0450	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:58	1.00
4-Chlorophenyl phenyl ether	ND		0.396	0.0307	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:58	1.00
4-Nitroaniline	ND		0.396	0.120	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:58	1.00
4-Nitrophenol	ND		2.01	0.181	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:58	1.00
Acenaphthene	ND		0.396	0.0416	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:58	1.00
Acenaphthylene	ND		0.396	0.0393	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:58	1.00
Anthracene	ND		0.396	0.0296	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:58	1.00
Benzo[a]anthracene	ND		0.396	0.0239	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:58	1.00
Benzo[a]pyrene	ND		0.396	0.0273	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:58	1.00
Benzo[b]fluoranthene	ND		0.396	0.0626	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:58	1.00
Benzo[g,h,i]perylene	ND		0.396	0.0322	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:58	1.00
Benzo[k]fluoranthene	ND		0.396	0.0477	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:58	1.00
Bis(2-chloroethoxy)methane	ND		0.396	0.0390	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:58	1.00
Bis(2-chloroethyl)ether	ND		0.396	0.0411	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:58	1.00
Bis(2-chloroisopropyl) ether	ND		0.396	0.0327	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:58	1.00
Bis(2-ethylhexyl) phthalate	ND		0.396	0.0503	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:58	1
Butyl benzyl phthalate	ND		0.396	0.0313	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:58	1.00
Chrysene	ND		0.396	0.0271	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:58	1.00

Client Sample ID: SB-3 4.5

Date Collected: 05/17/12 09:10
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-06

Matrix: Solid
Percent Solids: 83.2

Method: 8270C - Acid and Base/Neutral Extractables by SW846 TRRP (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz[a,h]anthracene	ND		0.396	0.101	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:58	1.00
Dibenzofuran	ND		0.396	0.0430	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:58	1.00
Diethyl phthalate	ND		0.396	0.0258	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:58	1.00
Dimethyl phthalate	ND		0.396	0.0286	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:58	1.00
Di-n-butyl phthalate	ND		0.396	0.0295	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:58	1.00
Di-n-octyl phthalate	ND		0.396	0.145	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:58	1.00
Diphenylamine	ND		0.396	0.0273	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:58	1.00
Fluoranthene	ND		0.396	0.0293	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:58	1.00
Fluorene	ND		0.396	0.0277	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:58	1.00
Hexachlorobenzene	ND		0.396	0.0336	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:58	1.00
Hexachlorobutadiene	ND		0.396	0.0487	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:58	1.00
Hexachlorocyclopentadiene	ND		2.01	0.203	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:58	1.00
Hexachloroethane	ND		0.396	0.0517	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:58	1.00
Isophorone	ND		0.396	0.0513	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:58	1.00
Naphthalene	ND		0.396	0.0382	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:58	1.00
Nitrobenzene	ND		0.396	0.0589	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:58	1.00
N-Nitrosodi-n-propylamine	ND		0.396	0.0292	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:58	1.00
N-Nitrosodiphenylamine	ND		0.396	0.0273	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:58	1.00
Pentachloroethane	ND		0.396	0.0364	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:58	1.00
Pentachlorophenol	ND		2.01	0.0605	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:58	1.00
Phenanthrene	ND		0.396	0.0266	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:58	1.00
Phenol	ND		0.396	0.0394	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:58	1.00
Pyrene	ND		0.396	0.0280	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:58	1.00
Pyridine	ND		0.396	0.0463	mg/kg dry	☼	05/31/12 17:00	06/02/12 14:58	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*71*		*42 - 136*	*05/31/12 17:00*	*06/02/12 14:58*	*1.00*
2-Fluorobiphenyl	*75*		*42 - 129*	*05/31/12 17:00*	*06/02/12 14:58*	*1.00*
2-Fluorophenol	*77*		*36 - 114*	*05/31/12 17:00*	*06/02/12 14:58*	*1.00*
Nitrobenzene-d5	*75*		*40 - 122*	*05/31/12 17:00*	*06/02/12 14:58*	*1.00*
Phenol-d5	*78*		*38 - 125*	*05/31/12 17:00*	*06/02/12 14:58*	*1.00*
Terphenyl-d14	*77*		*44 - 127*	*05/31/12 17:00*	*06/02/12 14:58*	*1.00*

Method: 6020 - Total Metals by SW846 Series Methods

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**3.23**		0.601	0.137	mg/kg dry	☼	05/31/12 10:35	05/31/12 16:14	5.00
Barium	**87.8**	**B**	6.01	0.0112	mg/kg dry	☼	05/31/12 10:35	05/31/12 16:14	5.00
Cadmium	**0.266**	**J**	0.601	0.0150	mg/kg dry	☼	05/31/12 10:35	05/31/12 16:14	5.00
Chromium	**12.9**		0.601	0.394	mg/kg dry	☼	05/31/12 10:35	05/31/12 16:14	5.00
Lead	**6.43**		0.601	0.0295	mg/kg dry	☼	05/31/12 10:35	05/31/12 16:14	5.00
Selenium	ND		0.601	0.224	mg/kg dry	☼	05/31/12 10:35	05/31/12 16:14	5.00
Silver	ND		0.601	0.144	mg/kg dry	☼	05/31/12 10:35	05/31/12 16:14	5.00

Method: 7471A - Total Metals by SW846 Series Methods

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0173**	**J**	0.111	0.00755	mg/kg dry	☼	05/31/12 11:15	05/31/12 15:12	1.00

Method: ASTM D2216-90 - General Chemistry Parameters

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Dry Weight	**83.2**		0.500		%		05/23/12 16:30	05/24/12 10:35	1.00

Client Sample Results

Client: TITAN Engineering, Inc.
Project/Site: 583-01

TestAmerica Job ID: AVE0225

Client Sample ID: SB-3 4.5

Date Collected: 05/17/12 09:10
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-06

Matrix: Soli
Percent Solids: 83.

Method: SW846 9045C - General Chemistry Parameters

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.21		0.100		pH Units		05/30/12 13:44	05/30/12 15:00	1.00

Client Sample Results

Client: TITAN Engineering, Inc.
Project/Site: 583-01

TestAmerica Job ID: AVE0225

Client Sample ID: SB-4 1
Date Collected: 05/17/12 09:40
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-07
Matrix: Solid
Percent Solids: 85.6

Method: 8260B - Volatile Organic Compounds by SW846 8260B

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.00579	0.00192	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:40	1.00
1,1,1-Trichloroethane	ND		0.00579	0.00150	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:40	1.00
1,1,2,2-Tetrachloroethane	ND		0.00579	0.00369	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:40	1.00
1,1,2-Trichloroethane	ND		0.00579	0.00257	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:40	1.00
1,1-Dichloroethane	ND		0.00579	0.000782	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:40	1.00
1,1-Dichloroethene	ND		0.00579	0.000999	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:40	1.00
1,2,4-Trimethylbenzene	ND		0.00579	0.00233	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:40	1.00
1,2-Dibromoethane (EDB)	ND		0.00579	0.00175	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:40	1.00
1,2-Dichlorobenzene	ND		0.00579	0.00283	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:40	1.00
1,2-Dichloroethane	ND		0.00579	0.000997	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:40	1.00
1,2-Dichloropropane	ND		0.00579	0.000789	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:40	1.00
1,3-Dichlorobenzene	ND		0.00579	0.00224	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:40	1.00
1,4-Dichlorobenzene	ND		0.00579	0.00219	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:40	1.00
2-Butanone (MEK)	ND		0.0116	0.00533	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:40	1.00
2-Hexanone	ND		0.0116	0.00397	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:40	1.00
4-Isopropyltoluene	ND		0.00579	0.00196	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:40	1.00
4-Methyl-2-pentanone (MIBK)	ND		0.0116	0.00296	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:40	1.00
Acetone	ND		0.0579	0.00552	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:40	1.00
Benzene	ND		0.00579	0.000904	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:40	1.00
Bromobenzene	ND		0.00579	0.00268	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:40	1.00
Bromochloromethane	ND		0.00579	0.000923	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:40	1.00
Bromodichloromethane	ND		0.00579	0.000791	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:40	1.00
Bromoethane	ND		0.0116	0.00130	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:40	1.00
Bromoform	ND		0.00579	0.00143	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:40	1.00
Bromomethane	ND		0.0116	0.00107	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:40	1.00
Carbon disulfide	ND		0.00579	0.00115	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:40	1.00
Carbon tetrachloride	ND		0.00579	0.00132	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:40	1.00
Chlorobenzene	ND		0.00579	0.00100	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:40	1.00
Chlorodibromomethane	ND		0.00579	0.00206	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:40	1.00
Chloroethane	ND		0.0116	0.00178	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:40	1.00
Chloroform	ND		0.00579	0.000846	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:40	1.00
Chloromethane	ND		0.0116	0.00350	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:40	1.00
cis-1,2-Dichloroethene	ND		0.00579	0.000736	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:40	1.00
cis-1,3-Dichloropropene	ND		0.00579	0.00151	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:40	1.00
Dibromomethane	ND		0.00579	0.00103	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:40	1.00
Dichlorodifluoromethane	ND		0.0232	0.0116	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:40	1.00
Ethylbenzene	ND		0.00579	0.00140	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:40	1.00
Hexachlorobutadiene	ND		0.00579	0.00210	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:40	1.00
Isopropylbenzene	ND		0.00579	0.00210	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:40	1.00
Methyl tert-Butyl Ether	ND		0.00579	0.00100	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:40	1.00
Methylene chloride	ND		0.00579	0.00123	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:40	1.00
n-Butylbenzene	ND		0.00579	0.00192	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:40	1.00
n-Propylbenzene	ND		0.00579	0.00212	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:40	1.00
sec-Butylbenzene	ND		0.00579	0.00244	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:40	1.00
Styrene	ND		0.00579	0.00190	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:40	1.00
tert-Butylbenzene	ND		0.00579	0.00220	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:40	1.00
Tetrachloroethene	ND		0.00579	0.00183	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:40	1.00
Toluene	ND		0.00579	0.00115	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:40	1.00
trans-1,2-Dichloroethene	ND		0.00579	0.000983	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:40	1.00
trans-1,3-Dichloropropene	ND		0.00579	0.00191	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:40	1.00
Trichloroethene	ND		0.00579	0.00110	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:40	1.00

Client Sample ID: SB-4 1

Date Collected: 05/17/12 09:40
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-07

Matrix: Sol
Percent Solids: 8

Method: 8260B - Volatile Organic Compounds by SW846 8260B (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		0.0116	0.00120	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:40	1.00
Vinyl chloride	ND		0.00579	0.00170	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:40	1.00
Xylenes, total	ND		0.0174	0.00347	mg/kg dry	☼	05/22/12 12:45	05/22/12 22:40	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*115*		*67 - 127*	*05/22/12 12:45*	*05/22/12 22:40*	*1.00*
4-Bromofluorobenzene	*106*		*59 - 119*	*05/22/12 12:45*	*05/22/12 22:40*	*1.00*
Dibromofluoromethane	*96*		*69 - 129*	*05/22/12 12:45*	*05/22/12 22:40*	*1.00*
Toluene-d8	*99*		*76 - 136*	*05/22/12 12:45*	*05/22/12 22:40*	*1.00*

Method: 8270C - Acid and Base/Neutral Extractables by SW846 TRRP

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.385	0.0524	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:20	1.00
1,2-Diphenylhydrazine	ND		0.385	0.0492	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:20	1.00
2,4,5-Trichlorophenol	ND		0.385	0.0400	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:20	1.00
2,4,6-Trichlorophenol	ND		0.385	0.0513	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:20	1.00
2,4-Dichlorophenol	ND		0.385	0.0506	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:20	1.00
2,4-Dimethylphenol	ND		0.385	0.0918	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:20	1.00
2,4-Dinitrophenol	ND		1.95	0.779	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:20	1.00
2,4-Dinitrotoluene	ND		0.385	0.184	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:20	1.00
2,6-Dinitrotoluene	ND		0.385	0.0478	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:20	1.00
2-Chloronaphthalene	ND		0.385	0.0365	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:20	1.00
2-Chlorophenol	ND		0.385	0.0340	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:20	1
2-Methylnaphthalene	ND		0.385	0.0375	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:20	1.00
2-Methylphenol	ND		0.385	0.0465	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:20	1.00
2-Nitroaniline	ND		0.385	0.0496	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:20	1.00
2-Nitrophenol	ND		0.385	0.0736	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:20	1.00
3 & 4 Methylphenol	ND		0.385	0.0756	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:20	1.00
3,3'-Dichlorobenzidine	ND	JL	1.95	0.0625	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:20	1.00
3-Nitroaniline	ND	JL	0.385	0.0372	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:20	1.00
4,6-Dinitro-2-methylphenol	ND		1.95	0.234	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:20	1.00
4-Bromophenyl phenyl ether	ND		0.385	0.0353	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:20	1.00
4-Chloro-3-methylphenol	ND		0.385	0.0616	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:20	1.00
4-Chloroaniline	ND	JL	0.385	0.0438	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:20	1.00
4-Chlorophenyl phenyl ether	ND		0.385	0.0298	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:20	1.00
4-Nitroaniline	ND		0.385	0.117	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:20	1.00
4-Nitrophenol	ND		1.95	0.176	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:20	1.00
Acenaphthene	ND		0.385	0.0405	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:20	1.00
Acenaphthylene	ND		0.385	0.0382	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:20	1.00
Anthracene	ND		0.385	0.0288	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:20	1.00
Benzo[a]anthracene	**0.0312**	**J**	0.385	0.0232	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:20	1.00
Benzo[a]pyrene	ND		0.385	0.0266	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:20	1.00
Benzo[b]fluoranthene	ND		0.385	0.0609	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:20	1.00
Benzo[g,h,i]perylene	**0.0369**	**J**	0.385	0.0313	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:20	1.00
Benzo[k]fluoranthene	ND		0.385	0.0464	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:20	1.00
Bis(2-chloroethoxy)methane	ND		0.385	0.0379	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:20	1.00
Bis(2-chloroethyl)ether	ND		0.385	0.0400	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:20	1.00
Bis(2-chloroisopropyl) ether	ND		0.385	0.0318	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:20	1.00
Bis(2-ethylhexyl) phthalate	ND		0.385	0.0489	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:20	1
Butyl benzyl phthalate	ND		0.385	0.0305	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:20	1.00
Chrysene	**0.0339**	**J**	0.385	0.0264	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:20	1.00

Client Sample ID: SB-4 1

Date Collected: 05/17/12 09:40
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-07

Matrix: Solid
Percent Solids: 85.6

Method: 8270C - Acid and Base/Neutral Extractables by SW846 TRRP (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz[a,h]anthracene	ND		0.385	0.0981	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:20	1.00
Dibenzofuran	ND		0.385	0.0419	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:20	1.00
Diethyl phthalate	ND		0.385	0.0251	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:20	1.00
Dimethyl phthalate	ND		0.385	0.0278	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:20	1.00
Di-n-butyl phthalate	ND		0.385	0.0287	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:20	1.00
Di-n-octyl phthalate	ND		0.385	0.141	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:20	1.00
Diphenylamine	ND		0.385	0.0265	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:20	1.00
Fluoranthene	**0.0894**	**J**	0.385	0.0285	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:20	1.00
Fluorene	ND		0.385	0.0270	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:20	1.00
Hexachlorobenzene	ND		0.385	0.0327	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:20	1.00
Hexachlorobutadiene	ND		0.385	0.0474	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:20	1.00
Hexachlorocyclopentadiene	ND		1.95	0.197	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:20	1.00
Hexachloroethane	ND		0.385	0.0502	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:20	1.00
Isophorone	ND		0.385	0.0499	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:20	1.00
Naphthalene	ND		0.385	0.0371	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:20	1.00
Nitrobenzene	ND		0.385	0.0573	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:20	1.00
N-Nitrosodi-n-propylamine	ND		0.385	0.0284	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:20	1.00
N-Nitrosodiphenylamine	ND		0.385	0.0265	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:20	1.00
Pentachloroethane	ND		0.385	0.0354	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:20	1.00
Pentachlorophenol	ND		1.95	0.0588	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:20	1.00
Phenanthrene	ND		0.385	0.0258	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:20	1.00
Phenol	ND		0.385	0.0383	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:20	1.00
Pyrene	**0.0970**	**J**	0.385	0.0272	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:20	1.00
Pyridine	ND		0.385	0.0450	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:20	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*65*		*42 - 136*	*05/31/12 17:00*	*06/02/12 15:20*	*1.00*
2-Fluorobiphenyl	*72*		*42 - 129*	*05/31/12 17:00*	*06/02/12 15:20*	*1.00*
2-Fluorophenol	*72*		*36 - 114*	*05/31/12 17:00*	*06/02/12 15:20*	*1.00*
Nitrobenzene-d5	*71*		*40 - 122*	*05/31/12 17:00*	*06/02/12 15:20*	*1.00*
Phenol-d5	*73*		*38 - 125*	*05/31/12 17:00*	*06/02/12 15:20*	*1.00*
Terphenyl-d14	*71*		*44 - 127*	*05/31/12 17:00*	*06/02/12 15:20*	*1.00*

Method: 6020 - Total Metals by SW846 Series Methods

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**3.88**		0.556	0.127	mg/kg dry	☼	05/31/12 10:35	05/31/12 16:19	5.00
Barium	**166**	**B**	5.56	0.0103	mg/kg dry	☼	05/31/12 10:35	05/31/12 16:19	5.00
Cadmium	**0.222**	**J**	0.556	0.0139	mg/kg dry	☼	05/31/12 10:35	05/31/12 16:19	5.00
Chromium	**17.2**		0.556	0.365	mg/kg dry	☼	05/31/12 10:35	05/31/12 16:19	5.00
Lead	**11.3**		0.556	0.0272	mg/kg dry	☼	05/31/12 10:35	05/31/12 16:19	5.00
Selenium	ND		0.556	0.207	mg/kg dry	☼	05/31/12 10:35	05/31/12 16:19	5.00
Silver	ND		0.556	0.133	mg/kg dry	☼	05/31/12 10:35	05/31/12 16:19	5.00

Method: 7471A - Total Metals by SW846 Series Methods

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.109	0.00744	mg/kg dry	☼	05/31/12 11:15	05/31/12 15:13	1.00

Method: ASTM D2216-90 - General Chemistry Parameters

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Dry Weight	**85.6**		0.500		%		05/23/12 16:30	05/24/12 10:37	1.00

Client Sample Results

Client: TITAN Engineering, Inc.
Project/Site: 583-01

TestAmerica Job ID: AVE0225

Client Sample ID: SB-4 1

Date Collected: 05/17/12 09:40
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-07

Matrix: Sol
Percent Solids: 85

Method: SW846 9045C - General Chemistry Parameters

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	9.79		0.100		pH Units		05/30/12 13:44	05/30/12 15:00	1.00

Client Sample Results

Client: TITAN Engineering, Inc.
Project/Site: 583-01

TestAmerica Job ID: AVE0225

Client Sample ID: SB-4 4
Date Collected: 05/17/12 09:45
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-08
Matrix: Solid
Percent Solids: 85.6

Method: 8260B - Volatile Organic Compounds by SW846 8260B

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.00576	0.00191	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:03	1.00
1,1,1-Trichloroethane	ND		0.00576	0.00149	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:03	1.00
1,1,2,2-Tetrachloroethane	ND		0.00576	0.00367	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:03	1.00
1,1,2-Trichloroethane	ND		0.00576	0.00255	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:03	1.00
1,1-Dichloroethane	ND		0.00576	0.000778	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:03	1.00
1,1-Dichloroethene	ND		0.00576	0.000993	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:03	1.00
1,2,4-Trimethylbenzene	ND		0.00576	0.00232	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:03	1.00
1,2-Dibromoethane (EDB)	ND		0.00576	0.00174	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:03	1.00
1,2-Dichlorobenzene	ND		0.00576	0.00281	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:03	1.00
1,2-Dichloroethane	ND		0.00576	0.000992	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:03	1.00
1,2-Dichloropropane	ND		0.00576	0.000784	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:03	1.00
1,3-Dichlorobenzene	ND		0.00576	0.00223	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:03	1.00
1,4-Dichlorobenzene	ND		0.00576	0.00217	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:03	1.00
2-Butanone (MEK)	ND		0.0115	0.00530	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:03	1.00
2-Hexanone	ND		0.0115	0.00395	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:03	1.00
4-Isopropyltoluene	ND		0.00576	0.00195	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:03	1.00
4-Methyl-2-pentanone (MIBK)	ND		0.0115	0.00294	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:03	1.00
Acetone	ND		0.0576	0.00548	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:03	1.00
Benzene	ND		0.00576	0.000899	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:03	1.00
Bromobenzene	ND		0.00576	0.00266	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:03	1.00
Bromochloromethane	ND		0.00576	0.000918	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:03	1.00
Bromodichloromethane	ND		0.00576	0.000787	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:03	1.00
Bromoethane	ND		0.0115	0.00129	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:03	1.00
Bromoform	ND		0.00576	0.00142	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:03	1.00
Bromomethane	ND		0.0115	0.00106	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:03	1.00
Carbon disulfide	ND		0.00576	0.00115	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:03	1.00
Carbon tetrachloride	ND		0.00576	0.00131	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:03	1.00
Chlorobenzene	ND		0.00576	0.000994	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:03	1.00
Chlorodibromomethane	ND		0.00576	0.00205	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:03	1.00
Chloroethane	ND		0.0115	0.00177	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:03	1.00
Chloroform	ND		0.00576	0.000841	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:03	1.00
Chloromethane	ND		0.0115	0.00348	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:03	1.00
cis-1,2-Dichloroethene	ND		0.00576	0.000731	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:03	1.00
cis-1,3-Dichloropropene	ND		0.00576	0.00150	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:03	1.00
Dibromomethane	ND		0.00576	0.00102	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:03	1.00
Dichlorodifluoromethane	ND		0.0230	0.0115	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:03	1.00
Ethylbenzene	ND		0.00576	0.00140	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:03	1.00
Hexachlorobutadiene	ND		0.00576	0.00209	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:03	1.00
Isopropylbenzene	ND		0.00576	0.00209	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:03	1.00
Methyl tert-Butyl Ether	ND		0.00576	0.000995	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:03	1.00
Methylene chloride	ND		0.00576	0.00122	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:03	1.00
n-Butylbenzene	ND		0.00576	0.00191	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:03	1.00
n-Propylbenzene	ND		0.00576	0.00211	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:03	1.00
sec-Butylbenzene	ND		0.00576	0.00243	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:03	1.00
Styrene	ND		0.00576	0.00189	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:03	1.00
tert-Butylbenzene	ND		0.00576	0.00219	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:03	1.00
Tetrachloroethene	ND		0.00576	0.00182	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:03	1.00
Toluene	ND		0.00576	0.00114	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:03	1.00
trans-1,2-Dichloroethene	ND		0.00576	0.000978	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:03	1.00
trans-1,3-Dichloropropene	ND		0.00576	0.00190	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:03	1.00
Trichloroethene	ND		0.00576	0.00109	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:03	1.00

Client Sample ID: SB-4 4

Date Collected: 05/17/12 09:45
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-08

Matrix: Soil
Percent Solids: 85.

Method: 8260B - Volatile Organic Compounds by SW846 8260B (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		0.0115	0.00119	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:03	1.00
Vinyl chloride	ND		0.00576	0.00169	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:03	1.00
Xylenes, total	ND		0.0173	0.00345	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:03	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*105*		*67 - 127*	*05/22/12 12:45*	*05/22/12 23:03*	*1.00*
4-Bromofluorobenzene	*103*		*59 - 119*	*05/22/12 12:45*	*05/22/12 23:03*	*1.00*
Dibromofluoromethane	*96*		*69 - 129*	*05/22/12 12:45*	*05/22/12 23:03*	*1.00*
Toluene-d8	*98*		*76 - 136*	*05/22/12 12:45*	*05/22/12 23:03*	*1.00*

Method: 8270C - Acid and Base/Neutral Extractables by SW846 TRRP

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.385	0.0524	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:42	1.00
1,2-Diphenylhydrazine	ND		0.385	0.0492	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:42	1.00
2,4,5-Trichlorophenol	ND		0.385	0.0400	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:42	1.00
2,4,6-Trichlorophenol	ND		0.385	0.0512	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:42	1.00
2,4-Dichlorophenol	ND		0.385	0.0506	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:42	1.00
2,4-Dimethylphenol	ND		0.385	0.0917	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:42	1.00
2,4-Dinitrophenol	ND		1.95	0.779	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:42	1.00
2,4-Dinitrotoluene	ND		0.385	0.184	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:42	1.00
2,6-Dinitrotoluene	ND		0.385	0.0478	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:42	1.00
2-Chloronaphthalene	ND		0.385	0.0365	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:42	1.00
2-Chlorophenol	ND		0.385	0.0340	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:42	1
2-Methylnaphthalene	ND		0.385	0.0375	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:42	1.00
2-Methylphenol	ND		0.385	0.0465	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:42	1.00
2-Nitroaniline	ND		0.385	0.0496	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:42	1.00
2-Nitrophenol	ND		0.385	0.0735	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:42	1.00
3 & 4 Methylphenol	ND		0.385	0.0756	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:42	1.00
3,3'-Dichlorobenzidine	ND	JL	1.95	0.0624	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:42	1.00
3-Nitroaniline	ND	JL	0.385	0.0372	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:42	1.00
4,6-Dinitro-2-methylphenol	ND		1.95	0.233	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:42	1.00
4-Bromophenyl phenyl ether	ND		0.385	0.0353	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:42	1.00
4-Chloro-3-methylphenol	ND		0.385	0.0615	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:42	1.00
4-Chloroaniline	ND	JL	0.385	0.0438	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:42	1.00
4-Chlorophenyl phenyl ether	ND		0.385	0.0298	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:42	1.00
4-Nitroaniline	ND		0.385	0.117	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:42	1.00
4-Nitrophenol	ND		1.95	0.176	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:42	1.00
Acenaphthene	ND		0.385	0.0405	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:42	1.00
Acenaphthylene	ND		0.385	0.0382	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:42	1.00
Anthracene	ND		0.385	0.0288	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:42	1.00
Benzo[a]anthracene	ND		0.385	0.0232	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:42	1.00
Benzo[a]pyrene	ND		0.385	0.0266	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:42	1.00
Benzo[b]fluoranthene	ND		0.385	0.0609	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:42	1.00
Benzo[g,h,i]perylene	ND		0.385	0.0313	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:42	1.00
Benzo[k]fluoranthene	ND		0.385	0.0464	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:42	1.00
Bis(2-chloroethoxy)methane	ND		0.385	0.0379	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:42	1.00
Bis(2-chloroethyl)ether	ND		0.385	0.0400	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:42	1.00
Bis(2-chloroisopropyl) ether	ND		0.385	0.0318	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:42	1.00
Bis(2-ethylhexyl) phthalate	ND		0.385	0.0489	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:42	1
Butyl benzyl phthalate	ND		0.385	0.0305	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:42	1.00
Chrysene	ND		0.385	0.0264	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:42	1.00

Client Sample ID: SB-4 4

Date Collected: 05/17/12 09:45
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-08

Matrix: Solid
Percent Solids: 85.6

Method: 8270C - Acid and Base/Neutral Extractables by SW846 TRRP (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz[a,h]anthracene	ND		0.385	0.0980	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:42	1.00
Dibenzofuran	ND		0.385	0.0418	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:42	1.00
Diethyl phthalate	ND		0.385	0.0251	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:42	1.00
Dimethyl phthalate	ND		0.385	0.0278	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:42	1.00
Di-n-butyl phthalate	ND		0.385	0.0287	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:42	1.00
Di-n-octyl phthalate	ND		0.385	0.141	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:42	1.00
Diphenylamine	ND		0.385	0.0265	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:42	1.00
Fluoranthene	ND		0.385	0.0285	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:42	1.00
Fluorene	ND		0.385	0.0270	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:42	1.00
Hexachlorobenzene	ND		0.385	0.0327	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:42	1.00
Hexachlorobutadiene	ND		0.385	0.0473	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:42	1.00
Hexachlorocyclopentadiene	ND		1.95	0.197	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:42	1.00
Hexachloroethane	ND		0.385	0.0502	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:42	1.00
Isophorone	ND		0.385	0.0498	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:42	1.00
Naphthalene	ND		0.385	0.0371	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:42	1.00
Nitrobenzene	ND		0.385	0.0573	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:42	1.00
N-Nitrosodi-n-propylamine	ND		0.385	0.0284	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:42	1.00
N-Nitrosodiphenylamine	ND		0.385	0.0265	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:42	1.00
Pentachloroethane	ND		0.385	0.0354	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:42	1.00
Pentachlorophenol	ND		1.95	0.0588	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:42	1.00
Phenanthrene	ND		0.385	0.0258	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:42	1.00
Phenol	ND		0.385	0.0383	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:42	1.00
Pyrene	ND		0.385	0.0272	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:42	1.00
Pyridine	ND		0.385	0.0450	mg/kg dry	☼	05/31/12 17:00	06/02/12 15:42	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*67*		*42 - 136*	*05/31/12 17:00*	*06/02/12 15:42*	*1.00*
2-Fluorobiphenyl	*70*		*42 - 129*	*05/31/12 17:00*	*06/02/12 15:42*	*1.00*
2-Fluorophenol	*71*		*36 - 114*	*05/31/12 17:00*	*06/02/12 15:42*	*1.00*
Nitrobenzene-d5	*70*		*40 - 122*	*05/31/12 17:00*	*06/02/12 15:42*	*1.00*
Phenol-d5	*73*		*38 - 125*	*05/31/12 17:00*	*06/02/12 15:42*	*1.00*
Terphenyl-d14	*71*		*44 - 127*	*05/31/12 17:00*	*06/02/12 15:42*	*1.00*

Method: 6020 - Total Metals by SW846 Series Methods

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**5.29**		0.584	0.134	mg/kg dry	☼	05/31/12 10:35	05/31/12 16:24	5.00
Barium	**71.5**	**B**	5.84	0.0109	mg/kg dry	☼	05/31/12 10:35	05/31/12 16:24	5.00
Cadmium	**0.258**	**J**	0.584	0.0146	mg/kg dry	☼	05/31/12 10:35	05/31/12 16:24	5.00
Chromium	**8.58**		0.584	0.383	mg/kg dry	☼	05/31/12 10:35	05/31/12 16:24	5.00
Lead	**4.85**		0.584	0.0286	mg/kg dry	☼	05/31/12 10:35	05/31/12 16:24	5.00
Selenium	ND		0.584	0.217	mg/kg dry	☼	05/31/12 10:35	05/31/12 16:24	5.00
Silver	ND		0.584	0.140	mg/kg dry	☼	05/31/12 10:35	05/31/12 16:24	5.00

Method: 7471A - Total Metals by SW846 Series Methods

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.113	0.00769	mg/kg dry	☼	05/31/12 11:15	05/31/12 15:15	1.00

Method: ASTM D2216-90 - General Chemistry Parameters

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Dry Weight	**85.6**		0.500		%		05/23/12 16:30	05/24/12 10:39	1.00

Client Sample Results

Client: TITAN Engineering, Inc.
Project/Site: 583-01

TestAmerica Job ID: AVE0225

Client Sample ID: SB-4 4

Date Collected: 05/17/12 09:45
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-08

Matrix: Sol
Percent Solids: 85.

Method: SW846 9045C - General Chemistry Parameters

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.37		0.100		pH Units		05/30/12 13:44	05/30/12 15:00	1.00

Client Sample Results

Client: TITAN Engineering, Inc.
Project/Site: 583-01

TestAmerica Job ID: AVE0225

Client Sample ID: SB-5 1
Date Collected: 05/17/12 10:15
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-09
Matrix: Solid
Percent Solids: 81.5

Method: 8260B - Volatile Organic Compounds by SW846 8260B

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.00603	0.00200	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:27	1.00
1,1,1-Trichloroethane	ND		0.00603	0.00156	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:27	1.00
1,1,2,2-Tetrachloroethane	ND		0.00603	0.00384	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:27	1.00
1,1,2-Trichloroethane	ND		0.00603	0.00267	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:27	1.00
1,1-Dichloroethane	ND		0.00603	0.000814	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:27	1.00
1,1-Dichloroethene	ND		0.00603	0.00104	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:27	1.00
1,2,4-Trimethylbenzene	ND		0.00603	0.00242	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:27	1.00
1,2-Dibromoethane (EDB)	ND		0.00603	0.00182	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:27	1.00
1,2-Dichlorobenzene	ND		0.00603	0.00294	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:27	1.00
1,2-Dichloroethane	ND		0.00603	0.00104	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:27	1.00
1,2-Dichloropropane	ND		0.00603	0.000821	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:27	1.00
1,3-Dichlorobenzene	ND		0.00603	0.00234	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:27	1.00
1,4-Dichlorobenzene	ND		0.00603	0.00227	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:27	1.00
2-Butanone (MEK)	**0.0159**		0.0121	0.00554	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:27	1.00
2-Hexanone	ND		0.0121	0.00414	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:27	1.00
4-Isopropyltoluene	ND		0.00603	0.00204	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:27	1.00
4-Methyl-2-pentanone (MIBK)	ND		0.0121	0.00308	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:27	1.00
Acetone	**0.0503**	**J**	0.0603	0.00574	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:27	1.00
Benzene	ND		0.00603	0.000940	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:27	1.00
Bromobenzene	ND		0.00603	0.00279	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:27	1.00
Bromochloromethane	ND		0.00603	0.000961	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:27	1.00
Bromodichloromethane	ND		0.00603	0.000823	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:27	1.00
Bromoethane	ND		0.0121	0.00135	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:27	1.00
Bromoform	ND		0.00603	0.00149	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:27	1.00
Bromomethane	ND		0.0121	0.00111	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:27	1.00
Carbon disulfide	ND		0.00603	0.00120	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:27	1.00
Carbon tetrachloride	ND		0.00603	0.00137	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:27	1.00
Chlorobenzene	ND		0.00603	0.00104	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:27	1.00
Chlorodibromomethane	ND		0.00603	0.00214	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:27	1.00
Chloroethane	ND		0.0121	0.00185	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:27	1.00
Chloroform	ND		0.00603	0.000880	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:27	1.00
Chloromethane	ND		0.0121	0.00364	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:27	1.00
cis-1,2-Dichloroethene	ND		0.00603	0.000765	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:27	1.00
cis-1,3-Dichloropropene	ND		0.00603	0.00157	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:27	1.00
Dibromomethane	ND		0.00603	0.00107	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:27	1.00
Dichlorodifluoromethane	ND		0.0241	0.0121	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:27	1.00
Ethylbenzene	ND		0.00603	0.00146	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:27	1.00
Hexachlorobutadiene	ND		0.00603	0.00219	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:27	1.00
Isopropylbenzene	ND		0.00603	0.00219	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:27	1.00
Methyl tert-Butyl Ether	ND		0.00603	0.00104	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:27	1.00
Methylene chloride	ND		0.00603	0.00128	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:27	1.00
n-Butylbenzene	ND		0.00603	0.00200	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:27	1.00
n-Propylbenzene	ND		0.00603	0.00220	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:27	1.00
sec-Butylbenzene	ND		0.00603	0.00254	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:27	1.00
Styrene	ND		0.00603	0.00198	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:27	1.00
tert-Butylbenzene	ND		0.00603	0.00229	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:27	1.00
Tetrachloroethene	ND		0.00603	0.00190	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:27	1.00
Toluene	ND		0.00603	0.00120	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:27	1.00
trans-1,2-Dichloroethene	ND		0.00603	0.00102	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:27	1.00
trans-1,3-Dichloropropene	ND		0.00603	0.00199	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:27	1.00
Trichloroethene	ND		0.00603	0.00114	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:27	1.00

Client Sample ID: SB-5 1

Date Collected: 05/17/12 10:15
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-09

Matrix: Soil
Percent Solids: 8

Method: 8260B - Volatile Organic Compounds by SW846 8260B (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		0.0121	0.00125	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:27	1.00
Vinyl chloride	ND		0.00603	0.00177	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:27	1.00
Xylenes, total	ND		0.0181	0.00361	mg/kg dry	☼	05/22/12 12:45	05/22/12 23:27	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*105*		*67 - 127*	*05/22/12 12:45*	*05/22/12 23:27*	*1.00*
4-Bromofluorobenzene	*99*		*59 - 119*	*05/22/12 12:45*	*05/22/12 23:27*	*1.00*
Dibromofluoromethane	*97*		*69 - 129*	*05/22/12 12:45*	*05/22/12 23:27*	*1.00*
Toluene-d8	*98*		*76 - 136*	*05/22/12 12:45*	*05/22/12 23:27*	*1.00*

Method: 8270C - Acid and Base/Neutral Extractables by SW846 TRRP

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.405	0.0551	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:04	1.00
1,2-Diphenylhydrazine	ND		0.405	0.0517	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:04	1.00
2,4,5-Trichlorophenol	ND		0.405	0.0421	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:04	1.00
2,4,6-Trichlorophenol	ND		0.405	0.0539	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:04	1.00
2,4-Dichlorophenol	ND		0.405	0.0532	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:04	1.00
2,4-Dimethylphenol	ND		0.405	0.0964	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:04	1.00
2,4-Dinitrophenol	ND		2.05	0.818	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:04	1.00
2,4-Dinitrotoluene	ND		0.405	0.193	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:04	1.00
2,6-Dinitrotoluene	ND		0.405	0.0503	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:04	1.00
2-Chloronaphthalene	ND		0.405	0.0384	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:04	1.00
2-Chlorophenol	ND		0.405	0.0357	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:04	1
2-Methylnaphthalene	ND		0.405	0.0394	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:04	1.00
2-Methylphenol	ND		0.405	0.0489	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:04	1.00
2-Nitroaniline	ND		0.405	0.0521	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:04	1.00
2-Nitrophenol	ND		0.405	0.0773	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:04	1.00
3 & 4 Methylphenol	ND		0.405	0.0795	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:04	1.00
3,3'-Dichlorobenzidine	ND	JL	2.05	0.0656	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:04	1.00
3-Nitroaniline	ND	JL	0.405	0.0391	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:04	1.00
4,6-Dinitro-2-methylphenol	ND		2.05	0.245	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:04	1.00
4-Bromophenyl phenyl ether	ND		0.405	0.0371	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:04	1.00
4-Chloro-3-methylphenol	ND		0.405	0.0647	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:04	1.00
4-Chloroaniline	ND	JL	0.405	0.0460	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:04	1.00
4-Chlorophenyl phenyl ether	ND		0.405	0.0313	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:04	1.00
4-Nitroaniline	ND		0.405	0.123	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:04	1.00
4-Nitrophenol	ND		2.05	0.185	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:04	1.00
Acenaphthene	ND		0.405	0.0426	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:04	1.00
Acenaphthylene	ND		0.405	0.0402	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:04	1.00
Anthracene	ND		0.405	0.0302	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:04	1.00
Benzo[a]anthracene	ND		0.405	0.0244	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:04	1.00
Benzo[a]pyrene	ND		0.405	0.0279	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:04	1.00
Benzo[b]fluoranthene	ND		0.405	0.0640	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:04	1.00
Benzo[g,h,i]perylene	ND		0.405	0.0329	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:04	1.00
Benzo[k]fluoranthene	ND		0.405	0.0487	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:04	1.00
Bis(2-chloroethoxy)methane	ND		0.405	0.0399	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:04	1.00
Bis(2-chloroethyl)ether	ND		0.405	0.0420	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:04	1.00
Bis(2-chloroisopropyl) ether	ND		0.405	0.0334	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:04	1.00
Bis(2-ethylhexyl) phthalate	ND		0.405	0.0514	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:04	1
Butyl benzyl phthalate	ND		0.405	0.0320	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:04	1.00
Chrysene	ND		0.405	0.0277	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:04	1.00

Client Sample ID: SB-5 1

Date Collected: 05/17/12 10:15
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-09

Matrix: Solid
Percent Solids: 81.5

Method: 8270C - Acid and Base/Neutral Extractables by SW846 TRRP (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz[a,h]anthracene	ND		0.405	0.103	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:04	1.00
Dibenzofuran	ND		0.405	0.0440	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:04	1.00
Diethyl phthalate	ND		0.405	0.0264	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:04	1.00
Dimethyl phthalate	ND		0.405	0.0292	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:04	1.00
Di-n-butyl phthalate	ND		0.405	0.0301	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:04	1.00
Di-n-octyl phthalate	ND		0.405	0.148	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:04	1.00
Diphenylamine	ND		0.405	0.0279	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:04	1.00
Fluoranthene	ND		0.405	0.0299	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:04	1.00
Fluorene	ND		0.405	0.0283	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:04	1.00
Hexachlorobenzene	ND		0.405	0.0344	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:04	1.00
Hexachlorobutadiene	ND		0.405	0.0498	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:04	1.00
Hexachlorocyclopentadiene	ND		2.05	0.207	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:04	1.00
Hexachloroethane	ND		0.405	0.0528	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:04	1.00
Isophorone	ND		0.405	0.0524	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:04	1.00
Naphthalene	ND		0.405	0.0390	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:04	1.00
Nitrobenzene	ND		0.405	0.0602	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:04	1.00
N-Nitrosodi-n-propylamine	ND		0.405	0.0298	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:04	1.00
N-Nitrosodiphenylamine	ND		0.405	0.0279	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:04	1.00
Pentachloroethane	ND		0.405	0.0372	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:04	1.00
Pentachlorophenol	ND		2.05	0.0618	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:04	1.00
Phenanthrene	ND		0.405	0.0271	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:04	1.00
Phenol	ND		0.405	0.0402	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:04	1.00
Pyrene	ND		0.405	0.0286	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:04	1.00
Pyridine	ND		0.405	0.0473	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:04	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*69*		*42 - 136*	*05/31/12 17:00*	*06/02/12 16:04*	*1.00*
2-Fluorobiphenyl	*71*		*42 - 129*	*05/31/12 17:00*	*06/02/12 16:04*	*1.00*
2-Fluorophenol	*74*		*36 - 114*	*05/31/12 17:00*	*06/02/12 16:04*	*1.00*
Nitrobenzene-d5	*70*		*40 - 122*	*05/31/12 17:00*	*06/02/12 16:04*	*1.00*
Phenol-d5	*74*		*38 - 125*	*05/31/12 17:00*	*06/02/12 16:04*	*1.00*
Terphenyl-d14	*75*		*44 - 127*	*05/31/12 17:00*	*06/02/12 16:04*	*1.00*

Method: 6020 - Total Metals by SW846 Series Methods

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**4.03**		0.483	0.110	mg/kg dry	☼	05/31/12 10:35	05/31/12 16:28	5.00
Barium	**169**	**B**	4.83	0.00898	mg/kg dry	☼	05/31/12 10:35	05/31/12 16:28	5.00
Cadmium	**0.235**	**J**	0.483	0.0121	mg/kg dry	☼	05/31/12 10:35	05/31/12 16:28	5.00
Chromium	**17.6**		0.483	0.317	mg/kg dry	☼	05/31/12 10:35	05/31/12 16:28	5.00
Lead	**18.3**		0.483	0.0237	mg/kg dry	☼	05/31/12 10:35	05/31/12 16:28	5.00
Selenium	ND		0.483	0.180	mg/kg dry	☼	05/31/12 10:35	05/31/12 16:28	5.00
Silver	ND		0.483	0.116	mg/kg dry	☼	05/31/12 10:35	05/31/12 16:28	5.00

Method: 7471A - Total Metals by SW846 Series Methods

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0154**	**J**	0.117	0.00795	mg/kg dry	☼	05/31/12 11:15	05/31/12 15:19	1.00

Method: ASTM D2216-90 - General Chemistry Parameters

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Dry Weight	**81.5**		0.500		%		05/23/12 16:30	05/24/12 10:41	1.00

Client Sample Results

Client: TITAN Engineering, Inc.
Project/Site: 583-01

TestAmerica Job ID: AVE0225

Client Sample ID: SB-5 1

Date Collected: 05/17/12 10:15
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-09

Matrix: Soil
Percent Solids: 81.

Method: SW846 9045C - General Chemistry Parameters

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.30		0.100		pH Units		05/30/12 13:44	05/30/12 15:00	1.00

Client Sample Results

Client: TITAN Engineering, Inc.
Project/Site: 583-01

TestAmerica Job ID: AVE0225

Client Sample ID: SB-5 5
Date Collected: 05/17/12 10:20
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-10
Matrix: Solid
Percent Solids: 77.4

Method: 8260B - Volatile Organic Compounds by SW846 8260B

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.00643	0.00214	mg/kg dry	☼	05/22/12 12:45	05/23/12 10:55	1.00
1,1,1-Trichloroethane	ND		0.00643	0.00166	mg/kg dry	☼	05/22/12 12:45	05/23/12 10:55	1.00
1,1,2,2-Tetrachloroethane	ND		0.00643	0.00410	mg/kg dry	☼	05/22/12 12:45	05/23/12 10:55	1.00
1,1,2-Trichloroethane	ND		0.00643	0.00285	mg/kg dry	☼	05/22/12 12:45	05/23/12 10:55	1.00
1,1-Dichloroethane	ND		0.00643	0.000868	mg/kg dry	☼	05/22/12 12:45	05/23/12 10:55	1.00
1,1-Dichloroethene	ND		0.00643	0.00111	mg/kg dry	☼	05/22/12 12:45	05/23/12 10:55	1.00
1,2,4-Trimethylbenzene	ND		0.00643	0.00259	mg/kg dry	☼	05/22/12 12:45	05/23/12 10:55	1.00
1,2-Dibromoethane (EDB)	ND		0.00643	0.00194	mg/kg dry	☼	05/22/12 12:45	05/23/12 10:55	1.00
1,2-Dichlorobenzene	ND		0.00643	0.00314	mg/kg dry	☼	05/22/12 12:45	05/23/12 10:55	1.00
1,2-Dichloroethane	ND		0.00643	0.00111	mg/kg dry	☼	05/22/12 12:45	05/23/12 10:55	1.00
1,2-Dichloropropane	ND		0.00643	0.000876	mg/kg dry	☼	05/22/12 12:45	05/23/12 10:55	1.00
1,3-Dichlorobenzene	ND		0.00643	0.00249	mg/kg dry	☼	05/22/12 12:45	05/23/12 10:55	1.00
1,4-Dichlorobenzene	ND		0.00643	0.00243	mg/kg dry	☼	05/22/12 12:45	05/23/12 10:55	1.00
2-Butanone (MEK)	**0.00852**	**J**	0.0129	0.00591	mg/kg dry	☼	05/22/12 12:45	05/23/12 10:55	1.00
2-Hexanone	ND		0.0129	0.00441	mg/kg dry	☼	05/22/12 12:45	05/23/12 10:55	1.00
4-Isopropyltoluene	ND		0.00643	0.00217	mg/kg dry	☼	05/22/12 12:45	05/23/12 10:55	1.00
4-Methyl-2-pentanone (MIBK)	ND		0.0129	0.00329	mg/kg dry	☼	05/22/12 12:45	05/23/12 10:55	1.00
Acetone	**0.0264**	**J**	0.0643	0.00613	mg/kg dry	☼	05/22/12 12:45	05/23/12 10:55	1.00
Benzene	ND		0.00643	0.00100	mg/kg dry	☼	05/22/12 12:45	05/23/12 10:55	1.00
Bromobenzene	ND		0.00643	0.00297	mg/kg dry	☼	05/22/12 12:45	05/23/12 10:55	1.00
Bromochloromethane	ND		0.00643	0.00103	mg/kg dry	☼	05/22/12 12:45	05/23/12 10:55	1.00
Bromodichloromethane	ND		0.00643	0.000879	mg/kg dry	☼	05/22/12 12:45	05/23/12 10:55	1.00
Bromoethane	ND		0.0129	0.00144	mg/kg dry	☼	05/22/12 12:45	05/23/12 10:55	1.00
Bromoform	ND		0.00643	0.00159	mg/kg dry	☼	05/22/12 12:45	05/23/12 10:55	1.00
Bromomethane	ND		0.0129	0.00118	mg/kg dry	☼	05/22/12 12:45	05/23/12 10:55	1.00
Carbon disulfide	ND		0.00643	0.00128	mg/kg dry	☼	05/22/12 12:45	05/23/12 10:55	1.00
Carbon tetrachloride	ND		0.00643	0.00147	mg/kg dry	☼	05/22/12 12:45	05/23/12 10:55	1.00
Chlorobenzene	ND		0.00643	0.00111	mg/kg dry	☼	05/22/12 12:45	05/23/12 10:55	1.00
Chlorodibromomethane	ND		0.00643	0.00229	mg/kg dry	☼	05/22/12 12:45	05/23/12 10:55	1.00
Chloroethane	ND		0.0129	0.00197	mg/kg dry	☼	05/22/12 12:45	05/23/12 10:55	1.00
Chloroform	ND		0.00643	0.000939	mg/kg dry	☼	05/22/12 12:45	05/23/12 10:55	1.00
Chloromethane	ND		0.0129	0.00388	mg/kg dry	☼	05/22/12 12:45	05/23/12 10:55	1.00
cis-1,2-Dichloroethene	ND		0.00643	0.000817	mg/kg dry	☼	05/22/12 12:45	05/23/12 10:55	1.00
cis-1,3-Dichloropropene	ND		0.00643	0.00168	mg/kg dry	☼	05/22/12 12:45	05/23/12 10:55	1.00
Dibromomethane	ND		0.00643	0.00114	mg/kg dry	☼	05/22/12 12:45	05/23/12 10:55	1.00
Dichlorodifluoromethane	ND		0.0257	0.0129	mg/kg dry	☼	05/22/12 12:45	05/23/12 10:55	1.00
Ethylbenzene	ND		0.00643	0.00156	mg/kg dry	☼	05/22/12 12:45	05/23/12 10:55	1.00
Hexachlorobutadiene	ND		0.00643	0.00234	mg/kg dry	☼	05/22/12 12:45	05/23/12 10:55	1.00
Isopropylbenzene	ND		0.00643	0.00233	mg/kg dry	☼	05/22/12 12:45	05/23/12 10:55	1.00
Methyl tert-Butyl Ether	ND		0.00643	0.00111	mg/kg dry	☼	05/22/12 12:45	05/23/12 10:55	1.00
Methylene chloride	ND		0.00643	0.00136	mg/kg dry	☼	05/22/12 12:45	05/23/12 10:55	1.00
n-Butylbenzene	ND		0.00643	0.00213	mg/kg dry	☼	05/22/12 12:45	05/23/12 10:55	1.00
n-Propylbenzene	ND		0.00643	0.00235	mg/kg dry	☼	05/22/12 12:45	05/23/12 10:55	1.00
sec-Butylbenzene	ND		0.00643	0.00271	mg/kg dry	☼	05/22/12 12:45	05/23/12 10:55	1.00
Styrene	ND		0.00643	0.00211	mg/kg dry	☼	05/22/12 12:45	05/23/12 10:55	1.00
tert-Butylbenzene	ND		0.00643	0.00244	mg/kg dry	☼	05/22/12 12:45	05/23/12 10:55	1.00
Tetrachloroethene	ND		0.00643	0.00203	mg/kg dry	☼	05/22/12 12:45	05/23/12 10:55	1.00
Toluene	ND		0.00643	0.00128	mg/kg dry	☼	05/22/12 12:45	05/23/12 10:55	1.00
trans-1,2-Dichloroethene	ND		0.00643	0.00109	mg/kg dry	☼	05/22/12 12:45	05/23/12 10:55	1.00
trans-1,3-Dichloropropene	ND		0.00643	0.00212	mg/kg dry	☼	05/22/12 12:45	05/23/12 10:55	1.00
Trichloroethene	ND		0.00643	0.00122	mg/kg dry	☼	05/22/12 12:45	05/23/12 10:55	1.00

Client Sample ID: SB-5 5

Date Collected: 05/17/12 10:20
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-10

Matrix: Sol
Percent Solids: 77

Method: 8260B - Volatile Organic Compounds by SW846 8260B (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		0.0129	0.00133	mg/kg dry	☼	05/22/12 12:45	05/23/12 10:55	1.00
Vinyl chloride	ND		0.00643	0.00189	mg/kg dry	☼	05/22/12 12:45	05/23/12 10:55	1.00
Xylenes, total	ND		0.0193	0.00386	mg/kg dry	☼	05/22/12 12:45	05/23/12 10:55	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*113*		*67 - 127*	*05/22/12 12:45*	*05/23/12 10:55*	*1.00*
4-Bromofluorobenzene	*102*		*59 - 119*	*05/22/12 12:45*	*05/23/12 10:55*	*1.00*
Dibromofluoromethane	*100*		*69 - 129*	*05/22/12 12:45*	*05/23/12 10:55*	*1.00*
Toluene-d8	*98*		*76 - 136*	*05/22/12 12:45*	*05/23/12 10:55*	*1.00*

Method: 8270C - Acid and Base/Neutral Extractables by SW846 TRRP

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.426	0.0579	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:26	1.00
1,2-Diphenylhydrazine	ND		0.426	0.0544	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:26	1.00
2,4,5-Trichlorophenol	ND		0.426	0.0442	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:26	1.00
2,4,6-Trichlorophenol	ND		0.426	0.0567	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:26	1.00
2,4-Dichlorophenol	ND		0.426	0.0560	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:26	1.00
2,4-Dimethylphenol	ND		0.426	0.101	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:26	1.00
2,4-Dinitrophenol	ND		2.16	0.861	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:26	1.00
2,4-Dinitrotoluene	ND		0.426	0.203	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:26	1.00
2,6-Dinitrotoluene	ND		0.426	0.0529	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:26	1.00
2-Chloronaphthalene	ND		0.426	0.0404	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:26	1.00
2-Chlorophenol	ND		0.426	0.0376	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:26	1
2-Methylnaphthalene	ND		0.426	0.0414	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:26	1.00
2-Methylphenol	ND		0.426	0.0514	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:26	1.00
2-Nitroaniline	ND		0.426	0.0548	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:26	1.00
2-Nitrophenol	ND		0.426	0.0813	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:26	1.00
3 & 4 Methylphenol	ND		0.426	0.0836	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:26	1.00
3,3'-Dichlorobenzidine	ND	JL	2.16	0.0690	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:26	1.00
3-Nitroaniline	ND	JL	0.426	0.0411	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:26	1.00
4,6-Dinitro-2-methylphenol	ND		2.16	0.258	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:26	1.00
4-Bromophenyl phenyl ether	ND		0.426	0.0390	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:26	1.00
4-Chloro-3-methylphenol	ND		0.426	0.0680	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:26	1.00
4-Chloroaniline	ND	JL	0.426	0.0484	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:26	1.00
4-Chlorophenyl phenyl ether	ND		0.426	0.0330	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:26	1.00
4-Nitroaniline	ND		0.426	0.129	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:26	1.00
4-Nitrophenol	ND		2.16	0.195	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:26	1.00
Acenaphthene	ND		0.426	0.0448	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:26	1.00
Acenaphthylene	ND		0.426	0.0423	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:26	1.00
Anthracene	ND		0.426	0.0318	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:26	1.00
Benzo[a]anthracene	ND		0.426	0.0257	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:26	1.00
Benzo[a]pyrene	ND		0.426	0.0294	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:26	1.00
Benzo[b]fluoranthene	ND		0.426	0.0673	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:26	1.00
Benzo[g,h,i]perylene	ND		0.426	0.0346	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:26	1.00
Benzo[k]fluoranthene	ND		0.426	0.0513	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:26	1.00
Bis(2-chloroethoxy)methane	ND		0.426	0.0419	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:26	1.00
Bis(2-chloroethyl)ether	ND		0.426	0.0442	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:26	1.00
Bis(2-chloroisopropyl) ether	ND		0.426	0.0351	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:26	1.00
Bis(2-ethylhexyl) phthalate	**0.102**	**J**	0.426	0.0540	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:26	1
Butyl benzyl phthalate	ND		0.426	0.0337	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:26	1.00
Chrysene	ND		0.426	0.0292	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:26	1.00

Client Sample Results

Client: TITAN Engineering, Inc.
Project/Site: 583-01

TestAmerica Job ID: AVE0225

Client Sample ID: SB-5 5

te Collected: 05/17/12 10:20
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-10

Matrix: Solid
Percent Solids: 77.4

Method: 8270C - Acid and Base/Neutral Extractables by SW846 TRRP (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz[a,h]anthracene	ND		0.426	0.108	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:26	1.00
Dibenzofuran	ND		0.426	0.0463	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:26	1.00
Diethyl phthalate	ND		0.426	0.0277	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:26	1.00
Dimethyl phthalate	ND		0.426	0.0307	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:26	1.00
Di-n-butyl phthalate	ND		0.426	0.0317	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:26	1.00
Di-n-octyl phthalate	ND		0.426	0.156	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:26	1.00
Diphenylamine	ND		0.426	0.0293	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:26	1.00
Fluoranthene	ND		0.426	0.0315	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:26	1.00
Fluorene	ND		0.426	0.0298	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:26	1.00
Hexachlorobenzene	ND		0.426	0.0362	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:26	1.00
Hexachlorobutadiene	ND		0.426	0.0523	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:26	1.00
Hexachlorocyclopentadiene	ND		2.16	0.218	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:26	1.00
Hexachloroethane	ND		0.426	0.0555	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:26	1.00
Isophorone	ND		0.426	0.0551	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:26	1.00
Naphthalene	ND		0.426	0.0410	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:26	1.00
Nitrobenzene	ND		0.426	0.0633	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:26	1.00
N-Nitrosodi-n-propylamine	ND		0.426	0.0314	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:26	1.00
N-Nitrosodiphenylamine	ND		0.426	0.0293	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:26	1.00
Pentachloroethane	ND		0.426	0.0392	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:26	1.00
Pentachlorophenol	ND		2.16	0.0650	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:26	1.00
Phenanthrene	ND		0.426	0.0285	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:26	1.00
'henol	ND		0.426	0.0423	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:26	1.00
Pyrene	ND		0.426	0.0301	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:26	1.00
Pyridine	ND		0.426	0.0498	mg/kg dry	☼	05/31/12 17:00	06/02/12 16:26	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*73*		*42 - 136*	*05/31/12 17:00*	*06/02/12 16:26*	*1.00*
2-Fluorobiphenyl	*72*		*42 - 129*	*05/31/12 17:00*	*06/02/12 16:26*	*1.00*
2-Fluorophenol	*74*		*36 - 114*	*05/31/12 17:00*	*06/02/12 16:26*	*1.00*
Nitrobenzene-d5	*72*		*40 - 122*	*05/31/12 17:00*	*06/02/12 16:26*	*1.00*
Phenol-d5	*76*		*38 - 125*	*05/31/12 17:00*	*06/02/12 16:26*	*1.00*
Terphenyl-d14	*76*		*44 - 127*	*05/31/12 17:00*	*06/02/12 16:26*	*1.00*

Method: 6020 - Total Metals by SW846 Series Methods

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**2.18**		0.615	0.141	mg/kg dry	☼	05/31/12 10:35	05/31/12 16:43	5.00
Barium	**149**	**B**	6.15	0.0114	mg/kg dry	☼	05/31/12 10:35	05/31/12 16:43	5.00
Cadmium	**0.148**	**J**	0.615	0.0154	mg/kg dry	☼	05/31/12 10:35	05/31/12 16:43	5.00
Chromium	**18.4**		0.615	0.404	mg/kg dry	☼	05/31/12 10:35	05/31/12 16:43	5.00
Lead	**16.3**		0.615	0.0301	mg/kg dry	☼	05/31/12 10:35	05/31/12 16:43	5.00
Selenium	**0.243**	**J**	0.615	0.229	mg/kg dry	☼	05/31/12 10:35	05/31/12 16:43	5.00
Silver	ND		0.615	0.148	mg/kg dry	☼	05/31/12 10:35	05/31/12 16:43	5.00

Method: 7471A - Total Metals by SW846 Series Methods

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.108	0.00732	mg/kg dry	☼	05/31/12 11:15	05/31/12 15:20	1.00

Method: ASTM D2216-90 - General Chemistry Parameters

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Dry Weight	**77.4**		0.500		%		05/23/12 16:30	05/24/12 10:43	1.00

Client Sample Results

Client: TITAN Engineering, Inc.
Project/Site: 583-01

TestAmerica Job ID: AVE0225

Client Sample ID: SB-5 5

Date Collected: 05/17/12 10:20
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-10

Matrix: Soli
Percent Solids: 77.

Method: SW846 9045C - General Chemistry Parameters

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.25		0.100		pH Units		05/30/12 13:44	05/30/12 15:00	1.00

Client Sample Results

Client: TITAN Engineering, Inc.
Project/Site: 583-01

TestAmerica Job ID: AVE0225

Client Sample ID: SB-5 9

Date Collected: 05/17/12 10:30
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-11

Matrix: Solid
Percent Solids: 81.4

Method: 8260B - Volatile Organic Compounds by SW846 8260B

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.00611	0.00203	mg/kg dry	☼	05/23/12 13:08	05/23/12 16:50	1.00
1,1,1-Trichloroethane	ND		0.00611	0.00158	mg/kg dry	☼	05/23/12 13:08	05/23/12 16:50	1.00
1,1,2,2-Tetrachloroethane	ND		0.00611	0.00389	mg/kg dry	☼	05/23/12 13:08	05/23/12 16:50	1.00
1,1,2-Trichloroethane	ND		0.00611	0.00271	mg/kg dry	☼	05/23/12 13:08	05/23/12 16:50	1.00
1,1-Dichloroethane	ND		0.00611	0.000825	mg/kg dry	☼	05/23/12 13:08	05/23/12 16:50	1.00
1,1-Dichloroethene	ND		0.00611	0.00105	mg/kg dry	☼	05/23/12 13:08	05/23/12 16:50	1.00
1,2,4-Trimethylbenzene	ND		0.00611	0.00246	mg/kg dry	☼	05/23/12 13:08	05/23/12 16:50	1.00
1,2-Dibromoethane (EDB)	ND		0.00611	0.00184	mg/kg dry	☼	05/23/12 13:08	05/23/12 16:50	1.00
1,2-Dichlorobenzene	ND		0.00611	0.00298	mg/kg dry	☼	05/23/12 13:08	05/23/12 16:50	1.00
1,2-Dichloroethane	ND		0.00611	0.00105	mg/kg dry	☼	05/23/12 13:08	05/23/12 16:50	1.00
1,2-Dichloropropane	ND		0.00611	0.000832	mg/kg dry	☼	05/23/12 13:08	05/23/12 16:50	1.00
1,3-Dichlorobenzene	ND		0.00611	0.00237	mg/kg dry	☼	05/23/12 13:08	05/23/12 16:50	1.00
1,4-Dichlorobenzene	ND		0.00611	0.00231	mg/kg dry	☼	05/23/12 13:08	05/23/12 16:50	1.00
2-Butanone (MEK)	ND		0.0122	0.00562	mg/kg dry	☼	05/23/12 13:08	05/23/12 16:50	1.00
2-Hexanone	ND		0.0122	0.00419	mg/kg dry	☼	05/23/12 13:08	05/23/12 16:50	1.00
4-Isopropyltoluene	ND		0.00611	0.00206	mg/kg dry	☼	05/23/12 13:08	05/23/12 16:50	1.00
4-Methyl-2-pentanone (MIBK)	ND		0.0122	0.00312	mg/kg dry	☼	05/23/12 13:08	05/23/12 16:50	1.00
Acetone	**0.00952**	**J**	0.0611	0.00582	mg/kg dry	☼	05/23/12 13:08	05/23/12 16:50	1.00
Benzene	ND		0.00611	0.000953	mg/kg dry	☼	05/23/12 13:08	05/23/12 16:50	1.00
Bromobenzene	ND		0.00611	0.00282	mg/kg dry	☼	05/23/12 13:08	05/23/12 16:50	1.00
Bromochloromethane	ND		0.00611	0.000974	mg/kg dry	☼	05/23/12 13:08	05/23/12 16:50	1.00
romodichloromethane	ND		0.00611	0.000834	mg/kg dry	☼	05/23/12 13:08	05/23/12 16:50	1.00
Bromoethane	ND		0.0122	0.00137	mg/kg dry	☼	05/23/12 13:08	05/23/12 16:50	1.00
Bromoform	ND		0.00611	0.00151	mg/kg dry	☼	05/23/12 13:08	05/23/12 16:50	1.00
Bromomethane	ND		0.0122	0.00113	mg/kg dry	☼	05/23/12 13:08	05/23/12 16:50	1.00
Carbon disulfide	ND		0.00611	0.00122	mg/kg dry	☼	05/23/12 13:08	05/23/12 16:50	1.00
Carbon tetrachloride	ND		0.00611	0.00139	mg/kg dry	☼	05/23/12 13:08	05/23/12 16:50	1.00
Chlorobenzene	ND		0.00611	0.00105	mg/kg dry	☼	05/23/12 13:08	05/23/12 16:50	1.00
Chlorodibromomethane	ND		0.00611	0.00217	mg/kg dry	☼	05/23/12 13:08	05/23/12 16:50	1.00
Chloroethane	ND		0.0122	0.00187	mg/kg dry	☼	05/23/12 13:08	05/23/12 16:50	1.00
Chloroform	ND		0.00611	0.000892	mg/kg dry	☼	05/23/12 13:08	05/23/12 16:50	1.00
Chloromethane	ND		0.0122	0.00369	mg/kg dry	☼	05/23/12 13:08	05/23/12 16:50	1.00
cis-1,2-Dichloroethene	ND		0.00611	0.000776	mg/kg dry	☼	05/23/12 13:08	05/23/12 16:50	1.00
cis-1,3-Dichloropropene	ND		0.00611	0.00160	mg/kg dry	☼	05/23/12 13:08	05/23/12 16:50	1.00
Dibromomethane	ND		0.00611	0.00108	mg/kg dry	☼	05/23/12 13:08	05/23/12 16:50	1.00
Dichlorodifluoromethane	ND		0.0244	0.0122	mg/kg dry	☼	05/23/12 13:08	05/23/12 16:50	1.00
Ethylbenzene	ND		0.00611	0.00148	mg/kg dry	☼	05/23/12 13:08	05/23/12 16:50	1.00
Hexachlorobutadiene	ND		0.00611	0.00222	mg/kg dry	☼	05/23/12 13:08	05/23/12 16:50	1.00
Isopropylbenzene	ND		0.00611	0.00222	mg/kg dry	☼	05/23/12 13:08	05/23/12 16:50	1.00
Methyl tert-Butyl Ether	ND		0.00611	0.00106	mg/kg dry	☼	05/23/12 13:08	05/23/12 16:50	1.00
Methylene chloride	ND		0.00611	0.00129	mg/kg dry	☼	05/23/12 13:08	05/23/12 16:50	1.00
n-Butylbenzene	ND		0.00611	0.00202	mg/kg dry	☼	05/23/12 13:08	05/23/12 16:50	1.00
n-Propylbenzene	ND		0.00611	0.00223	mg/kg dry	☼	05/23/12 13:08	05/23/12 16:50	1.00
sec-Butylbenzene	ND		0.00611	0.00257	mg/kg dry	☼	05/23/12 13:08	05/23/12 16:50	1.00
Styrene	ND		0.00611	0.00201	mg/kg dry	☼	05/23/12 13:08	05/23/12 16:50	1.00
tert-Butylbenzene	ND		0.00611	0.00232	mg/kg dry	☼	05/23/12 13:08	05/23/12 16:50	1.00
Tetrachloroethene	ND		0.00611	0.00193	mg/kg dry	☼	05/23/12 13:08	05/23/12 16:50	1.00
oluene	ND		0.00611	0.00121	mg/kg dry	☼	05/23/12 13:08	05/23/12 16:50	1.00
trans-1,2-Dichloroethene	ND		0.00611	0.00104	mg/kg dry	☼	05/23/12 13:08	05/23/12 16:50	1.00
trans-1,3-Dichloropropene	ND		0.00611	0.00202	mg/kg dry	☼	05/23/12 13:08	05/23/12 16:50	1.00
Trichloroethene	ND		0.00611	0.00116	mg/kg dry	☼	05/23/12 13:08	05/23/12 16:50	1.00

Client Sample ID: SB-5 9

Date Collected: 05/17/12 10:30
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-11

Matrix: Soli
Percent Solids: 81.

Method: 8260B - Volatile Organic Compounds by SW846 8260B (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		0.0122	0.00127	mg/kg dry	☼	05/23/12 13:08	05/23/12 16:50	1.00
Vinyl chloride	ND		0.00611	0.00180	mg/kg dry	☼	05/23/12 13:08	05/23/12 16:50	1.00
Xylenes, total	ND		0.0183	0.00366	mg/kg dry	☼	05/23/12 13:08	05/23/12 16:50	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*103*		*67 - 127*	*05/23/12 13:08*	*05/23/12 16:50*	*1.00*
4-Bromofluorobenzene	*106*		*59 - 119*	*05/23/12 13:08*	*05/23/12 16:50*	*1.00*
Dibromofluoromethane	*96*		*69 - 129*	*05/23/12 13:08*	*05/23/12 16:50*	*1.00*
Toluene-d8	*99*		*76 - 136*	*05/23/12 13:08*	*05/23/12 16:50*	*1.00*

Method: ASTM D2216-90 - General Chemistry Parameters

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Dry Weight	**81.4**		0.500		%		05/23/12 16:30	05/24/12 10:47	1.00

Client Sample Results

Client: TITAN Engineering, Inc.
Project/Site: 583-01

TestAmerica Job ID: AVE0225

Client Sample ID: EB-20120517

Date Collected: 05/17/12 10:50
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-12

Matrix: Water

Method: 8260B - Volatile Organic Compounds by SW846 8260B

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.00100	0.000332	mg/L		05/22/12 10:43	05/22/12 17:30	1.00
1,1,1-Trichloroethane	ND		0.00100	0.000360	mg/L		05/22/12 10:43	05/22/12 17:30	1.00
1,1,2,2-Tetrachloroethane	ND		0.00100	0.000310	mg/L		05/22/12 10:43	05/22/12 17:30	1.00
1,1,2-Trichloroethane	ND		0.00100	0.000352	mg/L		05/22/12 10:43	05/22/12 17:30	1.00
1,1-Dichloroethane	ND		0.00100	0.000374	mg/L		05/22/12 10:43	05/22/12 17:30	1.00
1,1-Dichloroethene	ND		0.00100	0.000427	mg/L		05/22/12 10:43	05/22/12 17:30	1.00
1,2,4-Trimethylbenzene	ND		0.00100	0.000598	mg/L		05/22/12 10:43	05/22/12 17:30	1.00
1,2-Dibromoethane (EDB)	ND		0.00100	0.000500	mg/L		05/22/12 10:43	05/22/12 17:30	1.00
1,2-Dichlorobenzene	ND		0.00100	0.000434	mg/L		05/22/12 10:43	05/22/12 17:30	1.00
1,2-Dichloroethane	ND		0.00100	0.000392	mg/L		05/22/12 10:43	05/22/12 17:30	1.00
1,2-Dichloropropane	ND		0.00100	0.000373	mg/L		05/22/12 10:43	05/22/12 17:30	1.00
1,3-Dichlorobenzene	ND		0.00100	0.000386	mg/L		05/22/12 10:43	05/22/12 17:30	1.00
1,4-Dichlorobenzene	ND		0.00100	0.000293	mg/L		05/22/12 10:43	05/22/12 17:30	1.00
2-Butanone (MEK)	ND		0.00500	0.00110	mg/L		05/22/12 10:43	05/22/12 17:30	1.00
2-Hexanone	ND		0.0100	0.00500	mg/L		05/22/12 10:43	05/22/12 17:30	1.00
4-Isopropyltoluene	ND		0.00100	0.000633	mg/L		05/22/12 10:43	05/22/12 17:30	1.00
4-Methyl-2-pentanone (MIBK)	ND		0.00500	0.00108	mg/L		05/22/12 10:43	05/22/12 17:30	1.00
Acetone	**0.00713**		0.00500	0.00154	mg/L		05/22/12 10:43	05/22/12 17:30	1.00
Benzene	ND		0.00100	0.000339	mg/L		05/22/12 10:43	05/22/12 17:30	1.00
Bromobenzene	ND		0.00100	0.000394	mg/L		05/22/12 10:43	05/22/12 17:30	1.00
Bromochloromethane	ND		0.00100	0.000368	mg/L		05/22/12 10:43	05/22/12 17:30	1.00
Bromodichloromethane	ND		0.00100	0.000369	mg/L		05/22/12 10:43	05/22/12 17:30	1.00
Bromoethane	ND		0.0100	0.000381	mg/L		05/22/12 10:43	05/22/12 17:30	1.00
Bromoform	ND		0.00200	0.000684	mg/L		05/22/12 10:43	05/22/12 17:30	1.00
Bromomethane	ND		0.00200	0.00116	mg/L		05/22/12 10:43	05/22/12 17:30	1.00
Carbon disulfide	ND		0.00100	0.000383	mg/L		05/22/12 10:43	05/22/12 17:30	1.00
Carbon tetrachloride	ND		0.00100	0.000335	mg/L		05/22/12 10:43	05/22/12 17:30	1.00
Chlorobenzene	ND		0.00100	0.000333	mg/L		05/22/12 10:43	05/22/12 17:30	1.00
Chlorodibromomethane	ND		0.00100	0.000278	mg/L		05/22/12 10:43	05/22/12 17:30	1.00
Chloroethane	ND		0.00200	0.00134	mg/L		05/22/12 10:43	05/22/12 17:30	1.00
Chloroform	ND		0.00100	0.000349	mg/L		05/22/12 10:43	05/22/12 17:30	1.00
Chloromethane	ND		0.00200	0.000546	mg/L		05/22/12 10:43	05/22/12 17:30	1.00
cis-1,2-Dichloroethene	ND		0.00100	0.000367	mg/L		05/22/12 10:43	05/22/12 17:30	1.00
cis-1,3-Dichloropropene	ND		0.00100	0.000500	mg/L		05/22/12 10:43	05/22/12 17:30	1.00
Dibromomethane	ND		0.00100	0.000407	mg/L		05/22/12 10:43	05/22/12 17:30	1.00
Dichlorodifluoromethane	ND		0.00200	0.000581	mg/L		05/22/12 10:43	05/22/12 17:30	1.00
Ethylbenzene	ND		0.00100	0.000416	mg/L		05/22/12 10:43	05/22/12 17:30	1.00
Hexachlorobutadiene	ND		0.00100	0.000567	mg/L		05/22/12 10:43	05/22/12 17:30	1.00
Isopropylbenzene	ND		0.00100	0.000332	mg/L		05/22/12 10:43	05/22/12 17:30	1.00
Methyl tert-Butyl Ether	ND		0.00100	0.000336	mg/L		05/22/12 10:43	05/22/12 17:30	1.00
Methylene chloride	ND		0.00200	0.000422	mg/L		05/22/12 10:43	05/22/12 17:30	1.00
n-Butylbenzene	ND		0.00100	0.000878	mg/L		05/22/12 10:43	05/22/12 17:30	1.00
n-Propylbenzene	ND		0.00100	0.000441	mg/L		05/22/12 10:43	05/22/12 17:30	1.00
sec-Butylbenzene	ND		0.00100	0.000609	mg/L		05/22/12 10:43	05/22/12 17:30	1.00
Styrene	ND		0.00100	0.000269	mg/L		05/22/12 10:43	05/22/12 17:30	1.00
tert-Butylbenzene	ND		0.00100	0.000310	mg/L		05/22/12 10:43	05/22/12 17:30	1.00
Tetrachloroethene	ND		0.00100	0.000640	mg/L		05/22/12 10:43	05/22/12 17:30	1.00
Toluene	ND		0.00100	0.000288	mg/L		05/22/12 10:43	05/22/12 17:30	1.00
trans-1,2-Dichloroethene	ND		0.00100	0.000372	mg/L		05/22/12 10:43	05/22/12 17:30	1.00
trans-1,3-Dichloropropene	ND		0.00100	0.000220	mg/L		05/22/12 10:43	05/22/12 17:30	1.00
Trichloroethene	ND		0.00100	0.000449	mg/L		05/22/12 10:43	05/22/12 17:30	1.00

Client Sample ID: EB-20120517

Date Collected: 05/17/12 10:50
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-12

Matrix: Wat

Method: 8260B - Volatile Organic Compounds by SW846 8260B (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		0.00200	0.000573	mg/L		05/22/12 10:43	05/22/12 17:30	1.00
Vinyl chloride	ND		0.00200	0.000537	mg/L		05/22/12 10:43	05/22/12 17:30	1.00
Xylenes, total	ND		0.00300	0.00120	mg/L		05/22/12 10:43	05/22/12 17:30	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*111*		*69 - 133*	*05/22/12 10:43*	*05/22/12 17:30*	*1.00*
4-Bromofluorobenzene	*103*		*66 - 124*	*05/22/12 10:43*	*05/22/12 17:30*	*1.00*
Dibromofluoromethane	*113*		*81 - 127*	*05/22/12 10:43*	*05/22/12 17:30*	*1.00*
Toluene-d8	*103*		*87 - 121*	*05/22/12 10:43*	*05/22/12 17:30*	*1.00*

Client Sample Results

Client: TITAN Engineering, Inc.
Project/Site: 583-01

TestAmerica Job ID: AVE0225

Client Sample ID: SB-6 1
Date Collected: 05/17/12 11:15
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-13
Matrix: Solid
Percent Solids: 81.1

Method: 8260B - Volatile Organic Compounds by SW846 8260B

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.00616	0.00204	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:14	1.00
1,1,1-Trichloroethane	ND		0.00616	0.00159	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:14	1.00
1,1,2,2-Tetrachloroethane	ND		0.00616	0.00392	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:14	1.00
1,1,2-Trichloroethane	ND		0.00616	0.00273	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:14	1.00
1,1-Dichloroethane	ND		0.00616	0.000831	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:14	1.00
1,1-Dichloroethene	ND		0.00616	0.00106	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:14	1.00
1,2,4-Trimethylbenzene	ND		0.00616	0.00248	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:14	1.00
1,2-Dibromoethane (EDB)	ND		0.00616	0.00186	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:14	1.00
1,2-Dichlorobenzene	ND		0.00616	0.00301	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:14	1.00
1,2-Dichloroethane	ND		0.00616	0.00106	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:14	1.00
1,2-Dichloropropane	ND		0.00616	0.000838	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:14	1.00
1,3-Dichlorobenzene	ND		0.00616	0.00239	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:14	1.00
1,4-Dichlorobenzene	ND		0.00616	0.00232	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:14	1.00
2-Butanone (MEK)	ND		0.0123	0.00566	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:14	1.00
2-Hexanone	ND		0.0123	0.00422	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:14	1.00
4-Isopropyltoluene	ND		0.00616	0.00208	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:14	1.00
4-Methyl-2-pentanone (MIBK)	ND		0.0123	0.00315	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:14	1.00
Acetone	ND		0.0616	0.00586	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:14	1.00
Benzene	ND		0.00616	0.000960	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:14	1.00
Bromobenzene	ND		0.00616	0.00284	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:14	1.00
Bromochloromethane	ND		0.00616	0.000981	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:14	1.00
omodichloromethane	ND		0.00616	0.000841	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:14	1.00
Bromoethane	ND		0.0123	0.00138	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:14	1.00
Bromoform	ND		0.00616	0.00152	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:14	1.00
Bromomethane	ND		0.0123	0.00113	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:14	1.00
Carbon disulfide	ND		0.00616	0.00123	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:14	1.00
Carbon tetrachloride	ND		0.00616	0.00140	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:14	1.00
Chlorobenzene	ND		0.00616	0.00106	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:14	1.00
Chlorodibromomethane	ND		0.00616	0.00219	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:14	1.00
Chloroethane	ND		0.0123	0.00189	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:14	1.00
Chloroform	ND		0.00616	0.000899	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:14	1.00
Chloromethane	ND		0.0123	0.00372	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:14	1.00
cis-1,2-Dichloroethene	ND		0.00616	0.000782	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:14	1.00
cis-1,3-Dichloropropene	ND		0.00616	0.00161	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:14	1.00
Dibromomethane	ND		0.00616	0.00109	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:14	1.00
Dichlorodifluoromethane	ND		0.0246	0.0123	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:14	1.00
Ethylbenzene	ND		0.00616	0.00149	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:14	1.00
Hexachlorobutadiene	ND		0.00616	0.00224	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:14	1.00
Isopropylbenzene	ND		0.00616	0.00223	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:14	1.00
Methyl tert-Butyl Ether	ND		0.00616	0.00106	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:14	1.00
Methylene chloride	ND		0.00616	0.00130	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:14	1.00
n-Butylbenzene	ND		0.00616	0.00204	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:14	1.00
n-Propylbenzene	ND		0.00616	0.00225	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:14	1.00
sec-Butylbenzene	ND		0.00616	0.00259	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:14	1.00
Styrene	ND		0.00616	0.00202	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:14	1.00
tert-Butylbenzene	ND		0.00616	0.00234	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:14	1.00
Tetrachloroethene	ND		0.00616	0.00194	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:14	1.00
luene	ND		0.00616	0.00122	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:14	1.00
trans-1,2-Dichloroethene	ND		0.00616	0.00105	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:14	1.00
trans-1,3-Dichloropropene	ND		0.00616	0.00203	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:14	1.00
Trichloroethene	ND		0.00616	0.00116	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:14	1.00

Client Sample ID: SB-6 1

Date Collected: 05/17/12 11:15
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-13

Matrix: Sol
Percent Solids: 81

Method: 8260B - Volatile Organic Compounds by SW846 8260B (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		0.0123	0.00128	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:14	1.00
Vinyl chloride	ND		0.00616	0.00181	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:14	1.00
Xylenes, total	ND		0.0185	0.00369	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:14	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*106*		*67 - 127*	*05/23/12 13:08*	*05/23/12 17:14*	*1.00*
4-Bromofluorobenzene	*104*		*59 - 119*	*05/23/12 13:08*	*05/23/12 17:14*	*1.00*
Dibromofluoromethane	*97*		*69 - 129*	*05/23/12 13:08*	*05/23/12 17:14*	*1.00*
Toluene-d8	*99*		*76 - 136*	*05/23/12 13:08*	*05/23/12 17:14*	*1.00*

Method: 8270C - Acid and Base/Neutral Extractables by SW846 TRRP

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.407	0.0554	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:10	1.00
1,2-Diphenylhydrazine	ND		0.407	0.0520	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:10	1.00
2,4,5-Trichlorophenol	ND		0.407	0.0423	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:10	1.00
2,4,6-Trichlorophenol	ND		0.407	0.0541	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:10	1.00
2,4-Dichlorophenol	ND		0.407	0.0535	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:10	1.00
2,4-Dimethylphenol	ND		0.407	0.0969	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:10	1.00
2,4-Dinitrophenol	ND		2.06	0.822	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:10	1.00
2,4-Dinitrotoluene	ND		0.407	0.194	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:10	1.00
2,6-Dinitrotoluene	ND		0.407	0.0505	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:10	1.00
2-Chloronaphthalene	ND		0.407	0.0386	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:10	1.00
2-Chlorophenol	ND		0.407	0.0359	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:10	1
2-Methylnaphthalene	ND		0.407	0.0396	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:10	1.00
2-Methylphenol	ND		0.407	0.0491	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:10	1.00
2-Nitroaniline	ND		0.407	0.0524	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:10	1.00
2-Nitrophenol	ND		0.407	0.0777	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:10	1.00
3 & 4 Methylphenol	ND		0.407	0.0799	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:10	1.00
3,3'-Dichlorobenzidine	ND	JL	2.06	0.0660	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:10	1.00
3-Nitroaniline	ND	JL	0.407	0.0393	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:10	1.00
4,6-Dinitro-2-methylphenol	ND		2.06	0.247	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:10	1.00
4-Bromophenyl phenyl ether	ND		0.407	0.0372	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:10	1.00
4-Chloro-3-methylphenol	ND		0.407	0.0650	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:10	1.00
4-Chloroaniline	ND	JL	0.407	0.0462	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:10	1.00
4-Chlorophenyl phenyl ether	ND		0.407	0.0315	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:10	1.00
4-Nitroaniline	ND		0.407	0.123	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:10	1.00
4-Nitrophenol	ND		2.06	0.186	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:10	1.00
Acenaphthene	ND		0.407	0.0428	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:10	1.00
Acenaphthylene	ND		0.407	0.0404	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:10	1.00
Anthracene	ND		0.407	0.0304	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:10	1.00
Benzo[a]anthracene	ND		0.407	0.0245	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:10	1.00
Benzo[a]pyrene	ND		0.407	0.0281	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:10	1.00
Benzo[b]fluoranthene	ND		0.407	0.0643	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:10	1.00
Benzo[g,h,i]perylene	ND		0.407	0.0331	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:10	1.00
Benzo[k]fluoranthene	ND		0.407	0.0490	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:10	1.00
Bis(2-chloroethoxy)methane	ND		0.407	0.0401	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:10	1.00
Bis(2-chloroethyl)ether	ND		0.407	0.0423	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:10	1.00
Bis(2-chloroisopropyl) ether	ND		0.407	0.0336	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:10	1.00
Bis(2-ethylhexyl) phthalate	ND		0.407	0.0516	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:10	1
Butyl benzyl phthalate	ND		0.407	0.0322	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:10	1.00
Chrysene	ND		0.407	0.0279	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:10	1.00

Client Sample ID: SB-6 1

te Collected: 05/17/12 11:15
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-13

Matrix: Solid
Percent Solids: 81.1

Method: 8270C - Acid and Base/Neutral Extractables by SW846 TRRP (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz[a,h]anthracene	ND		0.407	0.104	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:10	1.00
Dibenzofuran	ND		0.407	0.0442	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:10	1.00
Diethyl phthalate	ND		0.407	0.0265	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:10	1.00
Dimethyl phthalate	ND		0.407	0.0294	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:10	1.00
Di-n-butyl phthalate	ND		0.407	0.0303	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:10	1.00
Di-n-octyl phthalate	ND		0.407	0.149	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:10	1.00
Diphenylamine	ND		0.407	0.0280	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:10	1.00
Fluoranthene	ND		0.407	0.0301	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:10	1.00
Fluorene	ND		0.407	0.0285	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:10	1.00
Hexachlorobenzene	ND		0.407	0.0346	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:10	1.00
Hexachlorobutadiene	ND		0.407	0.0500	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:10	1.00
Hexachlorocyclopentadiene	ND		2.06	0.208	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:10	1.00
Hexachloroethane	ND		0.407	0.0530	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:10	1.00
Isophorone	ND		0.407	0.0527	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:10	1.00
Naphthalene	ND		0.407	0.0392	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:10	1.00
Nitrobenzene	ND		0.407	0.0605	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:10	1.00
N-Nitrosodi-n-propylamine	ND		0.407	0.0300	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:10	1.00
N-Nitrosodiphenylamine	ND		0.407	0.0280	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:10	1.00
Pentachloroethane	ND		0.407	0.0374	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:10	1.00
Pentachlorophenol	ND		2.06	0.0621	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:10	1.00
Phenanthrene	ND		0.407	0.0273	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:10	1.00
Phenol	ND		0.407	0.0404	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:10	1.00
Pyrene	ND		0.407	0.0287	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:10	1.00
Pyridine	ND		0.407	0.0475	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:10	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*75*		*42 - 136*	*05/31/12 17:00*	*06/02/12 17:10*	*1.00*
2-Fluorobiphenyl	*73*		*42 - 129*	*05/31/12 17:00*	*06/02/12 17:10*	*1.00*
2-Fluorophenol	*74*		*36 - 114*	*05/31/12 17:00*	*06/02/12 17:10*	*1.00*
Nitrobenzene-d5	*72*		*40 - 122*	*05/31/12 17:00*	*06/02/12 17:10*	*1.00*
Phenol-d5	*76*		*38 - 125*	*05/31/12 17:00*	*06/02/12 17:10*	*1.00*
Terphenyl-d14	*75*		*44 - 127*	*05/31/12 17:00*	*06/02/12 17:10*	*1.00*

Method: 6020 - Total Metals by SW846 Series Methods

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**4.88**		0.611	0.140	mg/kg dry	☼	05/31/12 10:35	05/31/12 16:53	5.00
Barium	**164**	**B**	6.11	0.0114	mg/kg dry	☼	05/31/12 10:35	05/31/12 16:53	5.00
Cadmium	**0.274**	**J**	0.611	0.0153	mg/kg dry	☼	05/31/12 10:35	05/31/12 16:53	5.00
Chromium	**17.7**		0.611	0.401	mg/kg dry	☼	05/31/12 10:35	05/31/12 16:53	5.00
Lead	**24.8**		0.611	0.0299	mg/kg dry	☼	05/31/12 10:35	05/31/12 16:53	5.00
Selenium	ND		0.611	0.227	mg/kg dry	☼	05/31/12 10:35	05/31/12 16:53	5.00
Silver	ND		0.611	0.147	mg/kg dry	☼	05/31/12 10:35	05/31/12 16:53	5.00

Method: 7471A - Total Metals by SW846 Series Methods

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0124**	**J**	0.116	0.00786	mg/kg dry	☼	05/31/12 11:15	05/31/12 15:22	1.00

Method: ASTM D2216-90 - General Chemistry Parameters

nalyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Dry Weight	**81.1**		0.500		%		05/23/12 16:30	05/24/12 10:49	1.00

Client Sample Results

Client: TITAN Engineering, Inc.
Project/Site: 583-01

TestAmerica Job ID: AVE0225

Client Sample ID: SB-6 1

Date Collected: 05/17/12 11:15
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-13

Matrix: Soli
Percent Solids: 81.

Method: SW846 9045C - General Chemistry Parameters

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.17		0.100		pH Units		05/30/12 13:44	05/30/12 15:00	1.00

Client Sample ID: SB-6 2.5

Date Collected: 05/17/12 11:20
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-14

Matrix: Solid
Percent Solids: 77.2

Method: 8260B - Volatile Organic Compounds by SW846 8260B

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.00641	0.00213	mg/kg dry	☼	05/23/12 13:08	05/24/12 00:21	1.00
1,1,1-Trichloroethane	ND		0.00641	0.00166	mg/kg dry	☼	05/23/12 13:08	05/24/12 00:21	1.00
1,1,2,2-Tetrachloroethane	ND		0.00641	0.00409	mg/kg dry	☼	05/23/12 13:08	05/24/12 00:21	1.00
1,1,2-Trichloroethane	ND		0.00641	0.00284	mg/kg dry	☼	05/23/12 13:08	05/24/12 00:21	1.00
1,1-Dichloroethane	ND		0.00641	0.000866	mg/kg dry	☼	05/23/12 13:08	05/24/12 00:21	1.00
1,1-Dichloroethene	ND		0.00641	0.00111	mg/kg dry	☼	05/23/12 13:08	05/24/12 00:21	1.00
1,2,4-Trimethylbenzene	ND		0.00641	0.00258	mg/kg dry	☼	05/23/12 13:08	05/24/12 00:21	1.00
1,2-Dibromoethane (EDB)	ND		0.00641	0.00193	mg/kg dry	☼	05/23/12 13:08	05/24/12 00:21	1.00
1,2-Dichlorobenzene	ND		0.00641	0.00313	mg/kg dry	☼	05/23/12 13:08	05/24/12 00:21	1.00
1,2-Dichloroethane	ND		0.00641	0.00110	mg/kg dry	☼	05/23/12 13:08	05/24/12 00:21	1.00
1,2-Dichloropropane	ND		0.00641	0.000873	mg/kg dry	☼	05/23/12 13:08	05/24/12 00:21	1.00
1,3-Dichlorobenzene	ND		0.00641	0.00249	mg/kg dry	☼	05/23/12 13:08	05/24/12 00:21	1.00
1,4-Dichlorobenzene	ND		0.00641	0.00242	mg/kg dry	☼	05/23/12 13:08	05/24/12 00:21	1.00
2-Butanone (MEK)	**0.0347**		0.0128	0.00590	mg/kg dry	☼	05/23/12 13:08	05/24/12 00:21	1.00
2-Hexanone	ND		0.0128	0.00440	mg/kg dry	☼	05/23/12 13:08	05/24/12 00:21	1.00
4-Isopropyltoluene	ND		0.00641	0.00217	mg/kg dry	☼	05/23/12 13:08	05/24/12 00:21	1.00
4-Methyl-2-pentanone (MIBK)	ND		0.0128	0.00328	mg/kg dry	☼	05/23/12 13:08	05/24/12 00:21	1.00
Acetone	**0.111**		0.0641	0.00611	mg/kg dry	☼	05/23/12 13:08	05/24/12 00:21	1.00
Benzene	ND		0.00641	0.00100	mg/kg dry	☼	05/23/12 13:08	05/24/12 00:21	1.00
Bromobenzene	ND		0.00641	0.00296	mg/kg dry	☼	05/23/12 13:08	05/24/12 00:21	1.00
Bromochloromethane	ND		0.00641	0.00102	mg/kg dry	☼	05/23/12 13:08	05/24/12 00:21	1.00
Bromodichloromethane	ND		0.00641	0.000876	mg/kg dry	☼	05/23/12 13:08	05/24/12 00:21	1.00
Bromoethane	ND		0.0128	0.00144	mg/kg dry	☼	05/23/12 13:08	05/24/12 00:21	1.00
Bromoform	ND		0.00641	0.00158	mg/kg dry	☼	05/23/12 13:08	05/24/12 00:21	1.00
Bromomethane	ND		0.0128	0.00118	mg/kg dry	☼	05/23/12 13:08	05/24/12 00:21	1.00
Carbon disulfide	ND		0.00641	0.00128	mg/kg dry	☼	05/23/12 13:08	05/24/12 00:21	1.00
Carbon tetrachloride	ND		0.00641	0.00146	mg/kg dry	☼	05/23/12 13:08	05/24/12 00:21	1.00
Chlorobenzene	ND		0.00641	0.00111	mg/kg dry	☼	05/23/12 13:08	05/24/12 00:21	1.00
Chlorodibromomethane	ND		0.00641	0.00228	mg/kg dry	☼	05/23/12 13:08	05/24/12 00:21	1.00
Chloroethane	ND		0.0128	0.00197	mg/kg dry	☼	05/23/12 13:08	05/24/12 00:21	1.00
Chloroform	ND		0.00641	0.000936	mg/kg dry	☼	05/23/12 13:08	05/24/12 00:21	1.00
Chloromethane	ND		0.0128	0.00387	mg/kg dry	☼	05/23/12 13:08	05/24/12 00:21	1.00
cis-1,2-Dichloroethene	ND		0.00641	0.000814	mg/kg dry	☼	05/23/12 13:08	05/24/12 00:21	1.00
cis-1,3-Dichloropropene	ND		0.00641	0.00167	mg/kg dry	☼	05/23/12 13:08	05/24/12 00:21	1.00
Dibromomethane	ND		0.00641	0.00114	mg/kg dry	☼	05/23/12 13:08	05/24/12 00:21	1.00
Dichlorodifluoromethane	ND		0.0257	0.0128	mg/kg dry	☼	05/23/12 13:08	05/24/12 00:21	1.00
Ethylbenzene	ND		0.00641	0.00155	mg/kg dry	☼	05/23/12 13:08	05/24/12 00:21	1.00
Hexachlorobutadiene	ND		0.00641	0.00233	mg/kg dry	☼	05/23/12 13:08	05/24/12 00:21	1.00
Isopropylbenzene	ND		0.00641	0.00233	mg/kg dry	☼	05/23/12 13:08	05/24/12 00:21	1.00
Methyl tert-Butyl Ether	ND		0.00641	0.00111	mg/kg dry	☼	05/23/12 13:08	05/24/12 00:21	1.00
Methylene chloride	ND		0.00641	0.00136	mg/kg dry	☼	05/23/12 13:08	05/24/12 00:21	1.00
n-Butylbenzene	ND		0.00641	0.00213	mg/kg dry	☼	05/23/12 13:08	05/24/12 00:21	1.00
n-Propylbenzene	ND		0.00641	0.00235	mg/kg dry	☼	05/23/12 13:08	05/24/12 00:21	1.00
sec-Butylbenzene	ND		0.00641	0.00270	mg/kg dry	☼	05/23/12 13:08	05/24/12 00:21	1.00
Styrene	ND		0.00641	0.00211	mg/kg dry	☼	05/23/12 13:08	05/24/12 00:21	1.00
tert-Butylbenzene	ND		0.00641	0.00243	mg/kg dry	☼	05/23/12 13:08	05/24/12 00:21	1.00
Tetrachloroethene	ND		0.00641	0.00202	mg/kg dry	☼	05/23/12 13:08	05/24/12 00:21	1.00
Toluene	ND		0.00641	0.00127	mg/kg dry	☼	05/23/12 13:08	05/24/12 00:21	1.00
trans-1,2-Dichloroethene	ND		0.00641	0.00109	mg/kg dry	☼	05/23/12 13:08	05/24/12 00:21	1.00
trans-1,3-Dichloropropene	ND		0.00641	0.00212	mg/kg dry	☼	05/23/12 13:08	05/24/12 00:21	1.00
Trichloroethene	ND		0.00641	0.00121	mg/kg dry	☼	05/23/12 13:08	05/24/12 00:21	1.00

Client Sample ID: SB-6 2.5

Date Collected: 05/17/12 11:20
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-14

Matrix: Soli
Percent Solids: 77.

Method: 8260B - Volatile Organic Compounds by SW846 8260B (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		0.0128	0.00133	mg/kg dry	☼	05/23/12 13:08	05/24/12 00:21	1.00
Vinyl chloride	ND		0.00641	0.00189	mg/kg dry	☼	05/23/12 13:08	05/24/12 00:21	1.00
Xylenes, total	ND		0.0192	0.00385	mg/kg dry	☼	05/23/12 13:08	05/24/12 00:21	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*118*		*67 - 127*	*05/23/12 13:08*	*05/24/12 00:21*	*1.00*
4-Bromofluorobenzene	*106*		*59 - 119*	*05/23/12 13:08*	*05/24/12 00:21*	*1.00*
Dibromofluoromethane	*99*		*69 - 129*	*05/23/12 13:08*	*05/24/12 00:21*	*1.00*
Toluene-d8	*99*		*76 - 136*	*05/23/12 13:08*	*05/24/12 00:21*	*1.00*

Method: 8270C - Acid and Base/Neutral Extractables by SW846 TRRP

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.427	0.0581	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:32	1.00
1,2-Diphenylhydrazine	ND		0.427	0.0545	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:32	1.00
2,4,5-Trichlorophenol	ND		0.427	0.0443	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:32	1.00
2,4,6-Trichlorophenol	ND		0.427	0.0568	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:32	1.00
2,4-Dichlorophenol	ND		0.427	0.0561	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:32	1.00
2,4-Dimethylphenol	ND		0.427	0.102	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:32	1.00
2,4-Dinitrophenol	ND		2.16	0.863	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:32	1.00
2,4-Dinitrotoluene	ND		0.427	0.203	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:32	1.00
2,6-Dinitrotoluene	ND		0.427	0.0530	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:32	1.00
2-Chloronaphthalene	ND		0.427	0.0405	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:32	1.00
2-Chlorophenol	ND		0.427	0.0377	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:32	1
2-Methylnaphthalene	ND		0.427	0.0415	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:32	1.00
2-Methylphenol	ND		0.427	0.0515	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:32	1.00
2-Nitroaniline	ND		0.427	0.0549	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:32	1.00
2-Nitrophenol	ND		0.427	0.0815	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:32	1.00
3 & 4 Methylphenol	ND		0.427	0.0838	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:32	1.00
3,3'-Dichlorobenzidine	ND	JL	2.16	0.0692	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:32	1.00
3-Nitroaniline	ND	JL	0.427	0.0412	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:32	1.00
4,6-Dinitro-2-methylphenol	ND		2.16	0.259	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:32	1.00
4-Bromophenyl phenyl ether	ND		0.427	0.0391	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:32	1.00
4-Chloro-3-methylphenol	ND		0.427	0.0682	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:32	1.00
4-Chloroaniline	ND	JL	0.427	0.0485	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:32	1.00
4-Chlorophenyl phenyl ether	ND		0.427	0.0330	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:32	1.00
4-Nitroaniline	ND		0.427	0.129	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:32	1.00
4-Nitrophenol	ND		2.16	0.195	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:32	1.00
Acenaphthene	ND		0.427	0.0448	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:32	1.00
Acenaphthylene	ND		0.427	0.0424	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:32	1.00
Anthracene	ND		0.427	0.0319	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:32	1.00
Benzo[a]anthracene	ND		0.427	0.0257	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:32	1.00
Benzo[a]pyrene	ND		0.427	0.0294	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:32	1.00
Benzo[b]fluoranthene	ND		0.427	0.0675	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:32	1.00
Benzo[g,h,i]perylene	ND		0.427	0.0347	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:32	1.00
Benzo[k]fluoranthene	ND		0.427	0.0514	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:32	1.00
Bis(2-chloroethoxy)methane	ND		0.427	0.0420	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:32	1.00
Bis(2-chloroethyl)ether	ND		0.427	0.0443	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:32	1.00
Bis(2-chloroisopropyl) ether	ND		0.427	0.0352	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:32	1.00
Bis(2-ethylhexyl) phthalate	ND		0.427	0.0542	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:32	1
Butyl benzyl phthalate	ND		0.427	0.0337	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:32	1.00
Chrysene	ND		0.427	0.0292	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:32	1.00

Client Sample ID: SB-6 2.5

Date Collected: 05/17/12 11:20
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-14

Matrix: Solid
Percent Solids: 77.2

Method: 8270C - Acid and Base/Neutral Extractables by SW846 TRRP (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz[a,h]anthracene	ND		0.427	0.109	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:32	1.00
Dibenzofuran	ND		0.427	0.0464	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:32	1.00
Diethyl phthalate	ND		0.427	0.0278	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:32	1.00
Dimethyl phthalate	ND		0.427	0.0308	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:32	1.00
Di-n-butyl phthalate	ND		0.427	0.0318	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:32	1.00
Di-n-octyl phthalate	ND		0.427	0.156	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:32	1.00
Diphenylamine	ND		0.427	0.0294	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:32	1.00
Fluoranthene	ND		0.427	0.0315	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:32	1.00
Fluorene	ND		0.427	0.0299	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:32	1.00
Hexachlorobenzene	ND		0.427	0.0362	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:32	1.00
Hexachlorobutadiene	ND		0.427	0.0525	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:32	1.00
Hexachlorocyclopentadiene	ND		2.16	0.218	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:32	1.00
Hexachloroethane	ND		0.427	0.0556	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:32	1.00
Isophorone	ND		0.427	0.0552	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:32	1.00
Naphthalene	ND		0.427	0.0411	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:32	1.00
Nitrobenzene	ND		0.427	0.0635	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:32	1.00
N-Nitrosodi-n-propylamine	ND		0.427	0.0314	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:32	1.00
N-Nitrosodiphenylamine	ND		0.427	0.0294	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:32	1.00
Pentachloroethane	ND		0.427	0.0392	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:32	1.00
Pentachlorophenol	ND		2.16	0.0652	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:32	1.00
Phenanthrene	ND		0.427	0.0286	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:32	1.00
Phenol	ND		0.427	0.0424	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:32	1.00
Pyrene	ND		0.427	0.0301	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:32	1.00
Pyridine	ND		0.427	0.0499	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:32	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*73*		*42 - 136*	*05/31/12 17:00*	*06/02/12 17:32*	*1.00*
2-Fluorobiphenyl	*73*		*42 - 129*	*05/31/12 17:00*	*06/02/12 17:32*	*1.00*
2-Fluorophenol	*75*		*36 - 114*	*05/31/12 17:00*	*06/02/12 17:32*	*1.00*
Nitrobenzene-d5	*73*		*40 - 122*	*05/31/12 17:00*	*06/02/12 17:32*	*1.00*
Phenol-d5	*76*		*38 - 125*	*05/31/12 17:00*	*06/02/12 17:32*	*1.00*
Terphenyl-d14	*74*		*44 - 127*	*05/31/12 17:00*	*06/02/12 17:32*	*1.00*

Method: 6020 - Total Metals by SW846 Series Methods

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**3.32**		0.635	0.145	mg/kg dry	☼	05/31/12 10:35	05/31/12 16:58	5.00
Barium	**146**	**B**	6.35	0.0118	mg/kg dry	☼	05/31/12 10:35	05/31/12 16:58	5.00
Cadmium	**0.217**	**J**	0.635	0.0159	mg/kg dry	☼	05/31/12 10:35	05/31/12 16:58	5.00
Chromium	**21.2**		0.635	0.417	mg/kg dry	☼	05/31/12 10:35	05/31/12 16:58	5.00
Lead	**20.1**		0.635	0.0311	mg/kg dry	☼	05/31/12 10:35	05/31/12 16:58	5.00
Selenium	ND		0.635	0.236	mg/kg dry	☼	05/31/12 10:35	05/31/12 16:58	5.00
Silver	ND		0.635	0.152	mg/kg dry	☼	05/31/12 10:35	05/31/12 16:58	5.00

Method: 7471A - Total Metals by SW846 Series Methods

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.106	0.00724	mg/kg dry	☼	05/31/12 11:15	05/31/12 15:24	1.00

Method: ASTM D2216-90 - General Chemistry Parameters

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Dry Weight	**77.2**		0.500		%		05/23/12 16:30	05/24/12 10:51	1.00

Client Sample Results

Client: TITAN Engineering, Inc.
Project/Site: 583-01

TestAmerica Job ID: AVE0225

Client Sample ID: SB-6 2.5

Date Collected: 05/17/12 11:20
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-14

Matrix: Soli
Percent Solids: 77.

Method: SW846 9045C - General Chemistry Parameters

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.11		0.100		pH Units		05/30/12 13:44	05/30/12 15:00	1.00

Client Sample Results

Client: TITAN Engineering, Inc.
Project/Site: 583-01

TestAmerica Job ID: AVE0225

Client Sample ID: SB-7 1
Date Collected: 05/17/12 11:50
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-15
Matrix: Solid
Percent Solids: 80.8

Method: 8260B - Volatile Organic Compounds by SW846 8260B

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.00609	0.00202	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:38	1.00
1,1,1-Trichloroethane	ND		0.00609	0.00158	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:38	1.00
1,1,2,2-Tetrachloroethane	ND		0.00609	0.00388	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:38	1.00
1,1,2-Trichloroethane	ND		0.00609	0.00270	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:38	1.00
1,1-Dichloroethane	ND		0.00609	0.000822	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:38	1.00
1,1-Dichloroethene	ND		0.00609	0.00105	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:38	1.00
1,2,4-Trimethylbenzene	ND		0.00609	0.00245	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:38	1.00
1,2-Dibromoethane (EDB)	ND		0.00609	0.00184	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:38	1.00
1,2-Dichlorobenzene	ND		0.00609	0.00297	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:38	1.00
1,2-Dichloroethane	ND		0.00609	0.00105	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:38	1.00
1,2-Dichloropropane	ND		0.00609	0.000830	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:38	1.00
1,3-Dichlorobenzene	ND		0.00609	0.00236	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:38	1.00
1,4-Dichlorobenzene	ND		0.00609	0.00230	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:38	1.00
2-Butanone (MEK)	ND		0.0122	0.00560	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:38	1.00
2-Hexanone	ND		0.0122	0.00418	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:38	1.00
4-Isopropyltoluene	ND		0.00609	0.00206	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:38	1.00
4-Methyl-2-pentanone (MIBK)	ND		0.0122	0.00311	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:38	1.00
Acetone	ND		0.0609	0.00580	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:38	1.00
Benzene	ND		0.00609	0.000950	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:38	1.00
Bromobenzene	ND		0.00609	0.00282	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:38	1.00
Bromochloromethane	ND		0.00609	0.000971	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:38	1.00
omodichloromethane	ND		0.00609	0.000832	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:38	1.00
Bromoethane	ND		0.0122	0.00137	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:38	1.00
Bromoform	ND		0.00609	0.00150	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:38	1.00
Bromomethane	ND		0.0122	0.00112	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:38	1.00
Carbon disulfide	ND		0.00609	0.00121	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:38	1.00
Carbon tetrachloride	ND		0.00609	0.00139	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:38	1.00
Chlorobenzene	ND		0.00609	0.00105	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:38	1.00
Chlorodibromomethane	ND		0.00609	0.00216	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:38	1.00
Chloroethane	ND		0.0122	0.00187	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:38	1.00
Chloroform	ND		0.00609	0.000889	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:38	1.00
Chloromethane	ND		0.0122	0.00368	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:38	1.00
cis-1,2-Dichloroethene	ND		0.00609	0.000774	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:38	1.00
cis-1,3-Dichloropropene	ND		0.00609	0.00159	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:38	1.00
Dibromomethane	ND		0.00609	0.00108	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:38	1.00
Dichlorodifluoromethane	ND		0.0244	0.0122	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:38	1.00
Ethylbenzene	ND		0.00609	0.00148	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:38	1.00
Hexachlorobutadiene	ND		0.00609	0.00221	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:38	1.00
Isopropylbenzene	ND		0.00609	0.00221	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:38	1.00
Methyl tert-Butyl Ether	ND		0.00609	0.00105	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:38	1.00
Methylene chloride	ND		0.00609	0.00129	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:38	1.00
n-Butylbenzene	ND		0.00609	0.00202	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:38	1.00
n-Propylbenzene	ND		0.00609	0.00223	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:38	1.00
sec-Butylbenzene	ND		0.00609	0.00257	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:38	1.00
Styrene	ND		0.00609	0.00200	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:38	1.00
tert-Butylbenzene	ND		0.00609	0.00231	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:38	1.00
Tetrachloroethene	ND		0.00609	0.00192	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:38	1.00
luene	ND		0.00609	0.00121	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:38	1.00
trans-1,2-Dichloroethene	ND		0.00609	0.00103	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:38	1.00
trans-1,3-Dichloropropene	ND		0.00609	0.00201	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:38	1.00
Trichloroethene	ND		0.00609	0.00115	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:38	1.00

Client Sample ID: SB-7 1

Date Collected: 05/17/12 11:50
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-15

Matrix: Soli
Percent Solids: 80.

Method: 8260B - Volatile Organic Compounds by SW846 8260B (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		0.0122	0.00126	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:38	1.00
Vinyl chloride	ND		0.00609	0.00179	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:38	1.00
Xylenes, total	ND		0.0183	0.00365	mg/kg dry	☼	05/23/12 13:08	05/23/12 17:38	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*115*		*67 - 127*	*05/23/12 13:08*	*05/23/12 17:38*	*1.00*
4-Bromofluorobenzene	*108*		*59 - 119*	*05/23/12 13:08*	*05/23/12 17:38*	*1.00*
Dibromofluoromethane	*98*		*69 - 129*	*05/23/12 13:08*	*05/23/12 17:38*	*1.00*
Toluene-d8	*99*		*76 - 136*	*05/23/12 13:08*	*05/23/12 17:38*	*1.00*

Method: 8270C - Acid and Base/Neutral Extractables by SW846 TRRP

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.407	0.0554	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:54	1.00
1,2-Diphenylhydrazine	ND		0.407	0.0520	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:54	1.00
2,4,5-Trichlorophenol	ND		0.407	0.0423	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:54	1.00
2,4,6-Trichlorophenol	ND		0.407	0.0542	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:54	1.00
2,4-Dichlorophenol	ND		0.407	0.0536	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:54	1.00
2,4-Dimethylphenol	ND		0.407	0.0970	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:54	1.00
2,4-Dinitrophenol	ND		2.06	0.824	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:54	1.00
2,4-Dinitrotoluene	ND		0.407	0.194	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:54	1.00
2,6-Dinitrotoluene	ND		0.407	0.0506	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:54	1.00
2-Chloronaphthalene	ND		0.407	0.0386	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:54	1.00
2-Chlorophenol	ND		0.407	0.0360	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:54	1
2-Methylnaphthalene	ND		0.407	0.0397	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:54	1.00
2-Methylphenol	ND		0.407	0.0492	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:54	1.00
2-Nitroaniline	ND		0.407	0.0525	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:54	1.00
2-Nitrophenol	ND		0.407	0.0778	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:54	1.00
3 & 4 Methylphenol	ND		0.407	0.0800	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:54	1.00
3,3'-Dichlorobenzidine	ND	JL	2.06	0.0660	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:54	1.00
3-Nitroaniline	ND	JL	0.407	0.0394	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:54	1.00
4,6-Dinitro-2-methylphenol	ND		2.06	0.247	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:54	1.00
4-Bromophenyl phenyl ether	ND		0.407	0.0373	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:54	1.00
4-Chloro-3-methylphenol	ND		0.407	0.0651	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:54	1.00
4-Chloroaniline	ND	JL	0.407	0.0463	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:54	1.00
4-Chlorophenyl phenyl ether	ND		0.407	0.0315	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:54	1.00
4-Nitroaniline	ND		0.407	0.123	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:54	1.00
4-Nitrophenol	ND		2.06	0.186	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:54	1.00
Acenaphthene	ND		0.407	0.0428	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:54	1.00
Acenaphthylene	ND		0.407	0.0404	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:54	1.00
Anthracene	ND		0.407	0.0304	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:54	1.00
Benzo[a]anthracene	ND		0.407	0.0245	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:54	1.00
Benzo[a]pyrene	ND		0.407	0.0281	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:54	1.00
Benzo[b]fluoranthene	ND		0.407	0.0644	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:54	1.00
Benzo[g,h,i]perylene	ND		0.407	0.0331	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:54	1.00
Benzo[k]fluoranthene	ND		0.407	0.0490	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:54	1.00
Bis(2-chloroethoxy)methane	ND		0.407	0.0401	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:54	1.00
Bis(2-chloroethyl)ether	ND		0.407	0.0423	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:54	1.00
Bis(2-chloroisopropyl) ether	ND		0.407	0.0336	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:54	1.00
Bis(2-ethylhexyl) phthalate	ND		0.407	0.0517	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:54	1
Butyl benzyl phthalate	ND		0.407	0.0322	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:54	1.00
Chrysene	ND		0.407	0.0279	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:54	1.00

Client Sample ID: SB-7 1

Date Collected: 05/17/12 11:50
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-15

Matrix: Solid
Percent Solids: 80.8

Method: 8270C - Acid and Base/Neutral Extractables by SW846 TRRP (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz[a,h]anthracene	ND		0.407	0.104	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:54	1.00
Dibenzofuran	ND		0.407	0.0443	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:54	1.00
Diethyl phthalate	ND		0.407	0.0265	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:54	1.00
Dimethyl phthalate	ND		0.407	0.0294	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:54	1.00
Di-n-butyl phthalate	ND		0.407	0.0303	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:54	1.00
Di-n-octyl phthalate	ND		0.407	0.149	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:54	1.00
Diphenylamine	ND		0.407	0.0280	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:54	1.00
Fluoranthene	ND		0.407	0.0301	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:54	1.00
Fluorene	ND		0.407	0.0285	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:54	1.00
Hexachlorobenzene	ND		0.407	0.0346	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:54	1.00
Hexachlorobutadiene	ND		0.407	0.0501	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:54	1.00
Hexachlorocyclopentadiene	ND		2.06	0.209	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:54	1.00
Hexachloroethane	ND		0.407	0.0531	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:54	1.00
Isophorone	ND		0.407	0.0527	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:54	1.00
Naphthalene	ND		0.407	0.0393	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:54	1.00
Nitrobenzene	ND		0.407	0.0606	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:54	1.00
N-Nitrosodi-n-propylamine	ND		0.407	0.0300	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:54	1.00
N-Nitrosodiphenylamine	ND		0.407	0.0280	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:54	1.00
Pentachloroethane	ND		0.407	0.0375	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:54	1.00
Pentachlorophenol	ND		2.06	0.0622	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:54	1.00
Phenanthrene	ND		0.407	0.0273	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:54	1.00
Phenol	ND		0.407	0.0405	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:54	1.00
Pyrene	ND		0.407	0.0288	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:54	1.00
Pyridine	ND		0.407	0.0476	mg/kg dry	☼	05/31/12 17:00	06/02/12 17:54	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*77*		*42 - 136*	*05/31/12 17:00*	*06/02/12 17:54*	*1.00*
2-Fluorobiphenyl	*70*		*42 - 129*	*05/31/12 17:00*	*06/02/12 17:54*	*1.00*
2-Fluorophenol	*72*		*36 - 114*	*05/31/12 17:00*	*06/02/12 17:54*	*1.00*
Nitrobenzene-d5	*70*		*40 - 122*	*05/31/12 17:00*	*06/02/12 17:54*	*1.00*
Phenol-d5	*72*		*38 - 125*	*05/31/12 17:00*	*06/02/12 17:54*	*1.00*
Terphenyl-d14	*72*		*44 - 127*	*05/31/12 17:00*	*06/02/12 17:54*	*1.00*

Method: 6020 - Total Metals by SW846 Series Methods

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**5.06**		0.568	0.130	mg/kg dry	☼	05/31/12 10:35	05/31/12 17:03	5.00
Barium	**188**	**B**	5.68	0.0106	mg/kg dry	☼	05/31/12 10:35	05/31/12 17:03	5.00
Cadmium	**4.00**		0.568	0.0142	mg/kg dry	☼	05/31/12 10:35	05/31/12 17:03	5.00
Chromium	**23.9**		0.568	0.372	mg/kg dry	☼	05/31/12 10:35	05/31/12 17:03	5.00
Lead	**49.5**		0.568	0.0278	mg/kg dry	☼	05/31/12 10:35	05/31/12 17:03	5.00
Selenium	ND		0.568	0.211	mg/kg dry	☼	05/31/12 10:35	05/31/12 17:03	5.00
Silver	ND		0.568	0.136	mg/kg dry	☼	05/31/12 10:35	05/31/12 17:03	5.00

Method: 7471A - Total Metals by SW846 Series Methods

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0159**	**J**	0.120	0.00814	mg/kg dry	☼	05/31/12 11:15	05/31/12 15:34	1.00

Method: ASTM D2216-90 - General Chemistry Parameters

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Dry Weight	**80.8**		0.500		%		05/23/12 16:30	05/24/12 10:53	1.00

Client Sample Results

Client: TITAN Engineering, Inc.
Project/Site: 583-01

TestAmerica Job ID: AVE0225

Client Sample ID: SB-7 1

Date Collected: 05/17/12 11:50
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-15

Matrix: Sol
Percent Solids: 8

Method: SW846 9045C - General Chemistry Parameters

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.32		0.100		pH Units		05/30/12 13:44	05/30/12 15:00	1.00

Client Sample Results

Client: TITAN Engineering, Inc.
Project/Site: 583-01

TestAmerica Job ID: AVE0225

Client Sample ID: SB-7 5
Date Collected: 05/17/12 11:55
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-16
Matrix: Solid
Percent Solids: 82

Method: 8260B - Volatile Organic Compounds by SW846 8260B

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.00610	0.00203	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:01	1.00
1,1,1-Trichloroethane	ND		0.00610	0.00158	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:01	1.00
1,1,2,2-Tetrachloroethane	ND		0.00610	0.00389	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:01	1.00
1,1,2-Trichloroethane	ND		0.00610	0.00270	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:01	1.00
1,1-Dichloroethane	ND		0.00610	0.000823	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:01	1.00
1,1-Dichloroethene	ND		0.00610	0.00105	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:01	1.00
1,2,4-Trimethylbenzene	ND		0.00610	0.00245	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:01	1.00
1,2-Dibromoethane (EDB)	ND		0.00610	0.00184	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:01	1.00
1,2-Dichlorobenzene	ND		0.00610	0.00298	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:01	1.00
1,2-Dichloroethane	ND		0.00610	0.00105	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:01	1.00
1,2-Dichloropropane	ND		0.00610	0.000831	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:01	1.00
1,3-Dichlorobenzene	ND		0.00610	0.00236	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:01	1.00
1,4-Dichlorobenzene	ND		0.00610	0.00230	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:01	1.00
2-Butanone (MEK)	**0.0110**	**J**	0.0122	0.00561	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:01	1.00
2-Hexanone	ND		0.0122	0.00418	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:01	1.00
4-Isopropyltoluene	ND		0.00610	0.00206	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:01	1.00
4-Methyl-2-pentanone (MIBK)	ND		0.0122	0.00312	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:01	1.00
Acetone	**0.0383**	**J**	0.0610	0.00581	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:01	1.00
Benzene	ND		0.00610	0.000951	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:01	1.00
Bromobenzene	ND		0.00610	0.00282	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:01	1.00
Bromochloromethane	ND		0.00610	0.000972	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:01	1.00
Bromodichloromethane	ND		0.00610	0.000833	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:01	1.00
Bromoethane	ND		0.0122	0.00137	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:01	1.00
Bromoform	ND		0.00610	0.00151	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:01	1.00
Bromomethane	ND		0.0122	0.00112	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:01	1.00
Carbon disulfide	ND		0.00610	0.00121	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:01	1.00
Carbon tetrachloride	ND		0.00610	0.00139	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:01	1.00
Chlorobenzene	ND		0.00610	0.00105	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:01	1.00
Chlorodibromomethane	ND		0.00610	0.00217	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:01	1.00
Chloroethane	ND		0.0122	0.00187	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:01	1.00
Chloroform	ND		0.00610	0.000890	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:01	1.00
Chloromethane	ND		0.0122	0.00368	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:01	1.00
cis-1,2-Dichloroethene	ND		0.00610	0.000774	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:01	1.00
cis-1,3-Dichloropropene	ND		0.00610	0.00159	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:01	1.00
Dibromomethane	ND		0.00610	0.00108	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:01	1.00
Dichlorodifluoromethane	ND		0.0244	0.0122	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:01	1.00
Ethylbenzene	ND		0.00610	0.00148	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:01	1.00
Hexachlorobutadiene	ND		0.00610	0.00221	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:01	1.00
Isopropylbenzene	ND		0.00610	0.00221	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:01	1.00
Methyl tert-Butyl Ether	ND		0.00610	0.00105	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:01	1.00
Methylene chloride	ND		0.00610	0.00129	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:01	1.00
n-Butylbenzene	ND		0.00610	0.00202	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:01	1.00
n-Propylbenzene	ND		0.00610	0.00223	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:01	1.00
sec-Butylbenzene	ND		0.00610	0.00257	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:01	1.00
Styrene	ND		0.00610	0.00200	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:01	1.00
tert-Butylbenzene	ND		0.00610	0.00231	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:01	1.00
Tetrachloroethene	ND		0.00610	0.00192	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:01	1.00
Toluene	ND		0.00610	0.00121	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:01	1.00
trans-1,2-Dichloroethene	ND		0.00610	0.00104	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:01	1.00
trans-1,3-Dichloropropene	ND		0.00610	0.00201	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:01	1.00
Trichloroethene	ND		0.00610	0.00115	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:01	1.00

Client Sample ID: SB-7 5

Date Collected: 05/17/12 11:55
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-16

Matrix: Soil
Percent Solids: 8

Method: 8260B - Volatile Organic Compounds by SW846 8260B (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		0.0122	0.00126	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:01	1.00
Vinyl chloride	ND		0.00610	0.00179	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:01	1.00
Xylenes, total	ND		0.0183	0.00366	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:01	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*105*		*67 - 127*	*05/23/12 13:08*	*05/23/12 18:01*	*1.00*
4-Bromofluorobenzene	*104*		*59 - 119*	*05/23/12 13:08*	*05/23/12 18:01*	*1.00*
Dibromofluoromethane	*95*		*69 - 129*	*05/23/12 13:08*	*05/23/12 18:01*	*1.00*
Toluene-d8	*98*		*76 - 136*	*05/23/12 13:08*	*05/23/12 18:01*	*1.00*

Method: 8270C - Acid and Base/Neutral Extractables by SW846 TRRP

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.402	0.0547	mg/kg dry	☼	05/31/12 17:00	06/02/12 18:16	1.00
1,2-Diphenylhydrazine	ND		0.402	0.0513	mg/kg dry	☼	05/31/12 17:00	06/02/12 18:16	1.00
2,4,5-Trichlorophenol	ND		0.402	0.0417	mg/kg dry	☼	05/31/12 17:00	06/02/12 18:16	1.00
2,4,6-Trichlorophenol	ND		0.402	0.0534	mg/kg dry	☼	05/31/12 17:00	06/02/12 18:16	1.00
2,4-Dichlorophenol	ND		0.402	0.0528	mg/kg dry	☼	05/31/12 17:00	06/02/12 18:16	1.00
2,4-Dimethylphenol	ND		0.402	0.0957	mg/kg dry	☼	05/31/12 17:00	06/02/12 18:16	1.00
2,4-Dinitrophenol	ND		2.03	0.812	mg/kg dry	☼	05/31/12 17:00	06/02/12 18:16	1.00
2,4-Dinitrotoluene	ND		0.402	0.191	mg/kg dry	☼	05/31/12 17:00	06/02/12 18:16	1.00
2,6-Dinitrotoluene	ND		0.402	0.0499	mg/kg dry	☼	05/31/12 17:00	06/02/12 18:16	1.00
2-Chloronaphthalene	ND		0.402	0.0381	mg/kg dry	☼	05/31/12 17:00	06/02/12 18:16	1.00
2-Chlorophenol	ND		0.402	0.0355	mg/kg dry	☼	05/31/12 17:00	06/02/12 18:16	1
2-Methylnaphthalene	ND		0.402	0.0391	mg/kg dry	☼	05/31/12 17:00	06/02/12 18:16	1.00
2-Methylphenol	ND		0.402	0.0485	mg/kg dry	☼	05/31/12 17:00	06/02/12 18:16	1.00
2-Nitroaniline	ND		0.402	0.0517	mg/kg dry	☼	05/31/12 17:00	06/02/12 18:16	1.00
2-Nitrophenol	ND		0.402	0.0767	mg/kg dry	☼	05/31/12 17:00	06/02/12 18:16	1.00
3 & 4 Methylphenol	ND		0.402	0.0788	mg/kg dry	☼	05/31/12 17:00	06/02/12 18:16	1.00
3,3'-Dichlorobenzidine	ND	JL	2.03	0.0651	mg/kg dry	☼	05/31/12 17:00	06/02/12 18:16	1.00
3-Nitroaniline	ND	JL	0.402	0.0388	mg/kg dry	☼	05/31/12 17:00	06/02/12 18:16	1.00
4,6-Dinitro-2-methylphenol	ND		2.03	0.243	mg/kg dry	☼	05/31/12 17:00	06/02/12 18:16	1.00
4-Bromophenyl phenyl ether	ND		0.402	0.0368	mg/kg dry	☼	05/31/12 17:00	06/02/12 18:16	1.00
4-Chloro-3-methylphenol	ND		0.402	0.0642	mg/kg dry	☼	05/31/12 17:00	06/02/12 18:16	1.00
4-Chloroaniline	ND	JL	0.402	0.0456	mg/kg dry	☼	05/31/12 17:00	06/02/12 18:16	1.00
4-Chlorophenyl phenyl ether	ND		0.402	0.0311	mg/kg dry	☼	05/31/12 17:00	06/02/12 18:16	1.00
4-Nitroaniline	ND		0.402	0.122	mg/kg dry	☼	05/31/12 17:00	06/02/12 18:16	1.00
4-Nitrophenol	ND		2.03	0.184	mg/kg dry	☼	05/31/12 17:00	06/02/12 18:16	1.00
Acenaphthene	ND		0.402	0.0422	mg/kg dry	☼	05/31/12 17:00	06/02/12 18:16	1.00
Acenaphthylene	ND		0.402	0.0399	mg/kg dry	☼	05/31/12 17:00	06/02/12 18:16	1.00
Anthracene	ND		0.402	0.0300	mg/kg dry	☼	05/31/12 17:00	06/02/12 18:16	1.00
Benzo[a]anthracene	ND		0.402	0.0242	mg/kg dry	☼	05/31/12 17:00	06/02/12 18:16	1.00
Benzo[a]pyrene	ND		0.402	0.0277	mg/kg dry	☼	05/31/12 17:00	06/02/12 18:16	1.00
Benzo[b]fluoranthene	ND		0.402	0.0635	mg/kg dry	☼	05/31/12 17:00	06/02/12 18:16	1.00
Benzo[g,h,i]perylene	ND		0.402	0.0326	mg/kg dry	☼	05/31/12 17:00	06/02/12 18:16	1.00
Benzo[k]fluoranthene	ND		0.402	0.0483	mg/kg dry	☼	05/31/12 17:00	06/02/12 18:16	1.00
Bis(2-chloroethoxy)methane	ND		0.402	0.0395	mg/kg dry	☼	05/31/12 17:00	06/02/12 18:16	1.00
Bis(2-chloroethyl)ether	ND		0.402	0.0417	mg/kg dry	☼	05/31/12 17:00	06/02/12 18:16	1.00
Bis(2-chloroisopropyl) ether	ND		0.402	0.0331	mg/kg dry	☼	05/31/12 17:00	06/02/12 18:16	1.00
Bis(2-ethylhexyl) phthalate	ND		0.402	0.0510	mg/kg dry	☼	05/31/12 17:00	06/02/12 18:16	1
Butyl benzyl phthalate	ND		0.402	0.0318	mg/kg dry	☼	05/31/12 17:00	06/02/12 18:16	1.00
Chrysene	ND		0.402	0.0275	mg/kg dry	☼	05/31/12 17:00	06/02/12 18:16	1.00

Client Sample ID: SB-7 5

Date Collected: 05/17/12 11:55
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-16

Matrix: Solid
Percent Solids: 82

Method: 8270C - Acid and Base/Neutral Extractables by SW846 TRRP (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz[a,h]anthracene	ND		0.402	0.102	mg/kg dry	☼	05/31/12 17:00	06/02/12 18:16	1.00
Dibenzofuran	ND		0.402	0.0436	mg/kg dry	☼	05/31/12 17:00	06/02/12 18:16	1.00
Diethyl phthalate	ND		0.402	0.0261	mg/kg dry	☼	05/31/12 17:00	06/02/12 18:16	1.00
Dimethyl phthalate	ND		0.402	0.0290	mg/kg dry	☼	05/31/12 17:00	06/02/12 18:16	1.00
Di-n-butyl phthalate	ND		0.402	0.0299	mg/kg dry	☼	05/31/12 17:00	06/02/12 18:16	1.00
Di-n-octyl phthalate	ND		0.402	0.147	mg/kg dry	☼	05/31/12 17:00	06/02/12 18:16	1.00
Diphenylamine	ND		0.402	0.0276	mg/kg dry	☼	05/31/12 17:00	06/02/12 18:16	1.00
Fluoranthene	ND		0.402	0.0297	mg/kg dry	☼	05/31/12 17:00	06/02/12 18:16	1.00
Fluorene	ND		0.402	0.0281	mg/kg dry	☼	05/31/12 17:00	06/02/12 18:16	1.00
Hexachlorobenzene	ND		0.402	0.0341	mg/kg dry	☼	05/31/12 17:00	06/02/12 18:16	1.00
Hexachlorobutadiene	ND		0.402	0.0494	mg/kg dry	☼	05/31/12 17:00	06/02/12 18:16	1.00
Hexachlorocyclopentadiene	ND		2.03	0.206	mg/kg dry	☼	05/31/12 17:00	06/02/12 18:16	1.00
Hexachloroethane	ND		0.402	0.0524	mg/kg dry	☼	05/31/12 17:00	06/02/12 18:16	1.00
Isophorone	ND		0.402	0.0520	mg/kg dry	☼	05/31/12 17:00	06/02/12 18:16	1.00
Naphthalene	ND		0.402	0.0387	mg/kg dry	☼	05/31/12 17:00	06/02/12 18:16	1.00
Nitrobenzene	ND		0.402	0.0598	mg/kg dry	☼	05/31/12 17:00	06/02/12 18:16	1.00
N-Nitrosodi-n-propylamine	ND		0.402	0.0296	mg/kg dry	☼	05/31/12 17:00	06/02/12 18:16	1.00
N-Nitrosodiphenylamine	ND		0.402	0.0276	mg/kg dry	☼	05/31/12 17:00	06/02/12 18:16	1.00
Pentachloroethane	ND		0.402	0.0369	mg/kg dry	☼	05/31/12 17:00	06/02/12 18:16	1.00
Pentachlorophenol	ND		2.03	0.0613	mg/kg dry	☼	05/31/12 17:00	06/02/12 18:16	1.00
Phenanthrene	ND		0.402	0.0269	mg/kg dry	☼	05/31/12 17:00	06/02/12 18:16	1.00
Phenol	ND		0.402	0.0399	mg/kg dry	☼	05/31/12 17:00	06/02/12 18:16	1.00
Pyrene	ND		0.402	0.0284	mg/kg dry	☼	05/31/12 17:00	06/02/12 18:16	1.00
Pyridine	ND		0.402	0.0469	mg/kg dry	☼	05/31/12 17:00	06/02/12 18:16	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*68*		*42 - 136*	*05/31/12 17:00*	*06/02/12 18:16*	*1.00*
2-Fluorobiphenyl	*71*		*42 - 129*	*05/31/12 17:00*	*06/02/12 18:16*	*1.00*
2-Fluorophenol	*75*		*36 - 114*	*05/31/12 17:00*	*06/02/12 18:16*	*1.00*
Nitrobenzene-d5	*74*		*40 - 122*	*05/31/12 17:00*	*06/02/12 18:16*	*1.00*
Phenol-d5	*75*		*38 - 125*	*05/31/12 17:00*	*06/02/12 18:16*	*1.00*
Terphenyl-d14	*74*		*44 - 127*	*05/31/12 17:00*	*06/02/12 18:16*	*1.00*

Method: 6020 - Total Metals by SW846 Series Methods

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**3.58**		0.500	0.114	mg/kg dry	☼	05/31/12 10:35	05/31/12 17:08	5.00
Barium	**210**	**B**	5.00	0.00930	mg/kg dry	☼	05/31/12 10:35	05/31/12 17:08	5.00
Cadmium	**0.209**	**J**	0.500	0.0125	mg/kg dry	☼	05/31/12 10:35	05/31/12 17:08	5.00
Chromium	**20.0**		0.500	0.328	mg/kg dry	☼	05/31/12 10:35	05/31/12 17:08	5.00
Lead	**15.3**		0.500	0.0245	mg/kg dry	☼	05/31/12 10:35	05/31/12 17:08	5.00
Selenium	ND		0.500	0.186	mg/kg dry	☼	05/31/12 10:35	05/31/12 17:08	5.00
Silver	ND		0.500	0.120	mg/kg dry	☼	05/31/12 10:35	05/31/12 17:08	5.00

Method: 7471A - Total Metals by SW846 Series Methods

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0126**	**J**	0.111	0.00754	mg/kg dry	☼	05/31/12 11:15	05/31/12 15:36	1.00

Method: ASTM D2216-90 - General Chemistry Parameters

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Dry Weight	**82.0**		0.500		%		05/23/12 16:30	05/24/12 10:55	1.00

Client Sample Results

Client: TITAN Engineering, Inc.
Project/Site: 583-01

TestAmerica Job ID: AVE0225

Client Sample ID: SB-7 5

Date Collected: 05/17/12 11:55
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-16

Matrix: Sol
Percent Solids: 8

Method: SW846 9045C - General Chemistry Parameters

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.20		0.100		pH Units		05/30/12 13:44	05/30/12 15:00	1.00

Client Sample ID: SB-7 7.5

Date Collected: 05/17/12 12:00
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-17

Matrix: Solid
Percent Solids: 83.8

Method: 8260B - Volatile Organic Compounds by SW846 8260B

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.00592	0.00197	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:25	1.00
1,1,1-Trichloroethane	ND		0.00592	0.00153	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:25	1.00
1,1,2,2-Tetrachloroethane	ND		0.00592	0.00377	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:25	1.00
1,1,2-Trichloroethane	ND		0.00592	0.00262	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:25	1.00
1,1-Dichloroethane	ND		0.00592	0.000799	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:25	1.00
1,1-Dichloroethene	ND		0.00592	0.00102	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:25	1.00
1,2,4-Trimethylbenzene	ND		0.00592	0.00238	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:25	1.00
1,2-Dibromoethane (EDB)	ND		0.00592	0.00178	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:25	1.00
1,2-Dichlorobenzene	ND		0.00592	0.00289	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:25	1.00
1,2-Dichloroethane	ND		0.00592	0.00102	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:25	1.00
1,2-Dichloropropane	ND		0.00592	0.000806	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:25	1.00
1,3-Dichlorobenzene	ND		0.00592	0.00229	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:25	1.00
1,4-Dichlorobenzene	ND		0.00592	0.00223	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:25	1.00
2-Butanone (MEK)	**0.00587**	**J**	0.0118	0.00544	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:25	1.00
2-Hexanone	ND		0.0118	0.00406	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:25	1.00
4-Isopropyltoluene	ND		0.00592	0.00200	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:25	1.00
4-Methyl-2-pentanone (MIBK)	ND		0.0118	0.00302	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:25	1.00
Acetone	**0.0188**	**J**	0.0592	0.00564	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:25	1.00
Benzene	ND		0.00592	0.000923	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:25	1.00
Bromobenzene	ND		0.00592	0.00274	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:25	1.00
Bromochloromethane	ND		0.00592	0.000943	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:25	1.00
omodichloromethane	ND		0.00592	0.000808	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:25	1.00
Bromoethane	ND		0.0118	0.00133	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:25	1.00
Bromoform	ND		0.00592	0.00146	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:25	1.00
Bromomethane	ND		0.0118	0.00109	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:25	1.00
Carbon disulfide	ND		0.00592	0.00118	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:25	1.00
Carbon tetrachloride	ND		0.00592	0.00135	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:25	1.00
Chlorobenzene	ND		0.00592	0.00102	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:25	1.00
Chlorodibromomethane	ND		0.00592	0.00210	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:25	1.00
Chloroethane	ND		0.0118	0.00181	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:25	1.00
Chloroform	ND		0.00592	0.000864	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:25	1.00
Chloromethane	ND		0.0118	0.00357	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:25	1.00
cis-1,2-Dichloroethene	ND		0.00592	0.000752	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:25	1.00
cis-1,3-Dichloropropene	ND		0.00592	0.00155	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:25	1.00
Dibromomethane	ND		0.00592	0.00105	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:25	1.00
Dichlorodifluoromethane	ND		0.0237	0.0118	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:25	1.00
Ethylbenzene	ND		0.00592	0.00143	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:25	1.00
Hexachlorobutadiene	ND		0.00592	0.00215	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:25	1.00
Isopropylbenzene	ND		0.00592	0.00215	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:25	1.00
Methyl tert-Butyl Ether	ND		0.00592	0.00102	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:25	1.00
Methylene chloride	ND		0.00592	0.00125	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:25	1.00
n-Butylbenzene	ND		0.00592	0.00196	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:25	1.00
n-Propylbenzene	ND		0.00592	0.00217	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:25	1.00
sec-Butylbenzene	ND		0.00592	0.00249	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:25	1.00
Styrene	ND		0.00592	0.00194	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:25	1.00
tert-Butylbenzene	ND		0.00592	0.00225	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:25	1.00
Tetrachloroethene	ND		0.00592	0.00187	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:25	1.00
luene	ND		0.00592	0.00117	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:25	1.00
trans-1,2-Dichloroethene	ND		0.00592	0.00100	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:25	1.00
trans-1,3-Dichloropropene	ND		0.00592	0.00195	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:25	1.00
Trichloroethene	ND		0.00592	0.00112	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:25	1.00

Client Sample ID: SB-7 7.5

Date Collected: 05/17/12 12:00
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-17

Matrix: Soil
Percent Solids: 83.

Method: 8260B - Volatile Organic Compounds by SW846 8260B (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		0.0118	0.00123	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:25	1.00
Vinyl chloride	ND		0.00592	0.00174	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:25	1.00
Xylenes, total	ND		0.0178	0.00355	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:25	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*104*		*67 - 127*	*05/23/12 13:08*	*05/23/12 18:25*	*1.00*
4-Bromofluorobenzene	*108*		*59 - 119*	*05/23/12 13:08*	*05/23/12 18:25*	*1.00*
Dibromofluoromethane	*97*		*69 - 129*	*05/23/12 13:08*	*05/23/12 18:25*	*1.00*
Toluene-d8	*99*		*76 - 136*	*05/23/12 13:08*	*05/23/12 18:25*	*1.00*

Method: ASTM D2216-90 - General Chemistry Parameters

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Dry Weight	**83.8**		0.500		%		05/23/12 16:31	05/24/12 10:15	1.00

Client Sample Results

Client: TITAN Engineering, Inc.
Project/Site: 583-01

TestAmerica Job ID: AVE0225

Client Sample ID: TB-20120516

Lab Sample ID: AVE0225-18

Date Collected: 05/16/12 07:00

Matrix: Water

Date Received: 05/18/12 08:45

Method: 8260B - Volatile Organic Compounds by SW846 8260B

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.00100	0.000332	mg/L		05/22/12 10:43	05/22/12 17:58	1.00
1,1,1-Trichloroethane	ND		0.00100	0.000360	mg/L		05/22/12 10:43	05/22/12 17:58	1.00
1,1,2,2-Tetrachloroethane	ND		0.00100	0.000310	mg/L		05/22/12 10:43	05/22/12 17:58	1.00
1,1,2-Trichloroethane	ND		0.00100	0.000352	mg/L		05/22/12 10:43	05/22/12 17:58	1.00
1,1-Dichloroethane	ND		0.00100	0.000374	mg/L		05/22/12 10:43	05/22/12 17:58	1.00
1,1-Dichloroethene	ND		0.00100	0.000427	mg/L		05/22/12 10:43	05/22/12 17:58	1.00
1,2,4-Trimethylbenzene	ND		0.00100	0.000598	mg/L		05/22/12 10:43	05/22/12 17:58	1.00
1,2-Dibromoethane (EDB)	ND		0.00100	0.000500	mg/L		05/22/12 10:43	05/22/12 17:58	1.00
1,2-Dichlorobenzene	ND		0.00100	0.000434	mg/L		05/22/12 10:43	05/22/12 17:58	1.00
1,2-Dichloroethane	ND		0.00100	0.000392	mg/L		05/22/12 10:43	05/22/12 17:58	1.00
1,2-Dichloropropane	ND		0.00100	0.000373	mg/L		05/22/12 10:43	05/22/12 17:58	1.00
1,3-Dichlorobenzene	ND		0.00100	0.000386	mg/L		05/22/12 10:43	05/22/12 17:58	1.00
1,4-Dichlorobenzene	ND		0.00100	0.000293	mg/L		05/22/12 10:43	05/22/12 17:58	1.00
2-Butanone (MEK)	ND		0.00500	0.00110	mg/L		05/22/12 10:43	05/22/12 17:58	1.00
2-Hexanone	ND		0.0100	0.00500	mg/L		05/22/12 10:43	05/22/12 17:58	1.00
4-Isopropyltoluene	ND		0.00100	0.000633	mg/L		05/22/12 10:43	05/22/12 17:58	1.00
4-Methyl-2-pentanone (MIBK)	ND		0.00500	0.00108	mg/L		05/22/12 10:43	05/22/12 17:58	1.00
Acetone	ND		0.00500	0.00154	mg/L		05/22/12 10:43	05/22/12 17:58	1.00
Benzene	ND		0.00100	0.000339	mg/L		05/22/12 10:43	05/22/12 17:58	1.00
Bromobenzene	ND		0.00100	0.000394	mg/L		05/22/12 10:43	05/22/12 17:58	1.00
Bromochloromethane	ND		0.00100	0.000368	mg/L		05/22/12 10:43	05/22/12 17:58	1.00
omodichloromethane	ND		0.00100	0.000369	mg/L		05/22/12 10:43	05/22/12 17:58	1.00
Bromoethane	ND		0.0100	0.000381	mg/L		05/22/12 10:43	05/22/12 17:58	1.00
Bromoform	ND		0.00200	0.000684	mg/L		05/22/12 10:43	05/22/12 17:58	1.00
Bromomethane	ND		0.00200	0.00116	mg/L		05/22/12 10:43	05/22/12 17:58	1.00
Carbon disulfide	ND		0.00100	0.000383	mg/L		05/22/12 10:43	05/22/12 17:58	1.00
Carbon tetrachloride	ND		0.00100	0.000335	mg/L		05/22/12 10:43	05/22/12 17:58	1.00
Chlorobenzene	ND		0.00100	0.000333	mg/L		05/22/12 10:43	05/22/12 17:58	1.00
Chlorodibromomethane	ND		0.00100	0.000278	mg/L		05/22/12 10:43	05/22/12 17:58	1.00
Chloroethane	ND		0.00200	0.00134	mg/L		05/22/12 10:43	05/22/12 17:58	1.00
Chloroform	ND		0.00100	0.000349	mg/L		05/22/12 10:43	05/22/12 17:58	1.00
Chloromethane	ND		0.00200	0.000546	mg/L		05/22/12 10:43	05/22/12 17:58	1.00
cis-1,2-Dichloroethene	ND		0.00100	0.000367	mg/L		05/22/12 10:43	05/22/12 17:58	1.00
cis-1,3-Dichloropropene	ND		0.00100	0.000500	mg/L		05/22/12 10:43	05/22/12 17:58	1.00
Dibromomethane	ND		0.00100	0.000407	mg/L		05/22/12 10:43	05/22/12 17:58	1.00
Dichlorodifluoromethane	ND		0.00200	0.000581	mg/L		05/22/12 10:43	05/22/12 17:58	1.00
Ethylbenzene	ND		0.00100	0.000416	mg/L		05/22/12 10:43	05/22/12 17:58	1.00
Hexachlorobutadiene	ND		0.00100	0.000567	mg/L		05/22/12 10:43	05/22/12 17:58	1.00
Isopropylbenzene	ND		0.00100	0.000332	mg/L		05/22/12 10:43	05/22/12 17:58	1.00
Methyl tert-Butyl Ether	ND		0.00100	0.000336	mg/L		05/22/12 10:43	05/22/12 17:58	1.00
Methylene chloride	ND		0.00200	0.000422	mg/L		05/22/12 10:43	05/22/12 17:58	1.00
n-Butylbenzene	ND		0.00100	0.000878	mg/L		05/22/12 10:43	05/22/12 17:58	1.00
n-Propylbenzene	ND		0.00100	0.000441	mg/L		05/22/12 10:43	05/22/12 17:58	1.00
sec-Butylbenzene	ND		0.00100	0.000609	mg/L		05/22/12 10:43	05/22/12 17:58	1.00
Styrene	ND		0.00100	0.000269	mg/L		05/22/12 10:43	05/22/12 17:58	1.00
tert-Butylbenzene	ND		0.00100	0.000310	mg/L		05/22/12 10:43	05/22/12 17:58	1.00
Tetrachloroethene	ND		0.00100	0.000640	mg/L		05/22/12 10:43	05/22/12 17:58	1.00
luene	ND		0.00100	0.000288	mg/L		05/22/12 10:43	05/22/12 17:58	1.00
trans-1,2-Dichloroethene	ND		0.00100	0.000372	mg/L		05/22/12 10:43	05/22/12 17:58	1.00
trans-1,3-Dichloropropene	ND		0.00100	0.000220	mg/L		05/22/12 10:43	05/22/12 17:58	1.00
Trichloroethene	ND		0.00100	0.000449	mg/L		05/22/12 10:43	05/22/12 17:58	1.00

Client Sample ID: TB-20120516

Date Collected: 05/16/12 07:00
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-18

Matrix: Wa

Method: 8260B - Volatile Organic Compounds by SW846 8260B (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		0.00200	0.000573	mg/L		05/22/12 10:43	05/22/12 17:58	1.00
Vinyl chloride	ND		0.00200	0.000537	mg/L		05/22/12 10:43	05/22/12 17:58	1.00
Xylenes, total	ND		0.00300	0.00120	mg/L		05/22/12 10:43	05/22/12 17:58	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*113*		*69 - 133*	*05/22/12 10:43*	*05/22/12 17:58*	*1.00*
4-Bromofluorobenzene	*103*		*66 - 124*	*05/22/12 10:43*	*05/22/12 17:58*	*1.00*
Dibromofluoromethane	*112*		*81 - 127*	*05/22/12 10:43*	*05/22/12 17:58*	*1.00*
Toluene-d8	*102*		*87 - 121*	*05/22/12 10:43*	*05/22/12 17:58*	*1.00*

Client Sample Results

Client: TITAN Engineering, Inc.
Project/Site: 583-01

TestAmerica Job ID: AVE0225

Client Sample ID: TMW-1 1

Date Collected: 05/16/12 08:25
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-19

Matrix: Solid
Percent Solids: 77.2

Method: 8260B - Volatile Organic Compounds by SW846 8260B

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.00646	0.00215	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:10	1.00
1,1,1-Trichloroethane	ND		0.00646	0.00167	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:10	1.00
1,1,2,2-Tetrachloroethane	ND		0.00646	0.00412	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:10	1.00
1,1,2-Trichloroethane	ND		0.00646	0.00286	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:10	1.00
1,1-Dichloroethane	ND		0.00646	0.000872	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:10	1.00
1,1-Dichloroethene	ND		0.00646	0.00111	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:10	1.00
1,2,4-Trimethylbenzene	ND		0.00646	0.00260	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:10	1.00
1,2-Dibromoethane (EDB)	ND		0.00646	0.00195	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:10	1.00
1,2-Dichlorobenzene	ND		0.00646	0.00316	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:10	1.00
1,2-Dichloroethane	ND		0.00646	0.00111	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:10	1.00
1,2-Dichloropropane	ND		0.00646	0.000880	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:10	1.00
1,3-Dichlorobenzene	ND		0.00646	0.00250	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:10	1.00
1,4-Dichlorobenzene	ND		0.00646	0.00244	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:10	1.00
2-Butanone (MEK)	**0.0282**		0.0129	0.00594	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:10	1.00
2-Hexanone	ND		0.0129	0.00443	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:10	1.00
4-Isopropyltoluene	ND		0.00646	0.00218	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:10	1.00
4-Methyl-2-pentanone (MIBK)	ND		0.0129	0.00330	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:10	1.00
Acetone	**0.0951**		0.0646	0.00615	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:10	1.00
Benzene	ND		0.00646	0.00101	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:10	1.00
Bromobenzene	ND		0.00646	0.00299	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:10	1.00
Bromochloromethane	ND		0.00646	0.00103	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:10	1.00
omodichloromethane	ND		0.00646	0.000883	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:10	1.00
Bromoethane	ND		0.0129	0.00145	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:10	1.00
Bromoform	ND		0.00646	0.00159	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:10	1.00
Bromomethane	ND		0.0129	0.00119	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:10	1.00
Carbon disulfide	ND		0.00646	0.00129	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:10	1.00
Carbon tetrachloride	ND		0.00646	0.00147	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:10	1.00
Chlorobenzene	ND		0.00646	0.00112	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:10	1.00
Chlorodibromomethane	ND		0.00646	0.00229	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:10	1.00
Chloroethane	ND		0.0129	0.00198	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:10	1.00
Chloroform	ND		0.00646	0.000943	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:10	1.00
Chloromethane	ND		0.0129	0.00390	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:10	1.00
cis-1,2-Dichloroethene	ND		0.00646	0.000820	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:10	1.00
cis-1,3-Dichloropropene	ND		0.00646	0.00169	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:10	1.00
Dibromomethane	ND		0.00646	0.00115	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:10	1.00
Dichlorodifluoromethane	ND		0.0258	0.0129	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:10	1.00
Ethylbenzene	ND		0.00646	0.00157	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:10	1.00
Hexachlorobutadiene	ND		0.00646	0.00235	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:10	1.00
Isopropylbenzene	ND		0.00646	0.00234	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:10	1.00
Methyl tert-Butyl Ether	ND		0.00646	0.00112	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:10	1.00
Methylene chloride	ND		0.00646	0.00137	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:10	1.00
n-Butylbenzene	ND		0.00646	0.00214	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:10	1.00
n-Propylbenzene	ND		0.00646	0.00236	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:10	1.00
sec-Butylbenzene	ND		0.00646	0.00272	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:10	1.00
Styrene	ND		0.00646	0.00212	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:10	1.00
tert-Butylbenzene	ND		0.00646	0.00245	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:10	1.00
Tetrachloroethene	ND		0.00646	0.00204	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:10	1.00
luene	ND		0.00646	0.00128	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:10	1.00
trans-1,2-Dichloroethene	ND		0.00646	0.00110	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:10	1.00
trans-1,3-Dichloropropene	ND		0.00646	0.00213	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:10	1.00
Trichloroethene	ND		0.00646	0.00122	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:10	1.00

Client Sample ID: TMW-1 1

Date Collected: 05/16/12 08:25
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-19

Matrix: Sol
Percent Solids: 7

Method: 8260B - Volatile Organic Compounds by SW846 8260B (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		0.0129	0.00134	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:10	1.00
Vinyl chloride	ND		0.00646	0.00190	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:10	1.00
Xylenes, total	ND		0.0194	0.00388	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:10	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*110*		*67 - 127*	*05/23/12 13:08*	*05/23/12 23:10*	*1.00*
4-Bromofluorobenzene	*105*		*59 - 119*	*05/23/12 13:08*	*05/23/12 23:10*	*1.00*
Dibromofluoromethane	*81*		*69 - 129*	*05/23/12 13:08*	*05/23/12 23:10*	*1.00*
Toluene-d8	*100*		*76 - 136*	*05/23/12 13:08*	*05/23/12 23:10*	*1.00*

Method: 8270C - Acid and Base/Neutral Extractables by SW846 TRRP

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.427	0.0581	mg/kg dry	☼	05/29/12 17:00	05/31/12 18:43	1.00
1,2-Diphenylhydrazine	ND		0.427	0.0545	mg/kg dry	☼	05/29/12 17:00	05/31/12 18:43	1.00
2,4,5-Trichlorophenol	ND		0.427	0.0444	mg/kg dry	☼	05/29/12 17:00	05/31/12 18:43	1.00
2,4,6-Trichlorophenol	ND		0.427	0.0568	mg/kg dry	☼	05/29/12 17:00	05/31/12 18:43	1.00
2,4-Dichlorophenol	ND		0.427	0.0561	mg/kg dry	☼	05/29/12 17:00	05/31/12 18:43	1.00
2,4-Dimethylphenol	ND		0.427	0.102	mg/kg dry	☼	05/29/12 17:00	05/31/12 18:43	1.00
2,4-Dinitrophenol	ND		2.16	0.863	mg/kg dry	☼	05/29/12 17:00	05/31/12 18:43	1.00
2,4-Dinitrotoluene	ND		0.427	0.203	mg/kg dry	☼	05/29/12 17:00	05/31/12 18:43	1.00
2,6-Dinitrotoluene	ND		0.427	0.0530	mg/kg dry	☼	05/29/12 17:00	05/31/12 18:43	1.00
2-Chloronaphthalene	ND		0.427	0.0405	mg/kg dry	☼	05/29/12 17:00	05/31/12 18:43	1.00
2-Chlorophenol	ND		0.427	0.0377	mg/kg dry	☼	05/29/12 17:00	05/31/12 18:43	1
2-Methylnaphthalene	ND		0.427	0.0416	mg/kg dry	☼	05/29/12 17:00	05/31/12 18:43	1.00
2-Methylphenol	ND		0.427	0.0515	mg/kg dry	☼	05/29/12 17:00	05/31/12 18:43	1.00
2-Nitroaniline	ND		0.427	0.0550	mg/kg dry	☼	05/29/12 17:00	05/31/12 18:43	1.00
2-Nitrophenol	ND		0.427	0.0815	mg/kg dry	☼	05/29/12 17:00	05/31/12 18:43	1.00
3 & 4 Methylphenol	ND		0.427	0.0838	mg/kg dry	☼	05/29/12 17:00	05/31/12 18:43	1.00
3,3'-Dichlorobenzidine	ND		2.16	0.0692	mg/kg dry	☼	05/29/12 17:00	05/31/12 18:43	1.00
3-Nitroaniline	ND		0.427	0.0412	mg/kg dry	☼	05/29/12 17:00	05/31/12 18:43	1.00
4,6-Dinitro-2-methylphenol	ND		2.16	0.259	mg/kg dry	☼	05/29/12 17:00	05/31/12 18:43	1.00
4-Bromophenyl phenyl ether	ND		0.427	0.0391	mg/kg dry	☼	05/29/12 17:00	05/31/12 18:43	1.00
4-Chloro-3-methylphenol	ND		0.427	0.0682	mg/kg dry	☼	05/29/12 17:00	05/31/12 18:43	1.00
4-Chloroaniline	ND		0.427	0.0485	mg/kg dry	☼	05/29/12 17:00	05/31/12 18:43	1.00
4-Chlorophenyl phenyl ether	ND		0.427	0.0331	mg/kg dry	☼	05/29/12 17:00	05/31/12 18:43	1.00
4-Nitroaniline	ND		0.427	0.129	mg/kg dry	☼	05/29/12 17:00	05/31/12 18:43	1.00
4-Nitrophenol	ND		2.16	0.195	mg/kg dry	☼	05/29/12 17:00	05/31/12 18:43	1.00
Acenaphthene	ND		0.427	0.0449	mg/kg dry	☼	05/29/12 17:00	05/31/12 18:43	1.00
Acenaphthylene	ND		0.427	0.0424	mg/kg dry	☼	05/29/12 17:00	05/31/12 18:43	1.00
Anthracene	ND		0.427	0.0319	mg/kg dry	☼	05/29/12 17:00	05/31/12 18:43	1.00
Benzo[a]anthracene	ND		0.427	0.0257	mg/kg dry	☼	05/29/12 17:00	05/31/12 18:43	1.00
Benzo[a]pyrene	ND		0.427	0.0294	mg/kg dry	☼	05/29/12 17:00	05/31/12 18:43	1.00
Benzo[b]fluoranthene	ND		0.427	0.0675	mg/kg dry	☼	05/29/12 17:00	05/31/12 18:43	1.00
Benzo[g,h,i]perylene	ND		0.427	0.0347	mg/kg dry	☼	05/29/12 17:00	05/31/12 18:43	1.00
Benzo[k]fluoranthene	ND		0.427	0.0514	mg/kg dry	☼	05/29/12 17:00	05/31/12 18:43	1.00
Bis(2-chloroethoxy)methane	ND		0.427	0.0420	mg/kg dry	☼	05/29/12 17:00	05/31/12 18:43	1.00
Bis(2-chloroethyl)ether	ND		0.427	0.0443	mg/kg dry	☼	05/29/12 17:00	05/31/12 18:43	1.00
Bis(2-chloroisopropyl) ether	ND		0.427	0.0352	mg/kg dry	☼	05/29/12 17:00	05/31/12 18:43	1.00
Bis(2-ethylhexyl) phthalate	**0.0895**	**J**	0.427	0.0542	mg/kg dry	☼	05/29/12 17:00	05/31/12 18:43	1
Butyl benzyl phthalate	ND		0.427	0.0338	mg/kg dry	☼	05/29/12 17:00	05/31/12 18:43	1.00
Chrysene	ND		0.427	0.0293	mg/kg dry	☼	05/29/12 17:00	05/31/12 18:43	1.00

Client Sample ID: TMW-1 1

Date Collected: 05/16/12 08:25
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-19

Matrix: Solid
Percent Solids: 77.2

Method: 8270C - Acid and Base/Neutral Extractables by SW846 TRRP (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz[a,h]anthracene	ND		0.427	0.109	mg/kg dry	☼	05/29/12 17:00	05/31/12 18:43	1.00
Dibenzofuran	ND		0.427	0.0464	mg/kg dry	☼	05/29/12 17:00	05/31/12 18:43	1.00
Diethyl phthalate	ND		0.427	0.0278	mg/kg dry	☼	05/29/12 17:00	05/31/12 18:43	1.00
Dimethyl phthalate	ND		0.427	0.0308	mg/kg dry	☼	05/29/12 17:00	05/31/12 18:43	1.00
Di-n-butyl phthalate	ND		0.427	0.0318	mg/kg dry	☼	05/29/12 17:00	05/31/12 18:43	1.00
Di-n-octyl phthalate	ND		0.427	0.157	mg/kg dry	☼	05/29/12 17:00	05/31/12 18:43	1.00
Diphenylamine	ND		0.427	0.0294	mg/kg dry	☼	05/29/12 17:00	05/31/12 18:43	1.00
Fluoranthene	ND		0.427	0.0316	mg/kg dry	☼	05/29/12 17:00	05/31/12 18:43	1.00
Fluorene	ND		0.427	0.0299	mg/kg dry	☼	05/29/12 17:00	05/31/12 18:43	1.00
Hexachlorobenzene	ND		0.427	0.0363	mg/kg dry	☼	05/29/12 17:00	05/31/12 18:43	1.00
Hexachlorobutadiene	ND		0.427	0.0525	mg/kg dry	☼	05/29/12 17:00	05/31/12 18:43	1.00
Hexachlorocyclopentadiene	ND		2.16	0.219	mg/kg dry	☼	05/29/12 17:00	05/31/12 18:43	1.00
Hexachloroethane	ND		0.427	0.0557	mg/kg dry	☼	05/29/12 17:00	05/31/12 18:43	1.00
Isophorone	ND		0.427	0.0552	mg/kg dry	☼	05/29/12 17:00	05/31/12 18:43	1.00
Naphthalene	ND		0.427	0.0411	mg/kg dry	☼	05/29/12 17:00	05/31/12 18:43	1.00
Nitrobenzene	ND		0.427	0.0635	mg/kg dry	☼	05/29/12 17:00	05/31/12 18:43	1.00
N-Nitrosodi-n-propylamine	ND		0.427	0.0315	mg/kg dry	☼	05/29/12 17:00	05/31/12 18:43	1.00
N-Nitrosodiphenylamine	ND		0.427	0.0294	mg/kg dry	☼	05/29/12 17:00	05/31/12 18:43	1.00
Pentachloroethane	ND		0.427	0.0393	mg/kg dry	☼	05/29/12 17:00	05/31/12 18:43	1.00
Pentachlorophenol	ND		2.16	0.0652	mg/kg dry	☼	05/29/12 17:00	05/31/12 18:43	1.00
Phenanthrene	ND		0.427	0.0286	mg/kg dry	☼	05/29/12 17:00	05/31/12 18:43	1.00
Phenol	ND		0.427	0.0424	mg/kg dry	☼	05/29/12 17:00	05/31/12 18:43	1.00
Pyrene	ND		0.427	0.0302	mg/kg dry	☼	05/29/12 17:00	05/31/12 18:43	1.00
Pyridine	ND		0.427	0.0499	mg/kg dry	☼	05/29/12 17:00	05/31/12 18:43	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*56*		*42 - 136*	*05/29/12 17:00*	*05/31/12 18:43*	*1.00*
2-Fluorobiphenyl	*66*		*42 - 129*	*05/29/12 17:00*	*05/31/12 18:43*	*1.00*
2-Fluorophenol	*67*		*36 - 114*	*05/29/12 17:00*	*05/31/12 18:43*	*1.00*
Nitrobenzene-d5	*64*		*40 - 122*	*05/29/12 17:00*	*05/31/12 18:43*	*1.00*
Phenol-d5	*67*		*38 - 125*	*05/29/12 17:00*	*05/31/12 18:43*	*1.00*
Terphenyl-d14	*68*		*44 - 127*	*05/29/12 17:00*	*05/31/12 18:43*	*1.00*

Method: 6020 - Total Metals by SW846 Series Methods

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**4.29**		0.599	0.137	mg/kg dry	☼	05/31/12 10:35	05/31/12 17:18	5.00
Barium	**154**	**B**	5.99	0.0111	mg/kg dry	☼	05/31/12 10:35	05/31/12 17:18	5.00
Cadmium	**0.228**	**J**	0.599	0.0150	mg/kg dry	☼	05/31/12 10:35	05/31/12 17:18	5.00
Chromium	**23.7**		0.599	0.393	mg/kg dry	☼	05/31/12 10:35	05/31/12 17:18	5.00
Lead	**18.2**		0.599	0.0294	mg/kg dry	☼	05/31/12 10:35	05/31/12 17:18	5.00
Selenium	ND		0.599	0.223	mg/kg dry	☼	05/31/12 10:35	05/31/12 17:18	5.00
Silver	ND		0.599	0.144	mg/kg dry	☼	05/31/12 10:35	05/31/12 17:18	5.00

Method: 7471A - Total Metals by SW846 Series Methods

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0152**	**J**	0.129	0.00880	mg/kg dry	☼	05/31/12 11:15	05/31/12 15:38	1.00

Method: ASTM D2216-90 - General Chemistry Parameters

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Dry Weight	**77.2**		0.500		%		05/23/12 16:31	05/24/12 10:17	1.00

Client Sample Results

Client: TITAN Engineering, Inc.
Project/Site: 583-01

TestAmerica Job ID: AVE0225

Client Sample ID: TMW-1 1

Date Collected: 05/16/12 08:25
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-19

Matrix: Soli
Percent Solids: 77.

Method: SW846 9045C - General Chemistry Parameters

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	11.1		0.100		pH Units		05/30/12 13:44	05/30/12 15:00	1.00

Client Sample Results

Client: TITAN Engineering, Inc.
Project/Site: 583-01

TestAmerica Job ID: AVE0225

Client Sample ID: TMW-1 4.5
Date Collected: 05/16/12 08:30
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-20
Matrix: Solid
Percent Solids: 76.2

Method: 8260B - Volatile Organic Compounds by SW846 8260B

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.00648	0.00215	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:49	1.00
1,1,1-Trichloroethane	ND		0.00648	0.00168	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:49	1.00
1,1,2,2-Tetrachloroethane	ND		0.00648	0.00413	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:49	1.00
1,1,2-Trichloroethane	ND		0.00648	0.00287	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:49	1.00
1,1-Dichloroethane	ND		0.00648	0.000875	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:49	1.00
1,1-Dichloroethene	ND		0.00648	0.00112	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:49	1.00
1,2,4-Trimethylbenzene	ND		0.00648	0.00261	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:49	1.00
1,2-Dibromoethane (EDB)	ND		0.00648	0.00195	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:49	1.00
1,2-Dichlorobenzene	ND		0.00648	0.00317	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:49	1.00
1,2-Dichloroethane	ND		0.00648	0.00112	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:49	1.00
1,2-Dichloropropane	ND		0.00648	0.000883	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:49	1.00
1,3-Dichlorobenzene	ND		0.00648	0.00251	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:49	1.00
1,4-Dichlorobenzene	ND		0.00648	0.00245	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:49	1.00
2-Butanone (MEK)	**0.00599**	**J**	0.0130	0.00596	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:49	1.00
2-Hexanone	ND		0.0130	0.00445	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:49	1.00
4-Isopropyltoluene	ND		0.00648	0.00219	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:49	1.00
4-Methyl-2-pentanone (MIBK)	ND		0.0130	0.00331	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:49	1.00
Acetone	**0.0210**	**J**	0.0648	0.00617	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:49	1.00
Benzene	ND		0.00648	0.00101	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:49	1.00
Bromobenzene	ND		0.00648	0.00300	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:49	1.00
Bromochloromethane	ND		0.00648	0.00103	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:49	1.00
romodichloromethane	ND		0.00648	0.000886	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:49	1.00
Bromoethane	ND		0.0130	0.00146	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:49	1.00
Bromoform	ND		0.00648	0.00160	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:49	1.00
Bromomethane	ND		0.0130	0.00119	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:49	1.00
Carbon disulfide	ND		0.00648	0.00129	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:49	1.00
Carbon tetrachloride	ND		0.00648	0.00148	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:49	1.00
Chlorobenzene	ND		0.00648	0.00112	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:49	1.00
Chlorodibromomethane	ND		0.00648	0.00230	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:49	1.00
Chloroethane	ND		0.0130	0.00199	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:49	1.00
Chloroform	ND		0.00648	0.000946	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:49	1.00
Chloromethane	ND		0.0130	0.00391	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:49	1.00
cis-1,2-Dichloroethene	ND		0.00648	0.000823	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:49	1.00
cis-1,3-Dichloropropene	ND		0.00648	0.00169	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:49	1.00
Dibromomethane	ND		0.00648	0.00115	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:49	1.00
Dichlorodifluoromethane	ND		0.0259	0.0130	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:49	1.00
Ethylbenzene	ND		0.00648	0.00157	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:49	1.00
Hexachlorobutadiene	ND		0.00648	0.00235	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:49	1.00
Isopropylbenzene	ND		0.00648	0.00235	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:49	1.00
Methyl tert-Butyl Ether	ND		0.00648	0.00112	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:49	1.00
Methylene chloride	ND		0.00648	0.00137	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:49	1.00
n-Butylbenzene	ND		0.00648	0.00215	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:49	1.00
n-Propylbenzene	ND		0.00648	0.00237	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:49	1.00
sec-Butylbenzene	ND		0.00648	0.00273	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:49	1.00
Styrene	ND		0.00648	0.00213	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:49	1.00
tert-Butylbenzene	ND		0.00648	0.00246	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:49	1.00
Tetrachloroethene	ND		0.00648	0.00204	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:49	1.00
oluene	ND		0.00648	0.00129	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:49	1.00
trans-1,2-Dichloroethene	ND		0.00648	0.00110	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:49	1.00
trans-1,3-Dichloropropene	ND		0.00648	0.00214	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:49	1.00
Trichloroethene	ND		0.00648	0.00123	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:49	1.00

Client Sample ID: TMW-1 4.5

Date Collected: 05/16/12 08:30
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-20

Matrix: Soli
Percent Solids: 76.

Method: 8260B - Volatile Organic Compounds by SW846 8260B (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		0.0130	0.00134	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:49	1.00
Vinyl chloride	ND		0.00648	0.00191	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:49	1.00
Xylenes, total	ND		0.0194	0.00389	mg/kg dry	☼	05/23/12 13:08	05/23/12 18:49	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*113*		*67 - 127*	*05/23/12 13:08*	*05/23/12 18:49*	*1.00*
4-Bromofluorobenzene	*106*		*59 - 119*	*05/23/12 13:08*	*05/23/12 18:49*	*1.00*
Dibromofluoromethane	*97*		*69 - 129*	*05/23/12 13:08*	*05/23/12 18:49*	*1.00*
Toluene-d8	*100*		*76 - 136*	*05/23/12 13:08*	*05/23/12 18:49*	*1.00*

Method: 8270C - Acid and Base/Neutral Extractables by SW846 TRRP

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.432	0.0588	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:05	1.00
1,2-Diphenylhydrazine	ND		0.432	0.0552	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:05	1.00
2,4,5-Trichlorophenol	ND		0.432	0.0449	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:05	1.00
2,4,6-Trichlorophenol	ND		0.432	0.0575	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:05	1.00
2,4-Dichlorophenol	ND		0.432	0.0568	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:05	1.00
2,4-Dimethylphenol	ND		0.432	0.103	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:05	1.00
2,4-Dinitrophenol	ND		2.19	0.874	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:05	1.00
2,4-Dinitrotoluene	ND		0.432	0.206	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:05	1.00
2,6-Dinitrotoluene	ND		0.432	0.0537	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:05	1.00
2-Chloronaphthalene	ND		0.432	0.0410	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:05	1.00
2-Chlorophenol	ND		0.432	0.0382	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:05	1
2-Methylnaphthalene	ND		0.432	0.0421	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:05	1.00
2-Methylphenol	ND		0.432	0.0522	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:05	1.00
2-Nitroaniline	ND		0.432	0.0557	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:05	1.00
2-Nitrophenol	ND		0.432	0.0825	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:05	1.00
3 & 4 Methylphenol	ND		0.432	0.0849	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:05	1.00
3,3'-Dichlorobenzidine	ND		2.19	0.0701	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:05	1.00
3-Nitroaniline	ND		0.432	0.0418	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:05	1.00
4,6-Dinitro-2-methylphenol	ND		2.19	0.262	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:05	1.00
4-Bromophenyl phenyl ether	ND		0.432	0.0396	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:05	1.00
4-Chloro-3-methylphenol	ND		0.432	0.0691	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:05	1.00
4-Chloroaniline	ND		0.432	0.0491	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:05	1.00
4-Chlorophenyl phenyl ether	ND		0.432	0.0335	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:05	1.00
4-Nitroaniline	ND		0.432	0.131	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:05	1.00
4-Nitrophenol	ND		2.19	0.198	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:05	1.00
Acenaphthene	ND		0.432	0.0454	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:05	1.00
Acenaphthylene	ND		0.432	0.0429	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:05	1.00
Anthracene	ND		0.432	0.0323	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:05	1.00
Benzo[a]anthracene	ND		0.432	0.0260	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:05	1.00
Benzo[a]pyrene	ND		0.432	0.0298	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:05	1.00
Benzo[b]fluoranthene	ND		0.432	0.0684	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:05	1.00
Benzo[g,h,i]perylene	ND		0.432	0.0351	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:05	1.00
Benzo[k]fluoranthene	ND		0.432	0.0520	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:05	1.00
Bis(2-chloroethoxy)methane	ND		0.432	0.0426	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:05	1.00
Bis(2-chloroethyl)ether	ND		0.432	0.0449	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:05	1.00
Bis(2-chloroisopropyl) ether	ND		0.432	0.0357	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:05	1.00
Bis(2-ethylhexyl) phthalate	ND		0.432	0.0549	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:05	1
Butyl benzyl phthalate	ND		0.432	0.0342	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:05	1.00
Chrysene	ND		0.432	0.0296	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:05	1.00

Client Sample ID: TMW-1 4.5

Date Collected: 05/16/12 08:30
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-20

Matrix: Solid
Percent Solids: 76.2

Method: 8270C - Acid and Base/Neutral Extractables by SW846 TRRP (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz[a,h]anthracene	ND		0.432	0.110	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:05	1.00
Dibenzofuran	ND		0.432	0.0470	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:05	1.00
Diethyl phthalate	ND		0.432	0.0281	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:05	1.00
Dimethyl phthalate	ND		0.432	0.0312	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:05	1.00
Di-n-butyl phthalate	ND		0.432	0.0322	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:05	1.00
Di-n-octyl phthalate	ND		0.432	0.159	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:05	1.00
Diphenylamine	ND		0.432	0.0297	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:05	1.00
Fluoranthene	ND		0.432	0.0320	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:05	1.00
Fluorene	ND		0.432	0.0303	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:05	1.00
Hexachlorobenzene	ND		0.432	0.0367	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:05	1.00
Hexachlorobutadiene	ND		0.432	0.0531	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:05	1.00
Hexachlorocyclopentadiene	ND		2.19	0.221	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:05	1.00
Hexachloroethane	ND		0.432	0.0564	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:05	1.00
Isophorone	ND		0.432	0.0560	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:05	1.00
Naphthalene	ND		0.432	0.0417	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:05	1.00
Nitrobenzene	ND		0.432	0.0643	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:05	1.00
N-Nitrosodi-n-propylamine	ND		0.432	0.0319	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:05	1.00
N-Nitrosodiphenylamine	ND		0.432	0.0297	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:05	1.00
Pentachloroethane	ND		0.432	0.0398	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:05	1.00
Pentachlorophenol	ND		2.19	0.0660	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:05	1.00
Phenanthrene	ND		0.432	0.0290	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:05	1.00
Phenol	ND		0.432	0.0430	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:05	1.00
Pyrene	ND		0.432	0.0305	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:05	1.00
Pyridine	ND		0.432	0.0505	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:05	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*80*		*42 - 136*	*05/29/12 17:00*	*05/31/12 19:05*	*1.00*
2-Fluorobiphenyl	*74*		*42 - 129*	*05/29/12 17:00*	*05/31/12 19:05*	*1.00*
2-Fluorophenol	*74*		*36 - 114*	*05/29/12 17:00*	*05/31/12 19:05*	*1.00*
Nitrobenzene-d5	*70*		*40 - 122*	*05/29/12 17:00*	*05/31/12 19:05*	*1.00*
Phenol-d5	*74*		*38 - 125*	*05/29/12 17:00*	*05/31/12 19:05*	*1.00*
Terphenyl-d14	*78*		*44 - 127*	*05/29/12 17:00*	*05/31/12 19:05*	*1.00*

Method: 6020 - Total Metals by SW846 Series Methods

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**2.74**		0.586	0.134	mg/kg dry	☼	05/31/12 10:35	05/31/12 17:23	5.00
Barium	**143**	**B**	5.86	0.0109	mg/kg dry	☼	05/31/12 10:35	05/31/12 17:23	5.00
Cadmium	**0.195**	**J**	0.586	0.0146	mg/kg dry	☼	05/31/12 10:35	05/31/12 17:23	5.00
Chromium	**18.6**		0.586	0.384	mg/kg dry	☼	05/31/12 10:35	05/31/12 17:23	5.00
Lead	**16.0**		0.586	0.0287	mg/kg dry	☼	05/31/12 10:35	05/31/12 17:23	5.00
Selenium	**0.278**	**J**	0.586	0.218	mg/kg dry	☼	05/31/12 10:35	05/31/12 17:23	5.00
Silver	ND		0.586	0.141	mg/kg dry	☼	05/31/12 10:35	05/31/12 17:23	5.00

Method: 7471A - Total Metals by SW846 Series Methods

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.131	0.00892	mg/kg dry	☼	05/31/12 11:15	05/31/12 15:40	1.00

Method: ASTM D2216-90 - General Chemistry Parameters

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Dry Weight	**76.2**		0.500		%		05/23/12 16:31	05/24/12 10:19	1.00

Client Sample Results

Client: TITAN Engineering, Inc.
Project/Site: 583-01

TestAmerica Job ID: AVE0225

Client Sample ID: TMW-1 4.5

Date Collected: 05/16/12 08:30
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-20

Matrix: Sol
Percent Solids: 76.

Method: SW846 9045C - General Chemistry Parameters

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.40		0.100		pH Units		05/30/12 13:44	05/30/12 15:00	1.00

Client Sample Results

Client: TITAN Engineering, Inc.
Project/Site: 583-01

TestAmerica Job ID: AVE0225

Client Sample ID: TMW-2 0.5
Date Collected: 05/16/12 10:00
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-21
Matrix: Solid
Percent Solids: 82.3

Method: 8260B - Volatile Organic Compounds by SW846 8260B

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.00602	0.00200	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:13	1.00
1,1,1-Trichloroethane	ND		0.00602	0.00156	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:13	1.00
1,1,2,2-Tetrachloroethane	ND		0.00602	0.00383	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:13	1.00
1,1,2-Trichloroethane	ND		0.00602	0.00267	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:13	1.00
1,1-Dichloroethane	ND		0.00602	0.000812	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:13	1.00
1,1-Dichloroethene	ND		0.00602	0.00104	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:13	1.00
1,2,4-Trimethylbenzene	ND		0.00602	0.00242	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:13	1.00
1,2-Dibromoethane (EDB)	ND		0.00602	0.00181	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:13	1.00
1,2-Dichlorobenzene	ND		0.00602	0.00294	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:13	1.00
1,2-Dichloroethane	ND		0.00602	0.00104	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:13	1.00
1,2-Dichloropropane	ND		0.00602	0.000820	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:13	1.00
1,3-Dichlorobenzene	ND		0.00602	0.00233	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:13	1.00
1,4-Dichlorobenzene	ND		0.00602	0.00227	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:13	1.00
2-Butanone (MEK)	ND		0.0120	0.00553	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:13	1.00
2-Hexanone	ND		0.0120	0.00413	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:13	1.00
4-Isopropyltoluene	ND		0.00602	0.00203	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:13	1.00
4-Methyl-2-pentanone (MIBK)	ND		0.0120	0.00308	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:13	1.00
Acetone	**0.0134**	**J**	0.0602	0.00573	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:13	1.00
Benzene	ND		0.00602	0.000939	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:13	1.00
Bromobenzene	ND		0.00602	0.00278	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:13	1.00
Bromochloromethane	ND		0.00602	0.000959	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:13	1.00
Bromodichloromethane	ND		0.00602	0.000822	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:13	1.00
Bromoethane	ND		0.0120	0.00135	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:13	1.00
Bromoform	ND		0.00602	0.00149	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:13	1.00
Bromomethane	ND		0.0120	0.00111	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:13	1.00
Carbon disulfide	ND		0.00602	0.00120	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:13	1.00
Carbon tetrachloride	ND		0.00602	0.00137	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:13	1.00
Chlorobenzene	ND		0.00602	0.00104	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:13	1.00
Chlorodibromomethane	ND		0.00602	0.00214	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:13	1.00
Chloroethane	ND		0.0120	0.00185	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:13	1.00
Chloroform	ND		0.00602	0.000879	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:13	1.00
Chloromethane	ND		0.0120	0.00363	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:13	1.00
cis-1,2-Dichloroethene	ND		0.00602	0.000764	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:13	1.00
cis-1,3-Dichloropropene	ND		0.00602	0.00157	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:13	1.00
Dibromomethane	ND		0.00602	0.00107	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:13	1.00
Dichlorodifluoromethane	ND		0.0241	0.0120	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:13	1.00
Ethylbenzene	ND		0.00602	0.00146	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:13	1.00
Hexachlorobutadiene	ND		0.00602	0.00219	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:13	1.00
Isopropylbenzene	ND		0.00602	0.00218	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:13	1.00
Methyl tert-Butyl Ether	ND		0.00602	0.00104	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:13	1.00
Methylene chloride	ND		0.00602	0.00127	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:13	1.00
n-Butylbenzene	ND		0.00602	0.00199	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:13	1.00
n-Propylbenzene	ND		0.00602	0.00220	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:13	1.00
sec-Butylbenzene	ND		0.00602	0.00253	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:13	1.00
Styrene	ND		0.00602	0.00198	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:13	1.00
tert-Butylbenzene	ND		0.00602	0.00228	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:13	1.00
Tetrachloroethene	ND		0.00602	0.00190	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:13	1.00
Toluene	ND		0.00602	0.00119	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:13	1.00
trans-1,2-Dichloroethene	ND		0.00602	0.00102	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:13	1.00
trans-1,3-Dichloropropene	ND		0.00602	0.00199	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:13	1.00
Trichloroethene	ND		0.00602	0.00114	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:13	1.00

Client Sample ID: TMW-2 0.5

Date Collected: 05/16/12 10:00
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-21

Matrix: Sol
Percent Solids: 82.

Method: 8260B - Volatile Organic Compounds by SW846 8260B (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		0.0120	0.00125	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:13	1.00
Vinyl chloride	ND		0.00602	0.00177	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:13	1.00
Xylenes, total	ND		0.0181	0.00361	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:13	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*117*		*67 - 127*	*05/23/12 13:08*	*05/23/12 19:13*	*1.00*
4-Bromofluorobenzene	*106*		*59 - 119*	*05/23/12 13:08*	*05/23/12 19:13*	*1.00*
Dibromofluoromethane	*99*		*69 - 129*	*05/23/12 13:08*	*05/23/12 19:13*	*1.00*
Toluene-d8	*99*		*76 - 136*	*05/23/12 13:08*	*05/23/12 19:13*	*1.00*

Method: 8270C - Acid and Base/Neutral Extractables by SW846 TRRP

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.401	0.0545	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:27	1.00
1,2-Diphenylhydrazine	ND		0.401	0.0512	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:27	1.00
2,4,5-Trichlorophenol	ND		0.401	0.0416	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:27	1.00
2,4,6-Trichlorophenol	ND		0.401	0.0533	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:27	1.00
2,4-Dichlorophenol	ND		0.401	0.0527	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:27	1.00
2,4-Dimethylphenol	ND		0.401	0.0954	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:27	1.00
2,4-Dinitrophenol	ND		2.03	0.810	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:27	1.00
2,4-Dinitrotoluene	ND		0.401	0.191	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:27	1.00
2,6-Dinitrotoluene	ND		0.401	0.0497	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:27	1.00
2-Chloronaphthalene	ND		0.401	0.0380	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:27	1.00
2-Chlorophenol	ND		0.401	0.0354	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:27	1
2-Methylnaphthalene	ND		0.401	0.0390	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:27	1.00
2-Methylphenol	ND		0.401	0.0484	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:27	1.00
2-Nitroaniline	ND		0.401	0.0516	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:27	1.00
2-Nitrophenol	ND		0.401	0.0765	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:27	1.00
3 & 4 Methylphenol	ND		0.401	0.0787	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:27	1.00
3,3'-Dichlorobenzidine	ND		2.03	0.0650	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:27	1.00
3-Nitroaniline	ND		0.401	0.0387	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:27	1.00
4,6-Dinitro-2-methylphenol	ND		2.03	0.243	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:27	1.00
4-Bromophenyl phenyl ether	ND		0.401	0.0367	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:27	1.00
4-Chloro-3-methylphenol	ND		0.401	0.0640	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:27	1.00
4-Chloroaniline	ND		0.401	0.0455	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:27	1.00
4-Chlorophenyl phenyl ether	ND		0.401	0.0310	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:27	1.00
4-Nitroaniline	ND		0.401	0.121	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:27	1.00
4-Nitrophenol	ND		2.03	0.183	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:27	1.00
Acenaphthene	ND		0.401	0.0421	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:27	1.00
Acenaphthylene	ND		0.401	0.0398	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:27	1.00
Anthracene	ND		0.401	0.0299	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:27	1.00
Benzo[a]anthracene	ND		0.401	0.0241	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:27	1.00
Benzo[a]pyrene	ND		0.401	0.0276	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:27	1.00
Benzo[b]fluoranthene	ND		0.401	0.0634	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:27	1.00
Benzo[g,h,i]perylene	ND		0.401	0.0326	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:27	1.00
Benzo[k]fluoranthene	ND		0.401	0.0482	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:27	1.00
Bis(2-chloroethoxy)methane	ND		0.401	0.0395	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:27	1.00
Bis(2-chloroethyl)ether	ND		0.401	0.0416	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:27	1.00
Bis(2-chloroisopropyl) ether	ND		0.401	0.0330	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:27	1.00
Bis(2-ethylhexyl) phthalate	**0.0557**	**J**	0.401	0.0509	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:27	1
Butyl benzyl phthalate	ND		0.401	0.0317	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:27	1.00
Chrysene	ND		0.401	0.0275	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:27	1.00

Client Sample ID: TMW-2 0.5

Date Collected: 05/16/12 10:00
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-21

Matrix: Solid
Percent Solids: 82.3

Method: 8270C - Acid and Base/Neutral Extractables by SW846 TRRP (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz[a,h]anthracene	ND		0.401	0.102	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:27	1.00
Dibenzofuran	ND		0.401	0.0435	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:27	1.00
Diethyl phthalate	ND		0.401	0.0261	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:27	1.00
Dimethyl phthalate	ND		0.401	0.0289	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:27	1.00
Di-n-butyl phthalate	ND		0.401	0.0298	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:27	1.00
Di-n-octyl phthalate	ND		0.401	0.147	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:27	1.00
Diphenylamine	ND		0.401	0.0276	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:27	1.00
Fluoranthene	ND		0.401	0.0296	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:27	1.00
Fluorene	ND		0.401	0.0280	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:27	1.00
Hexachlorobenzene	ND		0.401	0.0340	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:27	1.00
Hexachlorobutadiene	ND		0.401	0.0493	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:27	1.00
Hexachlorocyclopentadiene	ND		2.03	0.205	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:27	1.00
Hexachloroethane	ND		0.401	0.0522	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:27	1.00
Isophorone	ND		0.401	0.0519	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:27	1.00
Naphthalene	ND		0.401	0.0386	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:27	1.00
Nitrobenzene	ND		0.401	0.0596	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:27	1.00
N-Nitrosodi-n-propylamine	ND		0.401	0.0295	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:27	1.00
N-Nitrosodiphenylamine	ND		0.401	0.0276	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:27	1.00
Pentachloroethane	ND		0.401	0.0369	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:27	1.00
Pentachlorophenol	ND		2.03	0.0612	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:27	1.00
Phenanthrene	ND		0.401	0.0269	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:27	1.00
Phenol	ND		0.401	0.0398	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:27	1.00
Pyrene	ND		0.401	0.0283	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:27	1.00
Pyridine	ND		0.401	0.0468	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:27	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*75*		*42 - 136*	*05/29/12 17:00*	*05/31/12 19:27*	*1.00*
2-Fluorobiphenyl	*71*		*42 - 129*	*05/29/12 17:00*	*05/31/12 19:27*	*1.00*
2-Fluorophenol	*71*		*36 - 114*	*05/29/12 17:00*	*05/31/12 19:27*	*1.00*
Nitrobenzene-d5	*68*		*40 - 122*	*05/29/12 17:00*	*05/31/12 19:27*	*1.00*
Phenol-d5	*70*		*38 - 125*	*05/29/12 17:00*	*05/31/12 19:27*	*1.00*
Terphenyl-d14	*76*		*44 - 127*	*05/29/12 17:00*	*05/31/12 19:27*	*1.00*

Method: 6020 - Total Metals by SW846 Series Methods

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**2.34**		0.558	0.127	mg/kg dry	☼	05/31/12 10:35	05/31/12 17:28	5.00
Barium	**109**	**B**	5.58	0.0104	mg/kg dry	☼	05/31/12 10:35	05/31/12 17:28	5.00
Cadmium	**0.199**	**J**	0.558	0.0139	mg/kg dry	☼	05/31/12 10:35	05/31/12 17:28	5.00
Chromium	**15.7**		0.558	0.366	mg/kg dry	☼	05/31/12 10:35	05/31/12 17:28	5.00
Lead	**15.4**		0.558	0.0273	mg/kg dry	☼	05/31/12 10:35	05/31/12 17:28	5.00
Selenium	**0.327**	**J**	0.558	0.207	mg/kg dry	☼	05/31/12 10:35	05/31/12 17:28	5.00
Silver	ND		0.558	0.134	mg/kg dry	☼	05/31/12 10:35	05/31/12 17:28	5.00

Method: 7471A - Total Metals by SW846 Series Methods

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0131**	**J**	0.118	0.00800	mg/kg dry	☼	05/31/12 11:15	05/31/12 15:41	1.00

Method: ASTM D2216-90 - General Chemistry Parameters

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Dry Weight	**82.3**		0.500		%		05/23/12 16:31	05/24/12 10:21	1.00

Client Sample Results

Client: TITAN Engineering, Inc.
Project/Site: 583-01

TestAmerica Job ID: AVE0225

Client Sample ID: TMW-2 0.5

Date Collected: 05/16/12 10:00
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-21

Matrix: Soli
Percent Solids: 82.

Method: SW846 9045C - General Chemistry Parameters

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.32		0.100		pH Units		05/30/12 13:44	05/30/12 15:00	1.00

Client Sample Results

Client: TITAN Engineering, Inc.
Project/Site: 583-01

TestAmerica Job ID: AVE0225

Client Sample ID: TMW-2 4.5
Date Collected: 05/16/12 10:05
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-22
Matrix: Solid
Percent Solids: 83.3

Method: 8260B - Volatile Organic Compounds by SW846 8260B

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.00598	0.00199	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:36	1.00
1,1,1-Trichloroethane	ND		0.00598	0.00155	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:36	1.00
1,1,2,2-Tetrachloroethane	ND		0.00598	0.00381	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:36	1.00
1,1,2-Trichloroethane	ND		0.00598	0.00265	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:36	1.00
1,1-Dichloroethane	ND		0.00598	0.000807	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:36	1.00
1,1-Dichloroethene	ND		0.00598	0.00103	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:36	1.00
1,2,4-Trimethylbenzene	ND		0.00598	0.00240	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:36	1.00
1,2-Dibromoethane (EDB)	ND		0.00598	0.00180	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:36	1.00
1,2-Dichlorobenzene	ND		0.00598	0.00292	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:36	1.00
1,2-Dichloroethane	ND		0.00598	0.00103	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:36	1.00
1,2-Dichloropropane	ND		0.00598	0.000814	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:36	1.00
1,3-Dichlorobenzene	ND		0.00598	0.00232	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:36	1.00
1,4-Dichlorobenzene	ND		0.00598	0.00226	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:36	1.00
2-Butanone (MEK)	ND		0.0120	0.00550	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:36	1.00
2-Hexanone	ND		0.0120	0.00410	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:36	1.00
4-Isopropyltoluene	ND		0.00598	0.00202	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:36	1.00
4-Methyl-2-pentanone (MIBK)	ND		0.0120	0.00305	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:36	1.00
Acetone	ND		0.0598	0.00569	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:36	1.00
Benzene	ND		0.00598	0.000933	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:36	1.00
Bromobenzene	ND		0.00598	0.00276	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:36	1.00
Bromochloromethane	ND		0.00598	0.000953	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:36	1.00
Bromodichloromethane	ND		0.00598	0.000817	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:36	1.00
Bromoethane	ND		0.0120	0.00134	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:36	1.00
Bromoform	ND		0.00598	0.00148	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:36	1.00
Bromomethane	ND		0.0120	0.00110	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:36	1.00
Carbon disulfide	ND		0.00598	0.00119	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:36	1.00
Carbon tetrachloride	ND		0.00598	0.00136	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:36	1.00
Chlorobenzene	ND		0.00598	0.00103	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:36	1.00
Chlorodibromomethane	ND		0.00598	0.00212	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:36	1.00
Chloroethane	ND		0.0120	0.00183	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:36	1.00
Chloroform	ND		0.00598	0.000873	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:36	1.00
Chloromethane	ND		0.0120	0.00361	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:36	1.00
cis-1,2-Dichloroethene	ND		0.00598	0.000759	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:36	1.00
cis-1,3-Dichloropropene	ND		0.00598	0.00156	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:36	1.00
Dibromomethane	ND		0.00598	0.00106	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:36	1.00
Dichlorodifluoromethane	ND		0.0239	0.0120	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:36	1.00
Ethylbenzene	ND		0.00598	0.00145	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:36	1.00
Hexachlorobutadiene	ND		0.00598	0.00217	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:36	1.00
Isopropylbenzene	ND		0.00598	0.00217	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:36	1.00
Methyl tert-Butyl Ether	ND		0.00598	0.00103	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:36	1.00
Methylene chloride	ND		0.00598	0.00127	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:36	1.00
n-Butylbenzene	ND		0.00598	0.00198	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:36	1.00
n-Propylbenzene	ND		0.00598	0.00219	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:36	1.00
sec-Butylbenzene	ND		0.00598	0.00252	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:36	1.00
Styrene	ND		0.00598	0.00196	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:36	1.00
tert-Butylbenzene	ND		0.00598	0.00227	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:36	1.00
Tetrachloroethene	ND		0.00598	0.00188	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:36	1.00
Toluene	ND		0.00598	0.00119	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:36	1.00
trans-1,2-Dichloroethene	ND		0.00598	0.00102	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:36	1.00
trans-1,3-Dichloropropene	ND		0.00598	0.00197	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:36	1.00
Trichloroethene	ND		0.00598	0.00113	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:36	1.00

Client Sample ID: TMW-2 4.5

Date Collected: 05/16/12 10:05
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-22

Matrix: Sol
Percent Solids: 83.

Method: 8260B - Volatile Organic Compounds by SW846 8260B (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		0.0120	0.00124	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:36	1.00
Vinyl chloride	ND		0.00598	0.00176	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:36	1.00
Xylenes, total	ND		0.0179	0.00359	mg/kg dry	☼	05/23/12 13:08	05/23/12 19:36	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*102*		*67 - 127*	*05/23/12 13:08*	*05/23/12 19:36*	*1.00*
4-Bromofluorobenzene	*100*		*59 - 119*	*05/23/12 13:08*	*05/23/12 19:36*	*1.00*
Dibromofluoromethane	*95*		*69 - 129*	*05/23/12 13:08*	*05/23/12 19:36*	*1.00*
Toluene-d8	*97*		*76 - 136*	*05/23/12 13:08*	*05/23/12 19:36*	*1.00*

Method: 8270C - Acid and Base/Neutral Extractables by SW846 TRRP

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.396	0.0539	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:49	1.00
1,2-Diphenylhydrazine	ND		0.396	0.0506	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:49	1.00
2,4,5-Trichlorophenol	ND		0.396	0.0411	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:49	1.00
2,4,6-Trichlorophenol	ND		0.396	0.0527	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:49	1.00
2,4-Dichlorophenol	ND		0.396	0.0520	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:49	1.00
2,4-Dimethylphenol	ND		0.396	0.0943	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:49	1.00
2,4-Dinitrophenol	ND		2.00	0.800	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:49	1.00
2,4-Dinitrotoluene	ND		0.396	0.189	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:49	1.00
2,6-Dinitrotoluene	ND		0.396	0.0492	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:49	1.00
2-Chloronaphthalene	ND		0.396	0.0376	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:49	1.00
2-Chlorophenol	ND		0.396	0.0350	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:49	1
2-Methylnaphthalene	ND		0.396	0.0385	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:49	1.00
2-Methylphenol	ND		0.396	0.0478	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:49	1.00
2-Nitroaniline	ND		0.396	0.0510	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:49	1.00
2-Nitrophenol	ND		0.396	0.0756	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:49	1.00
3 & 4 Methylphenol	ND		0.396	0.0777	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:49	1.00
3,3'-Dichlorobenzidine	ND		2.00	0.0642	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:49	1.00
3-Nitroaniline	ND		0.396	0.0383	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:49	1.00
4,6-Dinitro-2-methylphenol	ND		2.00	0.240	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:49	1.00
4-Bromophenyl phenyl ether	ND		0.396	0.0362	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:49	1.00
4-Chloro-3-methylphenol	ND		0.396	0.0633	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:49	1.00
4-Chloroaniline	ND		0.396	0.0450	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:49	1.00
4-Chlorophenyl phenyl ether	ND		0.396	0.0307	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:49	1.00
4-Nitroaniline	ND		0.396	0.120	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:49	1.00
4-Nitrophenol	ND		2.00	0.181	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:49	1.00
Acenaphthene	ND		0.396	0.0416	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:49	1.00
Acenaphthylene	ND		0.396	0.0393	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:49	1.00
Anthracene	ND		0.396	0.0296	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:49	1.00
Benzo[a]anthracene	ND		0.396	0.0239	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:49	1.00
Benzo[a]pyrene	ND		0.396	0.0273	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:49	1.00
Benzo[b]fluoranthene	ND		0.396	0.0626	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:49	1.00
Benzo[g,h,i]perylene	ND		0.396	0.0322	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:49	1.00
Benzo[k]fluoranthene	ND		0.396	0.0477	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:49	1.00
Bis(2-chloroethoxy)methane	ND		0.396	0.0390	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:49	1.00
Bis(2-chloroethyl)ether	ND		0.396	0.0411	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:49	1.00
Bis(2-chloroisopropyl) ether	ND		0.396	0.0327	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:49	1.00
Bis(2-ethylhexyl) phthalate	ND		0.396	0.0503	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:49	1
Butyl benzyl phthalate	ND		0.396	0.0313	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:49	1.00
Chrysene	ND		0.396	0.0271	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:49	1.00

Client Sample ID: TMW-2 4.5

Date Collected: 05/16/12 10:05
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-22

Matrix: Solid
Percent Solids: 83.3

Method: 8270C - Acid and Base/Neutral Extractables by SW846 TRRP (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz[a,h]anthracene	ND		0.396	0.101	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:49	1.00
Dibenzofuran	ND		0.396	0.0430	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:49	1.00
Diethyl phthalate	ND		0.396	0.0258	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:49	1.00
Dimethyl phthalate	ND		0.396	0.0286	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:49	1.00
Di-n-butyl phthalate	ND		0.396	0.0295	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:49	1.00
Di-n-octyl phthalate	ND		0.396	0.145	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:49	1.00
Diphenylamine	ND		0.396	0.0272	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:49	1.00
Fluoranthene	ND		0.396	0.0293	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:49	1.00
Fluorene	ND		0.396	0.0277	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:49	1.00
Hexachlorobenzene	ND		0.396	0.0336	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:49	1.00
Hexachlorobutadiene	ND		0.396	0.0487	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:49	1.00
Hexachlorocyclopentadiene	ND		2.00	0.203	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:49	1.00
Hexachloroethane	ND		0.396	0.0516	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:49	1.00
Isophorone	ND		0.396	0.0512	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:49	1.00
Naphthalene	ND		0.396	0.0381	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:49	1.00
Nitrobenzene	ND		0.396	0.0589	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:49	1.00
N-Nitrosodi-n-propylamine	ND		0.396	0.0292	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:49	1.00
N-Nitrosodiphenylamine	ND		0.396	0.0272	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:49	1.00
Pentachloroethane	ND		0.396	0.0364	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:49	1.00
Pentachlorophenol	ND		2.00	0.0605	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:49	1.00
Phenanthrene	ND		0.396	0.0265	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:49	1.00
Phenol	ND		0.396	0.0393	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:49	1.00
Pyrene	ND		0.396	0.0280	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:49	1.00
Pyridine	ND		0.396	0.0463	mg/kg dry	☼	05/29/12 17:00	05/31/12 19:49	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*84*		*42 - 136*	*05/29/12 17:00*	*05/31/12 19:49*	*1.00*
2-Fluorobiphenyl	*75*		*42 - 129*	*05/29/12 17:00*	*05/31/12 19:49*	*1.00*
2-Fluorophenol	*75*		*36 - 114*	*05/29/12 17:00*	*05/31/12 19:49*	*1.00*
Nitrobenzene-d5	*70*		*40 - 122*	*05/29/12 17:00*	*05/31/12 19:49*	*1.00*
Phenol-d5	*73*		*38 - 125*	*05/29/12 17:00*	*05/31/12 19:49*	*1.00*
Terphenyl-d14	*74*		*44 - 127*	*05/29/12 17:00*	*05/31/12 19:49*	*1.00*

Method: 6020 - Total Metals by SW846 Series Methods

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**3.74**		0.600	0.137	mg/kg dry	☼	05/31/12 10:35	05/31/12 17:43	5.00
Barium	**241**	**B**	6.00	0.0112	mg/kg dry	☼	05/31/12 10:35	05/31/12 17:43	5.00
Cadmium	**0.289**	**J**	0.600	0.0150	mg/kg dry	☼	05/31/12 10:35	05/31/12 17:43	5.00
Chromium	**9.28**		0.600	0.394	mg/kg dry	☼	05/31/12 10:35	05/31/12 17:43	5.00
Lead	**9.06**		0.600	0.0294	mg/kg dry	☼	05/31/12 10:35	05/31/12 17:43	5.00
Selenium	ND		0.600	0.223	mg/kg dry	☼	05/31/12 10:35	05/31/12 17:43	5.00
Silver	ND		0.600	0.144	mg/kg dry	☼	05/31/12 10:35	05/31/12 17:43	5.00

Method: 7471A - Total Metals by SW846 Series Methods

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.120	0.00816	mg/kg dry	☼	05/31/12 11:15	05/31/12 15:42	1.00

Method: ASTM D2216-90 - General Chemistry Parameters

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Dry Weight	**83.3**		0.500		%		05/23/12 16:31	05/24/12 10:23	1.00

Client Sample Results

Client: TITAN Engineering, Inc.
Project/Site: 583-01

TestAmerica Job ID: AVE0225

Client Sample ID: TMW-2 4.5

Date Collected: 05/16/12 10:05
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-22

Matrix: Soli
Percent Solids: 83.

Method: SW846 9045C - General Chemistry Parameters

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.61		0.100		pH Units		05/30/12 13:44	05/30/12 15:00	1.00

Client Sample Results

Client: TITAN Engineering, Inc.
Project/Site: 583-01

TestAmerica Job ID: AVE0225

Client Sample ID: TMW-3 1

Date Collected: 05/16/12 11:00
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-23

Matrix: Solid
Percent Solids: 85.1

Method: 8260B - Volatile Organic Compounds by SW846 8260B

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.00579	0.00192	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:01	1.00
1,1,1-Trichloroethane	ND		0.00579	0.00150	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:01	1.00
1,1,2,2-Tetrachloroethane	ND		0.00579	0.00369	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:01	1.00
1,1,2-Trichloroethane	ND		0.00579	0.00257	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:01	1.00
1,1-Dichloroethane	ND		0.00579	0.000781	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:01	1.00
1,1-Dichloroethene	ND		0.00579	0.000998	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:01	1.00
1,2,4-Trimethylbenzene	ND		0.00579	0.00233	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:01	1.00
1,2-Dibromoethane (EDB)	ND		0.00579	0.00174	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:01	1.00
1,2-Dichlorobenzene	ND		0.00579	0.00283	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:01	1.00
1,2-Dichloroethane	ND		0.00579	0.000996	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:01	1.00
1,2-Dichloropropane	ND		0.00579	0.000788	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:01	1.00
1,3-Dichlorobenzene	ND		0.00579	0.00224	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:01	1.00
1,4-Dichlorobenzene	ND		0.00579	0.00218	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:01	1.00
2-Butanone (MEK)	ND		0.0116	0.00532	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:01	1.00
2-Hexanone	ND		0.0116	0.00397	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:01	1.00
4-Isopropyltoluene	ND		0.00579	0.00196	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:01	1.00
4-Methyl-2-pentanone (MIBK)	ND		0.0116	0.00296	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:01	1.00
Acetone	ND		0.0579	0.00551	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:01	1.00
Benzene	ND		0.00579	0.000903	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:01	1.00
Bromobenzene	ND		0.00579	0.00267	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:01	1.00
Bromochloromethane	ND		0.00579	0.000922	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:01	1.00
Bromodichloromethane	ND		0.00579	0.000790	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:01	1.00
Bromoethane	ND		0.0116	0.00130	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:01	1.00
Bromoform	ND		0.00579	0.00143	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:01	1.00
Bromomethane	ND		0.0116	0.00107	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:01	1.00
Carbon disulfide	ND		0.00579	0.00115	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:01	1.00
Carbon tetrachloride	ND		0.00579	0.00132	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:01	1.00
Chlorobenzene	ND		0.00579	0.000999	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:01	1.00
Chlorodibromomethane	ND		0.00579	0.00206	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:01	1.00
Chloroethane	ND		0.0116	0.00177	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:01	1.00
Chloroform	ND		0.00579	0.000845	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:01	1.00
Chloromethane	ND		0.0116	0.00349	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:01	1.00
cis-1,2-Dichloroethene	ND		0.00579	0.000735	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:01	1.00
cis-1,3-Dichloropropene	ND		0.00579	0.00151	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:01	1.00
Dibromomethane	ND		0.00579	0.00103	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:01	1.00
Dichlorodifluoromethane	ND		0.0231	0.0116	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:01	1.00
Ethylbenzene	ND		0.00579	0.00140	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:01	1.00
Hexachlorobutadiene	ND		0.00579	0.00210	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:01	1.00
Isopropylbenzene	ND		0.00579	0.00210	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:01	1.00
Methyl tert-Butyl Ether	ND		0.00579	0.00100	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:01	1.00
Methylene chloride	ND		0.00579	0.00123	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:01	1.00
n-Butylbenzene	ND		0.00579	0.00192	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:01	1.00
n-Propylbenzene	ND		0.00579	0.00212	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:01	1.00
sec-Butylbenzene	ND		0.00579	0.00244	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:01	1.00
Styrene	ND		0.00579	0.00190	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:01	1.00
tert-Butylbenzene	ND		0.00579	0.00220	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:01	1.00
Tetrachloroethene	ND		0.00579	0.00182	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:01	1.00
Toluene	ND		0.00579	0.00115	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:01	1.00
trans-1,2-Dichloroethene	ND		0.00579	0.000982	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:01	1.00
trans-1,3-Dichloropropene	ND		0.00579	0.00191	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:01	1.00
Trichloroethene	ND		0.00579	0.00109	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:01	1.00

Client Sample ID: TMW-3 1

Date Collected: 05/16/12 11:00
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-23

Matrix: Soli
Percent Solids: 85.

Method: 8260B - Volatile Organic Compounds by SW846 8260B (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		0.0116	0.00120	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:01	1.00
Vinyl chloride	ND		0.00579	0.00170	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:01	1.00
Xylenes, total	ND		0.0174	0.00347	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:01	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*106*		*67 - 127*	*05/23/12 13:08*	*05/23/12 20:01*	*1.00*
4-Bromofluorobenzene	*104*		*59 - 119*	*05/23/12 13:08*	*05/23/12 20:01*	*1.00*
Dibromofluoromethane	*97*		*69 - 129*	*05/23/12 13:08*	*05/23/12 20:01*	*1.00*
Toluene-d8	*99*		*76 - 136*	*05/23/12 13:08*	*05/23/12 20:01*	*1.00*

Method: 8270C - Acid and Base/Neutral Extractables by SW846 TRRP

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.388	0.0528	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:11	1.00
1,2-Diphenylhydrazine	ND		0.388	0.0495	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:11	1.00
2,4,5-Trichlorophenol	ND		0.388	0.0403	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:11	1.00
2,4,6-Trichlorophenol	ND		0.388	0.0516	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:11	1.00
2,4-Dichlorophenol	ND		0.388	0.0510	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:11	1.00
2,4-Dimethylphenol	ND		0.388	0.0924	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:11	1.00
2,4-Dinitrophenol	ND		1.96	0.784	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:11	1.00
2,4-Dinitrotoluene	ND		0.388	0.185	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:11	1.00
2,6-Dinitrotoluene	ND		0.388	0.0481	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:11	1.00
2-Chloronaphthalene	ND		0.388	0.0368	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:11	1.00
2-Chlorophenol	ND		0.388	0.0342	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:11	1
2-Methylnaphthalene	ND		0.388	0.0378	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:11	1.00
2-Methylphenol	ND		0.388	0.0468	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:11	1.00
2-Nitroaniline	ND		0.388	0.0499	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:11	1.00
2-Nitrophenol	ND		0.388	0.0740	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:11	1.00
3 & 4 Methylphenol	ND		0.388	0.0761	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:11	1.00
3,3'-Dichlorobenzidine	ND		1.96	0.0629	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:11	1.00
3-Nitroaniline	ND		0.388	0.0375	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:11	1.00
4,6-Dinitro-2-methylphenol	ND		1.96	0.235	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:11	1.00
4-Bromophenyl phenyl ether	ND		0.388	0.0355	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:11	1.00
4-Chloro-3-methylphenol	ND		0.388	0.0620	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:11	1.00
4-Chloroaniline	ND		0.388	0.0441	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:11	1.00
4-Chlorophenyl phenyl ether	ND		0.388	0.0300	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:11	1.00
4-Nitroaniline	ND		0.388	0.118	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:11	1.00
4-Nitrophenol	ND		1.96	0.177	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:11	1.00
Acenaphthene	ND		0.388	0.0408	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:11	1.00
Acenaphthylene	ND		0.388	0.0385	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:11	1.00
Anthracene	ND		0.388	0.0290	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:11	1.00
Benzo[a]anthracene	ND		0.388	0.0234	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:11	1.00
Benzo[a]pyrene	ND		0.388	0.0267	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:11	1.00
Benzo[b]fluoranthene	ND		0.388	0.0613	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:11	1.00
Benzo[g,h,i]perylene	ND		0.388	0.0315	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:11	1.00
Benzo[k]fluoranthene	ND		0.388	0.0467	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:11	1.00
Bis(2-chloroethoxy)methane	ND		0.388	0.0382	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:11	1.00
Bis(2-chloroethyl)ether	ND		0.388	0.0403	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:11	1.00
Bis(2-chloroisopropyl) ether	ND		0.388	0.0320	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:11	1.00
Bis(2-ethylhexyl) phthalate	ND		0.388	0.0492	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:11	1
Butyl benzyl phthalate	ND		0.388	0.0307	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:11	1.00
Chrysene	ND		0.388	0.0266	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:11	1.00

Client Sample ID: TMW-3 1

Date Collected: 05/16/12 11:00
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-23

Matrix: Solid
Percent Solids: 85.1

Method: 8270C - Acid and Base/Neutral Extractables by SW846 TRRP (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz[a,h]anthracene	ND		0.388	0.0987	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:11	1.00
Dibenzofuran	ND		0.388	0.0421	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:11	1.00
Diethyl phthalate	ND		0.388	0.0252	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:11	1.00
Dimethyl phthalate	ND		0.388	0.0280	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:11	1.00
Di-n-butyl phthalate	ND		0.388	0.0289	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:11	1.00
Di-n-octyl phthalate	ND		0.388	0.142	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:11	1.00
Diphenylamine	ND		0.388	0.0267	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:11	1.00
Fluoranthene	ND		0.388	0.0287	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:11	1.00
Fluorene	ND		0.388	0.0271	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:11	1.00
Hexachlorobenzene	ND		0.388	0.0329	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:11	1.00
Hexachlorobutadiene	ND		0.388	0.0477	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:11	1.00
Hexachlorocyclopentadiene	ND		1.96	0.199	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:11	1.00
Hexachloroethane	ND		0.388	0.0506	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:11	1.00
Isophorone	ND		0.388	0.0502	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:11	1.00
Naphthalene	ND		0.388	0.0374	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:11	1.00
Nitrobenzene	ND		0.388	0.0577	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:11	1.00
N-Nitrosodi-n-propylamine	ND		0.388	0.0286	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:11	1.00
N-Nitrosodiphenylamine	ND		0.388	0.0267	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:11	1.00
Pentachloroethane	ND		0.388	0.0357	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:11	1.00
Pentachlorophenol	ND		1.96	0.0592	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:11	1.00
Phenanthrene	ND		0.388	0.0260	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:11	1.00
Phenol	ND		0.388	0.0385	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:11	1.00
Pyrene	ND		0.388	0.0274	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:11	1.00
Pyridine	ND		0.388	0.0453	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:11	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*70*		*42 - 136*	*05/29/12 17:00*	*05/31/12 20:11*	*1.00*
2-Fluorobiphenyl	*66*		*42 - 129*	*05/29/12 17:00*	*05/31/12 20:11*	*1.00*
2-Fluorophenol	*67*		*36 - 114*	*05/29/12 17:00*	*05/31/12 20:11*	*1.00*
Nitrobenzene-d5	*63*		*40 - 122*	*05/29/12 17:00*	*05/31/12 20:11*	*1.00*
Phenol-d5	*66*		*38 - 125*	*05/29/12 17:00*	*05/31/12 20:11*	*1.00*
Terphenyl-d14	*67*		*44 - 127*	*05/29/12 17:00*	*05/31/12 20:11*	*1.00*

Method: 6020 - Total Metals by SW846 Series Methods

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**6.05**		0.539	0.123	mg/kg dry	☼	05/31/12 10:35	05/31/12 17:48	5.00
Barium	**76.9**	**B**	5.39	0.0100	mg/kg dry	☼	05/31/12 10:35	05/31/12 17:48	5.00
Cadmium	**0.212**	**J**	0.539	0.0135	mg/kg dry	☼	05/31/12 10:35	05/31/12 17:48	5.00
Chromium	**7.06**		0.539	0.354	mg/kg dry	☼	05/31/12 10:35	05/31/12 17:48	5.00
Lead	**4.75**		0.539	0.0264	mg/kg dry	☼	05/31/12 10:35	05/31/12 17:48	5.00
Selenium	**0.244**	**J**	0.539	0.201	mg/kg dry	☼	05/31/12 10:35	05/31/12 17:48	5.00
Silver	ND		0.539	0.129	mg/kg dry	☼	05/31/12 10:35	05/31/12 17:48	5.00

Method: 7471A - Total Metals by SW846 Series Methods

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.110	0.00750	mg/kg dry	☼	05/31/12 11:15	05/31/12 15:44	1.00

Method: ASTM D2216-90 - General Chemistry Parameters

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Dry Weight	**85.1**		0.500		%		05/23/12 16:31	05/24/12 10:25	1.00

Client Sample Results

Client: TITAN Engineering, Inc.
Project/Site: 583-01

TestAmerica Job ID: AVE0225

Client Sample ID: TMW-3 1

Date Collected: 05/16/12 11:00
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-23

Matrix: Sol
Percent Solids: 8

Method: SW846 9045C - General Chemistry Parameters

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.56		0.100		pH Units		05/30/12 13:44	05/30/12 15:00	1.00

Client Sample Results

Client: TITAN Engineering, Inc.
Project/Site: 583-01

TestAmerica Job ID: AVE0225

Client Sample ID: TMW-3 4.5
Date Collected: 05/16/12 11:05
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-24
Matrix: Solid
Percent Solids: 85.8

Method: 8260B - Volatile Organic Compounds by SW846 8260B

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.00580	0.00193	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:25	1.00
1,1,1-Trichloroethane	ND		0.00580	0.00150	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:25	1.00
1,1,2,2-Tetrachloroethane	ND		0.00580	0.00370	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:25	1.00
1,1,2-Trichloroethane	ND		0.00580	0.00257	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:25	1.00
1,1-Dichloroethane	ND		0.00580	0.000783	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:25	1.00
1,1-Dichloroethene	ND		0.00580	0.00100	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:25	1.00
1,2,4-Trimethylbenzene	ND		0.00580	0.00233	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:25	1.00
1,2-Dibromoethane (EDB)	ND		0.00580	0.00175	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:25	1.00
1,2-Dichlorobenzene	ND		0.00580	0.00283	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:25	1.00
1,2-Dichloroethane	ND		0.00580	0.000999	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:25	1.00
1,2-Dichloropropane	ND		0.00580	0.000790	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:25	1.00
1,3-Dichlorobenzene	ND		0.00580	0.00225	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:25	1.00
1,4-Dichlorobenzene	ND		0.00580	0.00219	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:25	1.00
2-Butanone (MEK)	ND		0.0116	0.00534	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:25	1.00
2-Hexanone	ND		0.0116	0.00398	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:25	1.00
4-Isopropyltoluene	ND		0.00580	0.00196	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:25	1.00
4-Methyl-2-pentanone (MIBK)	ND		0.0116	0.00297	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:25	1.00
Acetone	ND		0.0580	0.00553	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:25	1.00
Benzene	ND		0.00580	0.000905	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:25	1.00
Bromobenzene	ND		0.00580	0.00268	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:25	1.00
Bromochloromethane	ND		0.00580	0.000925	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:25	1.00
Bromodichloromethane	ND		0.00580	0.000793	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:25	1.00
Bromoethane	ND		0.0116	0.00130	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:25	1.00
Bromoform	ND		0.00580	0.00143	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:25	1.00
Bromomethane	ND		0.0116	0.00107	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:25	1.00
Carbon disulfide	ND		0.00580	0.00116	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:25	1.00
Carbon tetrachloride	ND		0.00580	0.00132	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:25	1.00
Chlorobenzene	ND		0.00580	0.00100	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:25	1.00
Chlorodibromomethane	ND		0.00580	0.00206	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:25	1.00
Chloroethane	ND		0.0116	0.00178	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:25	1.00
Chloroform	ND		0.00580	0.000847	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:25	1.00
Chloromethane	ND		0.0116	0.00350	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:25	1.00
cis-1,2-Dichloroethene	ND		0.00580	0.000737	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:25	1.00
cis-1,3-Dichloropropene	ND		0.00580	0.00152	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:25	1.00
Dibromomethane	ND		0.00580	0.00103	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:25	1.00
Dichlorodifluoromethane	ND		0.0232	0.0116	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:25	1.00
Ethylbenzene	ND		0.00580	0.00141	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:25	1.00
Hexachlorobutadiene	ND		0.00580	0.00211	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:25	1.00
Isopropylbenzene	ND		0.00580	0.00211	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:25	1.00
Methyl tert-Butyl Ether	ND		0.00580	0.00100	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:25	1.00
Methylene chloride	ND		0.00580	0.00123	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:25	1.00
n-Butylbenzene	ND		0.00580	0.00192	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:25	1.00
n-Propylbenzene	ND		0.00580	0.00212	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:25	1.00
sec-Butylbenzene	ND		0.00580	0.00244	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:25	1.00
Styrene	ND		0.00580	0.00191	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:25	1.00
tert-Butylbenzene	ND		0.00580	0.00220	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:25	1.00
Tetrachloroethene	ND		0.00580	0.00183	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:25	1.00
Toluene	ND		0.00580	0.00115	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:25	1.00
trans-1,2-Dichloroethene	ND		0.00580	0.000985	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:25	1.00
trans-1,3-Dichloropropene	ND		0.00580	0.00192	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:25	1.00
Trichloroethene	ND		0.00580	0.00110	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:25	1.00

Client Sample ID: TMW-3 4.5

Date Collected: 05/16/12 11:05
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-24

Matrix: Soli
Percent Solids: 85.

Method: 8260B - Volatile Organic Compounds by SW846 8260B (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		0.0116	0.00120	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:25	1.00
Vinyl chloride	ND		0.00580	0.00171	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:25	1.00
Xylenes, total	ND		0.0174	0.00348	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:25	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*104*		*67 - 127*	*05/23/12 13:08*	*05/23/12 20:25*	*1.00*
4-Bromofluorobenzene	*104*		*59 - 119*	*05/23/12 13:08*	*05/23/12 20:25*	*1.00*
Dibromofluoromethane	*97*		*69 - 129*	*05/23/12 13:08*	*05/23/12 20:25*	*1.00*
Toluene-d8	*98*		*76 - 136*	*05/23/12 13:08*	*05/23/12 20:25*	*1.00*

Method: 8270C - Acid and Base/Neutral Extractables by SW846 TRRP

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.383	0.0522	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:32	1.00
1,2-Diphenylhydrazine	ND		0.383	0.0490	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:32	1.00
2,4,5-Trichlorophenol	ND		0.383	0.0398	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:32	1.00
2,4,6-Trichlorophenol	ND		0.383	0.0510	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:32	1.00
2,4-Dichlorophenol	ND		0.383	0.0504	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:32	1.00
2,4-Dimethylphenol	ND		0.383	0.0913	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:32	1.00
2,4-Dinitrophenol	ND		1.94	0.775	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:32	1.00
2,4-Dinitrotoluene	ND		0.383	0.183	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:32	1.00
2,6-Dinitrotoluene	ND		0.383	0.0476	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:32	1.00
2-Chloronaphthalene	ND		0.383	0.0364	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:32	1.00
2-Chlorophenol	ND		0.383	0.0338	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:32	1
2-Methylnaphthalene	ND		0.383	0.0373	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:32	1.00
2-Methylphenol	ND		0.383	0.0463	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:32	1.00
2-Nitroaniline	ND		0.383	0.0494	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:32	1.00
2-Nitrophenol	ND		0.383	0.0732	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:32	1.00
3 & 4 Methylphenol	ND		0.383	0.0753	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:32	1.00
3,3'-Dichlorobenzidine	ND		1.94	0.0621	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:32	1.00
3-Nitroaniline	ND		0.383	0.0370	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:32	1.00
4,6-Dinitro-2-methylphenol	ND		1.94	0.232	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:32	1.00
4-Bromophenyl phenyl ether	ND		0.383	0.0351	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:32	1.00
4-Chloro-3-methylphenol	ND		0.383	0.0612	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:32	1.00
4-Chloroaniline	ND		0.383	0.0436	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:32	1.00
4-Chlorophenyl phenyl ether	ND		0.383	0.0297	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:32	1.00
4-Nitroaniline	ND		0.383	0.116	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:32	1.00
4-Nitrophenol	ND		1.94	0.175	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:32	1.00
Acenaphthene	ND		0.383	0.0403	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:32	1.00
Acenaphthylene	ND		0.383	0.0380	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:32	1.00
Anthracene	ND		0.383	0.0286	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:32	1.00
Benzo[a]anthracene	ND		0.383	0.0231	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:32	1.00
Benzo[a]pyrene	ND		0.383	0.0264	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:32	1.00
Benzo[b]fluoranthene	ND		0.383	0.0606	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:32	1.00
Benzo[g,h,i]perylene	ND		0.383	0.0312	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:32	1.00
Benzo[k]fluoranthene	ND		0.383	0.0461	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:32	1.00
Bis(2-chloroethoxy)methane	ND		0.383	0.0377	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:32	1.00
Bis(2-chloroethyl)ether	ND		0.383	0.0398	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:32	1.00
Bis(2-chloroisopropyl) ether	ND		0.383	0.0316	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:32	1.00
Bis(2-ethylhexyl) phthalate	ND		0.383	0.0487	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:32	1
Butyl benzyl phthalate	ND		0.383	0.0303	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:32	1.00
Chrysene	ND		0.383	0.0263	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:32	1.00

Client Sample ID: TMW-3 4.5

Date Collected: 05/16/12 11:05
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-24

Matrix: Solid
Percent Solids: 85.8

Method: 8270C - Acid and Base/Neutral Extractables by SW846 TRRP (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz[a,h]anthracene	ND		0.383	0.0976	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:32	1.00
Dibenzofuran	ND		0.383	0.0417	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:32	1.00
Diethyl phthalate	ND		0.383	0.0250	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:32	1.00
Dimethyl phthalate	ND		0.383	0.0277	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:32	1.00
Di-n-butyl phthalate	ND		0.383	0.0285	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:32	1.00
Di-n-octyl phthalate	ND		0.383	0.141	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:32	1.00
Diphenylamine	ND		0.383	0.0264	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:32	1.00
Fluoranthene	ND		0.383	0.0283	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:32	1.00
Fluorene	ND		0.383	0.0268	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:32	1.00
Hexachlorobenzene	ND		0.383	0.0326	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:32	1.00
Hexachlorobutadiene	ND		0.383	0.0471	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:32	1.00
Hexachlorocyclopentadiene	ND		1.94	0.196	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:32	1.00
Hexachloroethane	ND		0.383	0.0500	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:32	1.00
Isophorone	ND		0.383	0.0496	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:32	1.00
Naphthalene	ND		0.383	0.0369	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:32	1.00
Nitrobenzene	ND		0.383	0.0570	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:32	1.00
N-Nitrosodi-n-propylamine	ND		0.383	0.0282	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:32	1.00
N-Nitrosodiphenylamine	ND		0.383	0.0264	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:32	1.00
Pentachloroethane	ND		0.383	0.0353	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:32	1.00
Pentachlorophenol	ND		1.94	0.0585	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:32	1.00
Phenanthrene	ND		0.383	0.0257	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:32	1.00
Phenol	ND		0.383	0.0381	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:32	1.00
Pyrene	ND		0.383	0.0271	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:32	1.00
Pyridine	ND		0.383	0.0448	mg/kg dry	☼	05/29/12 17:00	05/31/12 20:32	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*73*		*42 - 136*	*05/29/12 17:00*	*05/31/12 20:32*	*1.00*
2-Fluorobiphenyl	*71*		*42 - 129*	*05/29/12 17:00*	*05/31/12 20:32*	*1.00*
2-Fluorophenol	*73*		*36 - 114*	*05/29/12 17:00*	*05/31/12 20:32*	*1.00*
Nitrobenzene-d5	*70*		*40 - 122*	*05/29/12 17:00*	*05/31/12 20:32*	*1.00*
Phenol-d5	*72*		*38 - 125*	*05/29/12 17:00*	*05/31/12 20:32*	*1.00*
Terphenyl-d14	*73*		*44 - 127*	*05/29/12 17:00*	*05/31/12 20:32*	*1.00*

Method: 6020 - Total Metals by SW846 Series Methods

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**2.59**		0.516	0.118	mg/kg dry	☼	05/31/12 10:45	05/31/12 18:23	5.00
Barium	**89.0**	**B**	5.16	0.00959	mg/kg dry	☼	05/31/12 10:45	05/31/12 18:23	5.00
Cadmium	**0.214**	**J**	0.516	0.0129	mg/kg dry	☼	05/31/12 10:45	05/31/12 18:23	5.00
Chromium	**9.08**		0.516	0.338	mg/kg dry	☼	05/31/12 10:45	05/31/12 18:23	5.00
Lead	**4.32**		0.516	0.0253	mg/kg dry	☼	05/31/12 10:45	05/31/12 18:23	5.00
Selenium	ND		0.516	0.192	mg/kg dry	☼	05/31/12 10:45	05/31/12 18:23	5.00
Silver	ND		0.516	0.124	mg/kg dry	☼	05/31/12 10:45	05/31/12 18:23	5.00

Method: 7471A - Total Metals by SW846 Series Methods

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.117	0.00792	mg/kg dry	☼	05/31/12 11:15	05/31/12 15:45	1.00

Method: ASTM D2216-90 - General Chemistry Parameters

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Dry Weight	**85.8**		0.500		%		05/23/12 16:31	05/24/12 10:27	1.00

Client Sample Results

Client: TITAN Engineering, Inc.
Project/Site: 583-01

TestAmerica Job ID: AVE0225

Client Sample ID: TMW-3 4.5

Date Collected: 05/16/12 11:05
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-24

Matrix: Soi
Percent Solids: 85.

Method: SW846 9045C - General Chemistry Parameters

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.31		0.100		pH Units		05/30/12 13:48	05/30/12 17:15	1.00

Client Sample Results

Client: TITAN Engineering, Inc.
Project/Site: 583-01

TestAmerica Job ID: AVE0225

Client Sample ID: TMW-3 6.5
Date Collected: 05/16/12 11:15
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-25
Matrix: Solid
Percent Solids: 83.2

Method: 8260B - Volatile Organic Compounds by SW846 8260B

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.00594	0.00197	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:49	1.00
1,1,1-Trichloroethane	ND		0.00594	0.00154	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:49	1.00
1,1,2,2-Tetrachloroethane	ND		0.00594	0.00379	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:49	1.00
1,1,2-Trichloroethane	ND		0.00594	0.00263	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:49	1.00
1,1-Dichloroethane	ND		0.00594	0.000802	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:49	1.00
1,1-Dichloroethene	ND		0.00594	0.00102	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:49	1.00
1,2,4-Trimethylbenzene	ND		0.00594	0.00239	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:49	1.00
1,2-Dibromoethane (EDB)	ND		0.00594	0.00179	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:49	1.00
1,2-Dichlorobenzene	ND		0.00594	0.00290	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:49	1.00
1,2-Dichloroethane	ND		0.00594	0.00102	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:49	1.00
1,2-Dichloropropane	ND		0.00594	0.000809	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:49	1.00
1,3-Dichlorobenzene	ND		0.00594	0.00230	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:49	1.00
1,4-Dichlorobenzene	ND		0.00594	0.00224	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:49	1.00
2-Butanone (MEK)	ND		0.0119	0.00546	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:49	1.00
2-Hexanone	ND		0.0119	0.00408	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:49	1.00
4-Isopropyltoluene	ND		0.00594	0.00201	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:49	1.00
4-Methyl-2-pentanone (MIBK)	ND		0.0119	0.00304	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:49	1.00
Acetone	ND		0.0594	0.00566	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:49	1.00
Benzene	ND		0.00594	0.000927	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:49	1.00
Bromobenzene	ND		0.00594	0.00275	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:49	1.00
Bromochloromethane	ND		0.00594	0.000947	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:49	1.00
omodichloromethane	ND		0.00594	0.000812	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:49	1.00
Bromoethane	ND		0.0119	0.00133	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:49	1.00
Bromoform	ND		0.00594	0.00147	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:49	1.00
Bromomethane	ND		0.0119	0.00109	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:49	1.00
Carbon disulfide	ND		0.00594	0.00118	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:49	1.00
Carbon tetrachloride	ND		0.00594	0.00135	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:49	1.00
Chlorobenzene	ND		0.00594	0.00103	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:49	1.00
Chlorodibromomethane	ND		0.00594	0.00211	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:49	1.00
Chloroethane	ND		0.0119	0.00182	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:49	1.00
Chloroform	ND		0.00594	0.000868	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:49	1.00
Chloromethane	ND		0.0119	0.00359	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:49	1.00
cis-1,2-Dichloroethene	ND		0.00594	0.000755	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:49	1.00
cis-1,3-Dichloropropene	ND		0.00594	0.00155	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:49	1.00
Dibromomethane	ND		0.00594	0.00105	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:49	1.00
Dichlorodifluoromethane	ND		0.0238	0.0119	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:49	1.00
Ethylbenzene	ND		0.00594	0.00144	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:49	1.00
Hexachlorobutadiene	ND		0.00594	0.00216	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:49	1.00
Isopropylbenzene	ND		0.00594	0.00216	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:49	1.00
Methyl tert-Butyl Ether	ND		0.00594	0.00103	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:49	1.00
Methylene chloride	ND		0.00594	0.00126	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:49	1.00
n-Butylbenzene	ND		0.00594	0.00197	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:49	1.00
n-Propylbenzene	ND		0.00594	0.00217	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:49	1.00
sec-Butylbenzene	ND		0.00594	0.00250	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:49	1.00
Styrene	ND		0.00594	0.00195	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:49	1.00
tert-Butylbenzene	ND		0.00594	0.00225	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:49	1.00
Tetrachloroethene	ND		0.00594	0.00187	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:49	1.00
oluene	ND		0.00594	0.00118	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:49	1.00
trans-1,2-Dichloroethene	ND		0.00594	0.00101	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:49	1.00
trans-1,3-Dichloropropene	ND		0.00594	0.00196	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:49	1.00
Trichloroethene	ND		0.00594	0.00112	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:49	1.00

Client Sample ID: TMW-3 6.5

Date Collected: 05/16/12 11:15
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-25

Matrix: Soil
Percent Solids: 83

Method: 8260B - Volatile Organic Compounds by SW846 8260B (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		0.0119	0.00123	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:49	1.00
Vinyl chloride	ND		0.00594	0.00175	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:49	1.00
Xylenes, total	ND		0.0178	0.00356	mg/kg dry	☼	05/23/12 13:08	05/23/12 20:49	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*103*		*67 - 127*	*05/23/12 13:08*	*05/23/12 20:49*	*1.00*
4-Bromofluorobenzene	*106*		*59 - 119*	*05/23/12 13:08*	*05/23/12 20:49*	*1.00*
Dibromofluoromethane	*95*		*69 - 129*	*05/23/12 13:08*	*05/23/12 20:49*	*1.00*
Toluene-d8	*98*		*76 - 136*	*05/23/12 13:08*	*05/23/12 20:49*	*1.00*

Method: ASTM D2216-90 - General Chemistry Parameters

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Dry Weight	**83.2**		0.500		%		05/23/12 16:31	05/24/12 10:29	1.00

Client Sample Results

Client: TITAN Engineering, Inc.
Project/Site: 583-01

TestAmerica Job ID: AVE0225

Client Sample ID: EB-20120516

Date Collected: 05/16/12 12:00
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-26

Matrix: Water

Method: 8260B - Volatile Organic Compounds by SW846 8260B

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.00100	0.000332	mg/L		05/22/12 10:43	05/22/12 18:26	1.00
1,1,1-Trichloroethane	ND		0.00100	0.000360	mg/L		05/22/12 10:43	05/22/12 18:26	1.00
1,1,2,2-Tetrachloroethane	ND		0.00100	0.000310	mg/L		05/22/12 10:43	05/22/12 18:26	1.00
1,1,2-Trichloroethane	ND		0.00100	0.000352	mg/L		05/22/12 10:43	05/22/12 18:26	1.00
1,1-Dichloroethane	ND		0.00100	0.000374	mg/L		05/22/12 10:43	05/22/12 18:26	1.00
1,1-Dichloroethene	ND		0.00100	0.000427	mg/L		05/22/12 10:43	05/22/12 18:26	1.00
1,2,4-Trimethylbenzene	ND		0.00100	0.000598	mg/L		05/22/12 10:43	05/22/12 18:26	1.00
1,2-Dibromoethane (EDB)	ND		0.00100	0.000500	mg/L		05/22/12 10:43	05/22/12 18:26	1.00
1,2-Dichlorobenzene	ND		0.00100	0.000434	mg/L		05/22/12 10:43	05/22/12 18:26	1.00
1,2-Dichloroethane	ND		0.00100	0.000392	mg/L		05/22/12 10:43	05/22/12 18:26	1.00
1,2-Dichloropropane	ND		0.00100	0.000373	mg/L		05/22/12 10:43	05/22/12 18:26	1.00
1,3-Dichlorobenzene	ND		0.00100	0.000386	mg/L		05/22/12 10:43	05/22/12 18:26	1.00
1,4-Dichlorobenzene	ND		0.00100	0.000293	mg/L		05/22/12 10:43	05/22/12 18:26	1.00
2-Butanone (MEK)	ND		0.00500	0.00110	mg/L		05/22/12 10:43	05/22/12 18:26	1.00
2-Hexanone	ND		0.0100	0.00500	mg/L		05/22/12 10:43	05/22/12 18:26	1.00
4-Isopropyltoluene	ND		0.00100	0.000633	mg/L		05/22/12 10:43	05/22/12 18:26	1.00
4-Methyl-2-pentanone (MIBK)	ND		0.00500	0.00108	mg/L		05/22/12 10:43	05/22/12 18:26	1.00
Acetone	**0.00359**	**J**	0.00500	0.00154	mg/L		05/22/12 10:43	05/22/12 18:26	1.00
Benzene	ND		0.00100	0.000339	mg/L		05/22/12 10:43	05/22/12 18:26	1.00
Bromobenzene	ND		0.00100	0.000394	mg/L		05/22/12 10:43	05/22/12 18:26	1.00
Bromochloromethane	ND		0.00100	0.000368	mg/L		05/22/12 10:43	05/22/12 18:26	1.00
Bromodichloromethane	ND		0.00100	0.000369	mg/L		05/22/12 10:43	05/22/12 18:26	1.00
Bromoethane	ND		0.0100	0.000381	mg/L		05/22/12 10:43	05/22/12 18:26	1.00
Bromoform	ND		0.00200	0.000684	mg/L		05/22/12 10:43	05/22/12 18:26	1.00
Bromomethane	ND		0.00200	0.00116	mg/L		05/22/12 10:43	05/22/12 18:26	1.00
Carbon disulfide	ND		0.00100	0.000383	mg/L		05/22/12 10:43	05/22/12 18:26	1.00
Carbon tetrachloride	ND		0.00100	0.000335	mg/L		05/22/12 10:43	05/22/12 18:26	1.00
Chlorobenzene	ND		0.00100	0.000333	mg/L		05/22/12 10:43	05/22/12 18:26	1.00
Chlorodibromomethane	ND		0.00100	0.000278	mg/L		05/22/12 10:43	05/22/12 18:26	1.00
Chloroethane	ND		0.00200	0.00134	mg/L		05/22/12 10:43	05/22/12 18:26	1.00
Chloroform	ND		0.00100	0.000349	mg/L		05/22/12 10:43	05/22/12 18:26	1.00
Chloromethane	ND		0.00200	0.000546	mg/L		05/22/12 10:43	05/22/12 18:26	1.00
cis-1,2-Dichloroethene	ND		0.00100	0.000367	mg/L		05/22/12 10:43	05/22/12 18:26	1.00
cis-1,3-Dichloropropene	ND		0.00100	0.000500	mg/L		05/22/12 10:43	05/22/12 18:26	1.00
Dibromomethane	ND		0.00100	0.000407	mg/L		05/22/12 10:43	05/22/12 18:26	1.00
Dichlorodifluoromethane	ND		0.00200	0.000581	mg/L		05/22/12 10:43	05/22/12 18:26	1.00
Ethylbenzene	ND		0.00100	0.000416	mg/L		05/22/12 10:43	05/22/12 18:26	1.00
Hexachlorobutadiene	ND		0.00100	0.000567	mg/L		05/22/12 10:43	05/22/12 18:26	1.00
Isopropylbenzene	ND		0.00100	0.000332	mg/L		05/22/12 10:43	05/22/12 18:26	1.00
Methyl tert-Butyl Ether	ND		0.00100	0.000336	mg/L		05/22/12 10:43	05/22/12 18:26	1.00
Methylene chloride	ND		0.00200	0.000422	mg/L		05/22/12 10:43	05/22/12 18:26	1.00
n-Butylbenzene	ND		0.00100	0.000878	mg/L		05/22/12 10:43	05/22/12 18:26	1.00
n-Propylbenzene	ND		0.00100	0.000441	mg/L		05/22/12 10:43	05/22/12 18:26	1.00
sec-Butylbenzene	ND		0.00100	0.000609	mg/L		05/22/12 10:43	05/22/12 18:26	1.00
Styrene	ND		0.00100	0.000269	mg/L		05/22/12 10:43	05/22/12 18:26	1.00
tert-Butylbenzene	ND		0.00100	0.000310	mg/L		05/22/12 10:43	05/22/12 18:26	1.00
Tetrachloroethene	ND		0.00100	0.000640	mg/L		05/22/12 10:43	05/22/12 18:26	1.00
Toluene	ND		0.00100	0.000288	mg/L		05/22/12 10:43	05/22/12 18:26	1.00
trans-1,2-Dichloroethene	ND		0.00100	0.000372	mg/L		05/22/12 10:43	05/22/12 18:26	1.00
trans-1,3-Dichloropropene	ND		0.00100	0.000220	mg/L		05/22/12 10:43	05/22/12 18:26	1.00
Trichloroethene	ND		0.00100	0.000449	mg/L		05/22/12 10:43	05/22/12 18:26	1.00

Client Sample ID: EB-20120516

Lab Sample ID: AVE0225-26

Date Collected: 05/16/12 12:00

Matrix: Wat

Date Received: 05/18/12 08:45

Method: 8260B - Volatile Organic Compounds by SW846 8260B (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		0.00200	0.000573	mg/L		05/22/12 10:43	05/22/12 18:26	1.00
Vinyl chloride	ND		0.00200	0.000537	mg/L		05/22/12 10:43	05/22/12 18:26	1.00
Xylenes, total	ND		0.00300	0.00120	mg/L		05/22/12 10:43	05/22/12 18:26	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*111*		*69 - 133*	*05/22/12 10:43*	*05/22/12 18:26*	*1.00*
4-Bromofluorobenzene	*101*		*66 - 124*	*05/22/12 10:43*	*05/22/12 18:26*	*1.00*
Dibromofluoromethane	*111*		*81 - 127*	*05/22/12 10:43*	*05/22/12 18:26*	*1.00*
Toluene-d8	*103*		*87 - 121*	*05/22/12 10:43*	*05/22/12 18:26*	*1.00*

Client Sample Results

Client: TITAN Engineering, Inc.
Project/Site: 583-01

TestAmerica Job ID: AVE0225

Client Sample ID: TMW-4 1

Date Collected: 05/16/12 12:45
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-27

Matrix: Solid
Percent Solids: 81.3

Method: 8260B - Volatile Organic Compounds by SW846 8260B

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.00611	0.00203	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:33	1.00
1,1,1-Trichloroethane	ND		0.00611	0.00158	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:33	1.00
1,1,2,2-Tetrachloroethane	ND		0.00611	0.00390	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:33	1.00
1,1,2-Trichloroethane	ND		0.00611	0.00271	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:33	1.00
1,1-Dichloroethane	ND		0.00611	0.000825	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:33	1.00
1,1-Dichloroethene	ND		0.00611	0.00105	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:33	1.00
1,2,4-Trimethylbenzene	ND		0.00611	0.00246	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:33	1.00
1,2-Dibromoethane (EDB)	ND		0.00611	0.00184	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:33	1.00
1,2-Dichlorobenzene	ND		0.00611	0.00299	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:33	1.00
1,2-Dichloroethane	ND		0.00611	0.00105	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:33	1.00
1,2-Dichloropropane	ND		0.00611	0.000833	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:33	1.00
1,3-Dichlorobenzene	ND		0.00611	0.00237	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:33	1.00
1,4-Dichlorobenzene	ND		0.00611	0.00231	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:33	1.00
2-Butanone (MEK)	**0.00857**	**J**	0.0122	0.00562	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:33	1.00
2-Hexanone	ND		0.0122	0.00420	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:33	1.00
4-Isopropyltoluene	ND		0.00611	0.00207	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:33	1.00
4-Methyl-2-pentanone (MIBK)	ND		0.0122	0.00312	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:33	1.00
Acetone	**0.0241**	**J**	0.0611	0.00582	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:33	1.00
Benzene	ND		0.00611	0.000954	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:33	1.00
Bromobenzene	ND		0.00611	0.00283	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:33	1.00
Bromochloromethane	ND		0.00611	0.000975	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:33	1.00
Bromodichloromethane	ND		0.00611	0.000835	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:33	1.00
Bromoethane	ND		0.0122	0.00137	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:33	1.00
Bromoform	ND		0.00611	0.00151	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:33	1.00
Bromomethane	ND		0.0122	0.00113	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:33	1.00
Carbon disulfide	ND		0.00611	0.00122	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:33	1.00
Carbon tetrachloride	ND		0.00611	0.00139	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:33	1.00
Chlorobenzene	ND		0.00611	0.00106	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:33	1.00
Chlorodibromomethane	ND		0.00611	0.00217	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:33	1.00
Chloroethane	ND		0.0122	0.00187	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:33	1.00
Chloroform	ND		0.00611	0.000893	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:33	1.00
Chloromethane	ND		0.0122	0.00369	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:33	1.00
cis-1,2-Dichloroethene	ND		0.00611	0.000776	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:33	1.00
cis-1,3-Dichloropropene	ND		0.00611	0.00160	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:33	1.00
Dibromomethane	ND		0.00611	0.00108	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:33	1.00
Dichlorodifluoromethane	ND		0.0245	0.0122	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:33	1.00
Ethylbenzene	ND		0.00611	0.00148	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:33	1.00
Hexachlorobutadiene	ND		0.00611	0.00222	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:33	1.00
Isopropylbenzene	ND		0.00611	0.00222	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:33	1.00
Methyl tert-Butyl Ether	ND		0.00611	0.00106	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:33	1.00
Methylene chloride	ND		0.00611	0.00129	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:33	1.00
n-Butylbenzene	ND		0.00611	0.00203	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:33	1.00
n-Propylbenzene	ND		0.00611	0.00224	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:33	1.00
sec-Butylbenzene	ND		0.00611	0.00258	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:33	1.00
Styrene	ND		0.00611	0.00201	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:33	1.00
tert-Butylbenzene	ND		0.00611	0.00232	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:33	1.00
Tetrachloroethene	ND		0.00611	0.00193	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:33	1.00
Toluene	ND		0.00611	0.00121	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:33	1.00
trans-1,2-Dichloroethene	ND		0.00611	0.00104	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:33	1.00
trans-1,3-Dichloropropene	ND		0.00611	0.00202	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:33	1.00
Trichloroethene	ND		0.00611	0.00116	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:33	1.00

Client Sample ID: TMW-4 1

Date Collected: 05/16/12 12:45
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-27

Matrix: Sol
Percent Solids: 81

Method: 8260B - Volatile Organic Compounds by SW846 8260B (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		0.0122	0.00127	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:33	1.00
Vinyl chloride	ND		0.00611	0.00180	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:33	1.00
Xylenes, total	ND		0.0183	0.00367	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:33	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*110*		*67 - 127*	*05/23/12 13:08*	*05/23/12 23:33*	*1.00*
4-Bromofluorobenzene	*107*		*59 - 119*	*05/23/12 13:08*	*05/23/12 23:33*	*1.00*
Dibromofluoromethane	*100*		*69 - 129*	*05/23/12 13:08*	*05/23/12 23:33*	*1.00*
Toluene-d8	*100*		*76 - 136*	*05/23/12 13:08*	*05/23/12 23:33*	*1.00*

Method: 8270C - Acid and Base/Neutral Extractables by SW846 TRRP

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.405	0.0551	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:09	1.00
1,2-Diphenylhydrazine	ND		0.405	0.0517	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:09	1.00
2,4,5-Trichlorophenol	ND		0.405	0.0421	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:09	1.00
2,4,6-Trichlorophenol	ND		0.405	0.0539	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:09	1.00
2,4-Dichlorophenol	ND		0.405	0.0532	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:09	1.00
2,4-Dimethylphenol	ND		0.405	0.0964	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:09	1.00
2,4-Dinitrophenol	ND		2.05	0.819	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:09	1.00
2,4-Dinitrotoluene	ND		0.405	0.193	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:09	1.00
2,6-Dinitrotoluene	ND		0.405	0.0503	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:09	1.00
2-Chloronaphthalene	ND		0.405	0.0384	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:09	1.00
2-Chlorophenol	ND		0.405	0.0357	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:09	1
2-Methylnaphthalene	ND		0.405	0.0394	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:09	1.00
2-Methylphenol	ND		0.405	0.0489	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:09	1.00
2-Nitroaniline	ND		0.405	0.0521	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:09	1.00
2-Nitrophenol	ND		0.405	0.0773	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:09	1.00
3 & 4 Methylphenol	ND		0.405	0.0795	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:09	1.00
3,3'-Dichlorobenzidine	ND		2.05	0.0656	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:09	1.00
3-Nitroaniline	ND		0.405	0.0391	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:09	1.00
4,6-Dinitro-2-methylphenol	ND		2.05	0.245	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:09	1.00
4-Bromophenyl phenyl ether	ND		0.405	0.0371	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:09	1.00
4-Chloro-3-methylphenol	ND		0.405	0.0647	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:09	1.00
4-Chloroaniline	ND		0.405	0.0460	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:09	1.00
4-Chlorophenyl phenyl ether	ND		0.405	0.0314	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:09	1.00
4-Nitroaniline	ND		0.405	0.123	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:09	1.00
4-Nitrophenol	ND		2.05	0.185	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:09	1.00
Acenaphthene	ND		0.405	0.0426	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:09	1.00
Acenaphthylene	ND		0.405	0.0402	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:09	1.00
Anthracene	ND		0.405	0.0303	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:09	1.00
Benzo[a]anthracene	ND		0.405	0.0244	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:09	1.00
Benzo[a]pyrene	ND		0.405	0.0279	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:09	1.00
Benzo[b]fluoranthene	ND		0.405	0.0640	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:09	1.00
Benzo[g,h,i]perylene	ND		0.405	0.0329	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:09	1.00
Benzo[k]fluoranthene	ND		0.405	0.0487	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:09	1.00
Bis(2-chloroethoxy)methane	ND		0.405	0.0399	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:09	1.00
Bis(2-chloroethyl)ether	ND		0.405	0.0421	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:09	1.00
Bis(2-chloroisopropyl) ether	ND		0.405	0.0334	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:09	1.00
Bis(2-ethylhexyl) phthalate	**0.102**	**J**	0.405	0.0514	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:09	1
Butyl benzyl phthalate	ND		0.405	0.0320	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:09	1.00
Chrysene	ND		0.405	0.0277	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:09	1.00

Client Sample Results

Client: TITAN Engineering, Inc.
Project/Site: 583-01

TestAmerica Job ID: AVE0225

Client Sample ID: TMW-4 1

Lab Sample ID: AVE0225-27

Date Collected: 05/16/12 12:45
Date Received: 05/18/12 08:45

Matrix: Solid
Percent Solids: 81.3

Method: 8270C - Acid and Base/Neutral Extractables by SW846 TRRP (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz[a,h]anthracene	ND		0.405	0.103	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:09	1.00
Dibenzofuran	ND		0.405	0.0440	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:09	1.00
Diethyl phthalate	ND		0.405	0.0264	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:09	1.00
Dimethyl phthalate	ND		0.405	0.0292	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:09	1.00
Di-n-butyl phthalate	ND		0.405	0.0302	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:09	1.00
Di-n-octyl phthalate	ND		0.405	0.148	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:09	1.00
Diphenylamine	ND		0.405	0.0279	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:09	1.00
Fluoranthene	ND		0.405	0.0299	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:09	1.00
Fluorene	ND		0.405	0.0283	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:09	1.00
Hexachlorobenzene	ND		0.405	0.0344	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:09	1.00
Hexachlorobutadiene	ND		0.405	0.0498	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:09	1.00
Hexachlorocyclopentadiene	ND	SL	2.05	0.207	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:09	1.00
Hexachloroethane	ND		0.405	0.0528	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:09	1.00
Isophorone	ND		0.405	0.0524	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:09	1.00
Naphthalene	ND		0.405	0.0390	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:09	1.00
Nitrobenzene	ND		0.405	0.0602	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:09	1.00
N-Nitrosodi-n-propylamine	ND		0.405	0.0298	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:09	1.00
N-Nitrosodiphenylamine	ND		0.405	0.0279	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:09	1.00
Pentachloroethane	ND		0.405	0.0372	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:09	1.00
Pentachlorophenol	ND	J	2.05	0.0618	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:09	1.00
Phenanthrene	ND		0.405	0.0271	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:09	1.00
Phenol	ND		0.405	0.0402	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:09	1.00
Pyrene	ND		0.405	0.0286	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:09	1.00
Pyridine	ND		0.405	0.0473	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:09	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*73*		*42 - 136*	*05/30/12 17:00*	*06/01/12 17:09*	*1.00*
2-Fluorobiphenyl	*68*		*42 - 129*	*05/30/12 17:00*	*06/01/12 17:09*	*1.00*
2-Fluorophenol	*70*		*36 - 114*	*05/30/12 17:00*	*06/01/12 17:09*	*1.00*
Nitrobenzene-d5	*68*		*40 - 122*	*05/30/12 17:00*	*06/01/12 17:09*	*1.00*
Phenol-d5	*68*		*38 - 125*	*05/30/12 17:00*	*06/01/12 17:09*	*1.00*
Terphenyl-d14	*71*		*44 - 127*	*05/30/12 17:00*	*06/01/12 17:09*	*1.00*

Method: 6020 - Total Metals by SW846 Series Methods

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**4.61**		0.580	0.133	mg/kg dry	☼	05/31/12 10:45	05/31/12 19:02	5.00
Barium	**175**	**B**	5.80	0.0108	mg/kg dry	☼	05/31/12 10:45	05/31/12 19:02	5.00
Cadmium	**0.400**	**J**	0.580	0.0145	mg/kg dry	☼	05/31/12 10:45	05/31/12 19:02	5.00
Chromium	**18.1**		0.580	0.381	mg/kg dry	☼	05/31/12 10:45	05/31/12 19:02	5.00
Lead	**44.5**		0.580	0.0284	mg/kg dry	☼	05/31/12 10:45	05/31/12 19:02	5.00
Selenium	ND		0.580	0.216	mg/kg dry	☼	05/31/12 10:45	05/31/12 19:02	5.00
Silver	ND		0.580	0.139	mg/kg dry	☼	05/31/12 10:45	05/31/12 19:02	5.00

Method: 7471A - Total Metals by SW846 Series Methods

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0124**	**J**	0.101	0.00687	mg/kg dry	☼	05/31/12 11:15	05/31/12 15:50	1.00

Method: ASTM D2216-90 - General Chemistry Parameters

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Dry Weight	**81.3**		0.500		%		05/23/12 16:31	05/24/12 10:31	1.00

Client Sample Results

Client: TITAN Engineering, Inc.
Project/Site: 583-01

TestAmerica Job ID: AVE0225

Client Sample ID: TMW-4 1

Date Collected: 05/16/12 12:45
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-27

Matrix: Sol
Percent Solids: 8

Method: SW846 9045C - General Chemistry Parameters

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	9.03		0.100		pH Units		05/30/12 13:48	05/30/12 17:15	1.00

Client Sample Results

Client: TITAN Engineering, Inc.
Project/Site: 583-01

TestAmerica Job ID: AVE0225

Client Sample ID: TMW-4 4.5
Date Collected: 05/16/12 12:50
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-28
Matrix: Solid
Percent Solids: 79.9

Method: 8260B - Volatile Organic Compounds by SW846 8260B

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.00625	0.00207	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:12	1.00
1,1,1-Trichloroethane	ND		0.00625	0.00162	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:12	1.00
1,1,2,2-Tetrachloroethane	ND		0.00625	0.00398	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:12	1.00
1,1,2-Trichloroethane	ND		0.00625	0.00277	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:12	1.00
1,1-Dichloroethane	ND		0.00625	0.000843	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:12	1.00
1,1-Dichloroethene	ND		0.00625	0.00108	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:12	1.00
1,2,4-Trimethylbenzene	ND		0.00625	0.00251	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:12	1.00
1,2-Dibromoethane (EDB)	ND		0.00625	0.00188	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:12	1.00
1,2-Dichlorobenzene	ND		0.00625	0.00305	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:12	1.00
1,2-Dichloroethane	ND		0.00625	0.00108	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:12	1.00
1,2-Dichloropropane	ND		0.00625	0.000851	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:12	1.00
1,3-Dichlorobenzene	ND		0.00625	0.00242	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:12	1.00
1,4-Dichlorobenzene	ND		0.00625	0.00236	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:12	1.00
2-Butanone (MEK)	**0.0147**		0.0125	0.00574	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:12	1.00
2-Hexanone	ND		0.0125	0.00429	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:12	1.00
4-Isopropyltoluene	ND		0.00625	0.00211	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:12	1.00
4-Methyl-2-pentanone (MIBK)	ND		0.0125	0.00319	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:12	1.00
Acetone	**0.0418**	**J**	0.0625	0.00595	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:12	1.00
Benzene	ND		0.00625	0.000974	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:12	1.00
Bromobenzene	ND		0.00625	0.00289	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:12	1.00
Bromochloromethane	ND		0.00625	0.000996	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:12	1.00
Bromodichloromethane	ND		0.00625	0.000853	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:12	1.00
Bromoethane	ND		0.0125	0.00140	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:12	1.00
Bromoform	ND		0.00625	0.00154	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:12	1.00
Bromomethane	ND		0.0125	0.00115	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:12	1.00
Carbon disulfide	ND		0.00625	0.00124	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:12	1.00
Carbon tetrachloride	ND		0.00625	0.00142	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:12	1.00
Chlorobenzene	ND		0.00625	0.00108	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:12	1.00
Chlorodibromomethane	ND		0.00625	0.00222	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:12	1.00
Chloroethane	ND		0.0125	0.00191	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:12	1.00
Chloroform	ND		0.00625	0.000912	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:12	1.00
Chloromethane	ND		0.0125	0.00377	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:12	1.00
cis-1,2-Dichloroethene	ND		0.00625	0.000793	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:12	1.00
cis-1,3-Dichloropropene	ND		0.00625	0.00163	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:12	1.00
Dibromomethane	ND		0.00625	0.00111	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:12	1.00
Dichlorodifluoromethane	ND		0.0250	0.0125	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:12	1.00
Ethylbenzene	ND		0.00625	0.00151	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:12	1.00
Hexachlorobutadiene	ND		0.00625	0.00227	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:12	1.00
Isopropylbenzene	ND		0.00625	0.00227	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:12	1.00
Methyl tert-Butyl Ether	ND		0.00625	0.00108	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:12	1.00
Methylene chloride	ND		0.00625	0.00132	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:12	1.00
n-Butylbenzene	ND		0.00625	0.00207	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:12	1.00
n-Propylbenzene	ND		0.00625	0.00228	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:12	1.00
sec-Butylbenzene	ND		0.00625	0.00263	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:12	1.00
Styrene	ND		0.00625	0.00205	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:12	1.00
tert-Butylbenzene	ND		0.00625	0.00237	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:12	1.00
Tetrachloroethene	ND		0.00625	0.00197	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:12	1.00
Toluene	ND		0.00625	0.00124	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:12	1.00
trans-1,2-Dichloroethene	ND		0.00625	0.00106	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:12	1.00
trans-1,3-Dichloropropene	ND		0.00625	0.00206	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:12	1.00
Trichloroethene	ND		0.00625	0.00118	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:12	1.00

Client Sample ID: TMW-4 4.5

Date Collected: 05/16/12 12:50
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-28

Matrix: Soil
Percent Solids: 79.

Method: 8260B - Volatile Organic Compounds by SW846 8260B (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		0.0125	0.00129	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:12	1.00
Vinyl chloride	ND		0.00625	0.00184	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:12	1.00
Xylenes, total	ND		0.0187	0.00375	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:12	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*114*		*67 - 127*	*05/23/12 13:08*	*05/23/12 21:12*	*1.00*
4-Bromofluorobenzene	*106*		*59 - 119*	*05/23/12 13:08*	*05/23/12 21:12*	*1.00*
Dibromofluoromethane	*99*		*69 - 129*	*05/23/12 13:08*	*05/23/12 21:12*	*1.00*
Toluene-d8	*100*		*76 - 136*	*05/23/12 13:08*	*05/23/12 21:12*	*1.00*

Method: 8270C - Acid and Base/Neutral Extractables by SW846 TRRP

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.412	0.0561	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:31	1.00
1,2-Diphenylhydrazine	ND		0.412	0.0527	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:31	1.00
2,4,5-Trichlorophenol	ND		0.412	0.0428	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:31	1.00
2,4,6-Trichlorophenol	ND		0.412	0.0549	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:31	1.00
2,4-Dichlorophenol	ND		0.412	0.0542	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:31	1.00
2,4-Dimethylphenol	ND		0.412	0.0982	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:31	1.00
2,4-Dinitrophenol	ND		2.09	0.834	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:31	1.00
2,4-Dinitrotoluene	ND		0.412	0.197	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:31	1.00
2,6-Dinitrotoluene	ND		0.412	0.0512	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:31	1.00
2-Chloronaphthalene	ND		0.412	0.0391	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:31	1.00
2-Chlorophenol	ND		0.412	0.0364	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:31	1
2-Methylnaphthalene	ND		0.412	0.0401	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:31	1.00
2-Methylphenol	ND		0.412	0.0498	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:31	1.00
2-Nitroaniline	ND		0.412	0.0531	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:31	1.00
2-Nitrophenol	ND		0.412	0.0787	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:31	1.00
3 & 4 Methylphenol	ND		0.412	0.0810	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:31	1.00
3,3'-Dichlorobenzidine	ND		2.09	0.0669	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:31	1.00
3-Nitroaniline	ND		0.412	0.0398	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:31	1.00
4,6-Dinitro-2-methylphenol	ND		2.09	0.250	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:31	1.00
4-Bromophenyl phenyl ether	ND		0.412	0.0377	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:31	1.00
4-Chloro-3-methylphenol	ND		0.412	0.0659	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:31	1.00
4-Chloroaniline	ND		0.412	0.0469	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:31	1.00
4-Chlorophenyl phenyl ether	ND		0.412	0.0319	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:31	1.00
4-Nitroaniline	ND		0.412	0.125	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:31	1.00
4-Nitrophenol	ND		2.09	0.189	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:31	1.00
Acenaphthene	ND		0.412	0.0433	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:31	1.00
Acenaphthylene	ND		0.412	0.0409	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:31	1.00
Anthracene	ND		0.412	0.0308	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:31	1.00
Benzo[a]anthracene	ND		0.412	0.0248	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:31	1.00
Benzo[a]pyrene	ND		0.412	0.0284	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:31	1.00
Benzo[b]fluoranthene	ND		0.412	0.0652	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:31	1.00
Benzo[g,h,i]perylene	ND		0.412	0.0335	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:31	1.00
Benzo[k]fluoranthene	ND		0.412	0.0496	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:31	1.00
Bis(2-chloroethoxy)methane	ND		0.412	0.0406	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:31	1.00
Bis(2-chloroethyl)ether	ND		0.412	0.0428	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:31	1.00
Bis(2-chloroisopropyl) ether	ND		0.412	0.0340	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:31	1.00
Bis(2-ethylhexyl) phthalate	**0.0752**	**J**	0.412	0.0523	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:31	1
Butyl benzyl phthalate	**0.231**	**J**	0.412	0.0326	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:31	1.00
Chrysene	ND		0.412	0.0283	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:31	1.00

Client Sample ID: TMW-4 4.5

Date Collected: 05/16/12 12:50
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-28

Matrix: Solid
Percent Solids: 79.9

Method: 8270C - Acid and Base/Neutral Extractables by SW846 TRRP (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz[a,h]anthracene	ND		0.412	0.105	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:31	1.00
Dibenzofuran	ND		0.412	0.0448	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:31	1.00
Diethyl phthalate	ND		0.412	0.0268	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:31	1.00
Dimethyl phthalate	ND		0.412	0.0298	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:31	1.00
Di-n-butyl phthalate	ND		0.412	0.0307	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:31	1.00
Di-n-octyl phthalate	ND		0.412	0.151	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:31	1.00
Diphenylamine	ND		0.412	0.0284	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:31	1.00
Fluoranthene	ND		0.412	0.0305	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:31	1.00
Fluorene	ND		0.412	0.0289	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:31	1.00
Hexachlorobenzene	ND		0.412	0.0350	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:31	1.00
Hexachlorobutadiene	ND		0.412	0.0507	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:31	1.00
Hexachlorocyclopentadiene	ND	JL	2.09	0.211	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:31	1.00
Hexachloroethane	ND		0.412	0.0538	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:31	1.00
Isophorone	ND		0.412	0.0534	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:31	1.00
Naphthalene	ND		0.412	0.0397	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:31	1.00
Nitrobenzene	ND		0.412	0.0614	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:31	1.00
N-Nitrosodi-n-propylamine	ND		0.412	0.0304	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:31	1.00
N-Nitrosodiphenylamine	ND		0.412	0.0284	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:31	1.00
Pentachloroethane	ND		0.412	0.0379	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:31	1.00
Pentachlorophenol	ND	J	2.09	0.0630	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:31	1.00
Phenanthrene	ND		0.412	0.0276	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:31	1.00
Phenol	ND		0.412	0.0410	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:31	1.00
Pyrene	ND		0.412	0.0291	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:31	1.00
Pyridine	ND		0.412	0.0482	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:31	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*69*		*42 - 136*	*05/30/12 17:00*	*06/01/12 17:31*	*1.00*
2-Fluorobiphenyl	*69*		*42 - 129*	*05/30/12 17:00*	*06/01/12 17:31*	*1.00*
2-Fluorophenol	*72*		*36 - 114*	*05/30/12 17:00*	*06/01/12 17:31*	*1.00*
Nitrobenzene-d5	*68*		*40 - 122*	*05/30/12 17:00*	*06/01/12 17:31*	*1.00*
Phenol-d5	*69*		*38 - 125*	*05/30/12 17:00*	*06/01/12 17:31*	*1.00*
Terphenyl-d14	*73*		*44 - 127*	*05/30/12 17:00*	*06/01/12 17:31*	*1.00*

Method: 6020 - Total Metals by SW846 Series Methods

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**3.53**		0.626	0.143	mg/kg dry	☼	05/31/12 10:45	05/31/12 19:07	5.00
Barium	**154**	**B**	6.26	0.0116	mg/kg dry	☼	05/31/12 10:45	05/31/12 19:07	5.00
Cadmium	**0.203**	**J**	0.626	0.0156	mg/kg dry	☼	05/31/12 10:45	05/31/12 19:07	5.00
Chromium	**17.2**		0.626	0.411	mg/kg dry	☼	05/31/12 10:45	05/31/12 19:07	5.00
Lead	**16.1**		0.626	0.0307	mg/kg dry	☼	05/31/12 10:45	05/31/12 19:07	5.00
Selenium	ND		0.626	0.233	mg/kg dry	☼	05/31/12 10:45	05/31/12 19:07	5.00
Silver	ND		0.626	0.150	mg/kg dry	☼	05/31/12 10:45	05/31/12 19:07	5.00

Method: 7471A - Total Metals by SW846 Series Methods

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.00861**	**J**	0.112	0.00762	mg/kg dry	☼	05/31/12 11:15	05/31/12 15:52	1.00

Method: ASTM D2216-90 - General Chemistry Parameters

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Dry Weight	**79.9**		0.500		%		05/23/12 16:31	05/24/12 10:33	1.00

Client Sample Results

Client: TITAN Engineering, Inc.
Project/Site: 583-01

TestAmerica Job ID: AVE0225

Client Sample ID: TMW-4 4.5

Date Collected: 05/16/12 12:50
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-28

Matrix: Sol
Percent Solids: 79.

Method: SW846 9045C - General Chemistry Parameters

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.33		0.100		pH Units		05/30/12 13:48	05/30/12 17:15	1.00

Client Sample Results

Client: TITAN Engineering, Inc.
Project/Site: 583-01

TestAmerica Job ID: AVE0225

Client Sample ID: TMW-5 1
Date Collected: 05/16/12 13:55
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-29
Matrix: Solid
Percent Solids: 81.7

Method: 8260B - Volatile Organic Compounds by SW846 8260B

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.00610	0.00203	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:36	1.00
1,1,1-Trichloroethane	ND		0.00610	0.00158	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:36	1.00
1,1,2,2-Tetrachloroethane	ND		0.00610	0.00389	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:36	1.00
1,1,2-Trichloroethane	ND		0.00610	0.00271	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:36	1.00
1,1-Dichloroethane	ND		0.00610	0.000824	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:36	1.00
1,1-Dichloroethene	ND		0.00610	0.00105	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:36	1.00
1,2,4-Trimethylbenzene	ND		0.00610	0.00246	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:36	1.00
1,2-Dibromoethane (EDB)	ND		0.00610	0.00184	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:36	1.00
1,2-Dichlorobenzene	ND		0.00610	0.00298	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:36	1.00
1,2-Dichloroethane	ND		0.00610	0.00105	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:36	1.00
1,2-Dichloropropane	ND		0.00610	0.000831	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:36	1.00
1,3-Dichlorobenzene	ND		0.00610	0.00237	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:36	1.00
1,4-Dichlorobenzene	ND		0.00610	0.00230	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:36	1.00
2-Butanone (MEK)	ND		0.0122	0.00561	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:36	1.00
2-Hexanone	ND		0.0122	0.00419	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:36	1.00
4-Isopropyltoluene	ND		0.00610	0.00206	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:36	1.00
4-Methyl-2-pentanone (MIBK)	ND		0.0122	0.00312	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:36	1.00
Acetone	ND		0.0610	0.00581	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:36	1.00
Benzene	ND		0.00610	0.000952	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:36	1.00
Bromobenzene	ND		0.00610	0.00282	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:36	1.00
Bromochloromethane	ND		0.00610	0.000973	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:36	1.00
omodichloromethane	ND		0.00610	0.000834	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:36	1.00
Bromoethane	ND		0.0122	0.00137	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:36	1.00
Bromoform	ND		0.00610	0.00151	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:36	1.00
Bromomethane	ND		0.0122	0.00112	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:36	1.00
Carbon disulfide	ND		0.00610	0.00122	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:36	1.00
Carbon tetrachloride	ND		0.00610	0.00139	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:36	1.00
Chlorobenzene	ND		0.00610	0.00105	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:36	1.00
Chlorodibromomethane	ND		0.00610	0.00217	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:36	1.00
Chloroethane	ND		0.0122	0.00187	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:36	1.00
Chloroform	ND		0.00610	0.000891	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:36	1.00
Chloromethane	ND		0.0122	0.00368	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:36	1.00
cis-1,2-Dichloroethene	ND		0.00610	0.000775	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:36	1.00
cis-1,3-Dichloropropene	ND		0.00610	0.00159	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:36	1.00
Dibromomethane	ND		0.00610	0.00108	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:36	1.00
Dichlorodifluoromethane	ND		0.0244	0.0122	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:36	1.00
Ethylbenzene	ND		0.00610	0.00148	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:36	1.00
Hexachlorobutadiene	ND		0.00610	0.00222	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:36	1.00
Isopropylbenzene	ND		0.00610	0.00221	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:36	1.00
Methyl tert-Butyl Ether	ND		0.00610	0.00105	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:36	1.00
Methylene chloride	ND		0.00610	0.00129	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:36	1.00
n-Butylbenzene	ND		0.00610	0.00202	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:36	1.00
n-Propylbenzene	ND		0.00610	0.00223	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:36	1.00
sec-Butylbenzene	ND		0.00610	0.00257	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:36	1.00
Styrene	ND		0.00610	0.00200	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:36	1.00
tert-Butylbenzene	ND		0.00610	0.00232	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:36	1.00
Tetrachloroethene	ND		0.00610	0.00192	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:36	1.00
luene	ND		0.00610	0.00121	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:36	1.00
trans-1,2-Dichloroethene	ND		0.00610	0.00104	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:36	1.00
trans-1,3-Dichloropropene	ND		0.00610	0.00202	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:36	1.00
Trichloroethene	ND		0.00610	0.00115	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:36	1.00

Client Sample ID: TMW-5 1

Date Collected: 05/16/12 13:55
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-29

Matrix: Sol
Percent Solids: 8

Method: 8260B - Volatile Organic Compounds by SW846 8260B (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		0.0122	0.00126	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:36	1.00
Vinyl chloride	ND		0.00610	0.00180	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:36	1.00
Xylenes, total	ND		0.0183	0.00366	mg/kg dry	☼	05/23/12 13:08	05/23/12 21:36	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*118*		*67 - 127*	*05/23/12 13:08*	*05/23/12 21:36*	*1.00*
4-Bromofluorobenzene	*107*		*59 - 119*	*05/23/12 13:08*	*05/23/12 21:36*	*1.00*
Dibromofluoromethane	*100*		*69 - 129*	*05/23/12 13:08*	*05/23/12 21:36*	*1.00*
Toluene-d8	*99*		*76 - 136*	*05/23/12 13:08*	*05/23/12 21:36*	*1.00*

Method: 8270C - Acid and Base/Neutral Extractables by SW846 TRRP

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.404	0.0549	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:53	1.00
1,2-Diphenylhydrazine	ND		0.404	0.0515	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:53	1.00
2,4,5-Trichlorophenol	ND	J	0.404	0.0419	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:53	1.00
2,4,6-Trichlorophenol	ND	J	0.404	0.0537	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:53	1.00
2,4-Dichlorophenol	ND		0.404	0.0531	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:53	1.00
2,4-Dimethylphenol	ND		0.404	0.0961	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:53	1.00
2,4-Dinitrophenol	ND		2.04	0.816	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:53	1.00
2,4-Dinitrotoluene	ND		0.404	0.192	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:53	1.00
2,6-Dinitrotoluene	ND		0.404	0.0501	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:53	1.00
2-Chloronaphthalene	ND		0.404	0.0383	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:53	1.00
2-Chlorophenol	ND		0.404	0.0356	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:53	1
2-Methylnaphthalene	ND		0.404	0.0393	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:53	1.00
2-Methylphenol	ND		0.404	0.0487	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:53	1.00
2-Nitroaniline	ND		0.404	0.0520	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:53	1.00
2-Nitrophenol	ND		0.404	0.0771	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:53	1.00
3 & 4 Methylphenol	ND		0.404	0.0792	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:53	1.00
3,3'-Dichlorobenzidine	ND		2.04	0.0654	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:53	1.00
3-Nitroaniline	ND		0.404	0.0390	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:53	1.00
4,6-Dinitro-2-methylphenol	ND		2.04	0.245	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:53	1.00
4-Bromophenyl phenyl ether	ND		0.404	0.0369	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:53	1.00
4-Chloro-3-methylphenol	ND		0.404	0.0645	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:53	1.00
4-Chloroaniline	ND		0.404	0.0459	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:53	1.00
4-Chlorophenyl phenyl ether	ND		0.404	0.0313	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:53	1.00
4-Nitroaniline	ND		0.404	0.122	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:53	1.00
4-Nitrophenol	ND		2.04	0.185	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:53	1.00
Acenaphthene	ND		0.404	0.0424	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:53	1.00
Acenaphthylene	ND		0.404	0.0401	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:53	1.00
Anthracene	ND		0.404	0.0302	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:53	1.00
Benzo[a]anthracene	ND		0.404	0.0243	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:53	1.00
Benzo[a]pyrene	ND		0.404	0.0278	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:53	1.00
Benzo[b]fluoranthene	ND		0.404	0.0638	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:53	1.00
Benzo[g,h,i]perylene	ND		0.404	0.0328	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:53	1.00
Benzo[k]fluoranthene	ND		0.404	0.0486	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:53	1.00
Bis(2-chloroethoxy)methane	ND		0.404	0.0397	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:53	1.00
Bis(2-chloroethyl)ether	**0.204**	**J**	0.404	0.0419	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:53	1.00
Bis(2-chloroisopropyl) ether	ND		0.404	0.0333	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:53	1.00
Bis(2-ethylhexyl) phthalate	ND		0.404	0.0512	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:53	1
Butyl benzyl phthalate	ND		0.404	0.0319	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:53	1.00
Chrysene	ND		0.404	0.0277	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:53	1.00

Client Sample ID: TMW-5 1

Lab Sample ID: AVE0225-29

Date Collected: 05/16/12 13:55
Date Received: 05/18/12 08:45

Matrix: Solid
Percent Solids: 81.7

Method: 8270C - Acid and Base/Neutral Extractables by SW846 TRRP (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz[a,h]anthracene	ND		0.404	0.103	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:53	1.00
Dibenzofuran	ND		0.404	0.0439	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:53	1.00
Diethyl phthalate	ND		0.404	0.0263	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:53	1.00
Dimethyl phthalate	ND		0.404	0.0291	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:53	1.00
Di-n-butyl phthalate	ND		0.404	0.0301	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:53	1.00
Di-n-octyl phthalate	ND		0.404	0.148	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:53	1.00
Diphenylamine	ND		0.404	0.0278	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:53	1.00
Fluoranthene	ND		0.404	0.0298	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:53	1.00
Fluorene	ND		0.404	0.0282	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:53	1.00
Hexachlorobenzene	ND		0.404	0.0343	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:53	1.00
Hexachlorobutadiene	ND		0.404	0.0496	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:53	1.00
Hexachlorocyclopentadiene	ND	JL	2.04	0.207	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:53	1.00
Hexachloroethane	ND		0.404	0.0526	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:53	1.00
Isophorone	ND		0.404	0.0522	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:53	1.00
Naphthalene	ND		0.404	0.0389	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:53	1.00
Nitrobenzene	ND		0.404	0.0601	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:53	1.00
N-Nitrosodi-n-propylamine	ND		0.404	0.0297	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:53	1.00
N-Nitrosodiphenylamine	ND		0.404	0.0278	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:53	1.00
Pentachloroethane	ND		0.404	0.0371	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:53	1.00
Pentachlorophenol	ND	J	2.04	0.0616	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:53	1.00
Phenanthrene	ND		0.404	0.0271	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:53	1.00
Phenol	ND		0.404	0.0401	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:53	1.00
Pyrene	ND		0.404	0.0285	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:53	1.00
Pyridine	ND		0.404	0.0472	mg/kg dry	☼	05/30/12 17:00	06/01/12 17:53	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*75*		*42 - 136*	*05/30/12 17:00*	*06/01/12 17:53*	*1.00*
2-Fluorobiphenyl	*75*		*42 - 129*	*05/30/12 17:00*	*06/01/12 17:53*	*1.00*
2-Fluorophenol	*79*		*36 - 114*	*05/30/12 17:00*	*06/01/12 17:53*	*1.00*
Nitrobenzene-d5	*74*		*40 - 122*	*05/30/12 17:00*	*06/01/12 17:53*	*1.00*
Phenol-d5	*74*		*38 - 125*	*05/30/12 17:00*	*06/01/12 17:53*	*1.00*
Terphenyl-d14	*77*		*44 - 127*	*05/30/12 17:00*	*06/01/12 17:53*	*1.00*

Method: 6020 - Total Metals by SW846 Series Methods

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**2.76**		0.514	0.117	mg/kg dry	☼	05/31/12 10:45	05/31/12 19:12	5.00
Barium	**120**	**B**	5.14	0.00956	mg/kg dry	☼	05/31/12 10:45	05/31/12 19:12	5.00
Cadmium	**0.205**	**J**	0.514	0.0128	mg/kg dry	☼	05/31/12 10:45	05/31/12 19:12	5.00
Chromium	**14.9**		0.514	0.337	mg/kg dry	☼	05/31/12 10:45	05/31/12 19:12	5.00
Lead	**16.4**		0.514	0.0252	mg/kg dry	☼	05/31/12 10:45	05/31/12 19:12	5.00
Selenium	**0.285**	**J**	0.514	0.191	mg/kg dry	☼	05/31/12 10:45	05/31/12 19:12	5.00
Silver	ND		0.514	0.123	mg/kg dry	☼	05/31/12 10:45	05/31/12 19:12	5.00

Method: 7471A - Total Metals by SW846 Series Methods

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0174**	**J**	0.101	0.00684	mg/kg dry	☼	05/31/12 11:15	05/31/12 15:53	1.00

Method: ASTM D2216-90 - General Chemistry Parameters

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Dry Weight	**81.7**		0.500		%		05/23/12 16:31	05/24/12 10:35	1.00

Client Sample Results

Client: TITAN Engineering, Inc.
Project/Site: 583-01

TestAmerica Job ID: AVE0225

Client Sample ID: TMW-5 1

Date Collected: 05/16/12 13:55
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-29

Matrix: Sol
Percent Solids: 81.

Method: SW846 9045C - General Chemistry Parameters

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.19		0.100		pH Units		05/30/12 13:48	05/30/12 17:15	1.00

Client Sample Results

Client: TITAN Engineering, Inc.
Project/Site: 583-01

TestAmerica Job ID: AVE0225

Client Sample ID: TMW-5 4.5
Date Collected: 05/16/12 14:00
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-30
Matrix: Solid
Percent Solids: 79.8

Method: 8260B - Volatile Organic Compounds by SW846 8260B

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.00623	0.00207	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:00	1.00
1,1,1-Trichloroethane	ND		0.00623	0.00161	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:00	1.00
1,1,2,2-Tetrachloroethane	ND		0.00623	0.00397	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:00	1.00
1,1,2-Trichloroethane	ND		0.00623	0.00276	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:00	1.00
1,1-Dichloroethane	ND		0.00623	0.000841	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:00	1.00
1,1-Dichloroethene	ND		0.00623	0.00107	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:00	1.00
1,2,4-Trimethylbenzene	ND		0.00623	0.00251	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:00	1.00
1,2-Dibromoethane (EDB)	ND		0.00623	0.00188	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:00	1.00
1,2-Dichlorobenzene	ND		0.00623	0.00304	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:00	1.00
1,2-Dichloroethane	ND		0.00623	0.00107	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:00	1.00
1,2-Dichloropropane	ND		0.00623	0.000848	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:00	1.00
1,3-Dichlorobenzene	ND		0.00623	0.00241	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:00	1.00
1,4-Dichlorobenzene	ND		0.00623	0.00235	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:00	1.00
2-Butanone (MEK)	ND		0.0125	0.00573	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:00	1.00
2-Hexanone	ND		0.0125	0.00427	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:00	1.00
4-Isopropyltoluene	ND		0.00623	0.00211	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:00	1.00
4-Methyl-2-pentanone (MIBK)	ND		0.0125	0.00318	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:00	1.00
Acetone	ND		0.0623	0.00593	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:00	1.00
Benzene	ND		0.00623	0.000972	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:00	1.00
Bromobenzene	ND		0.00623	0.00288	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:00	1.00
Bromochloromethane	ND		0.00623	0.000993	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:00	1.00
Bromodichloromethane	ND		0.00623	0.000851	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:00	1.00
Bromoethane	ND		0.0125	0.00140	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:00	1.00
Bromoform	ND		0.00623	0.00154	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:00	1.00
Bromomethane	ND		0.0125	0.00115	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:00	1.00
Carbon disulfide	ND		0.00623	0.00124	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:00	1.00
Carbon tetrachloride	ND		0.00623	0.00142	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:00	1.00
Chlorobenzene	ND		0.00623	0.00108	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:00	1.00
Chlorodibromomethane	ND		0.00623	0.00221	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:00	1.00
Chloroethane	ND		0.0125	0.00191	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:00	1.00
Chloroform	ND		0.00623	0.000910	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:00	1.00
Chloromethane	ND		0.0125	0.00376	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:00	1.00
cis-1,2-Dichloroethene	ND		0.00623	0.000791	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:00	1.00
cis-1,3-Dichloropropene	ND		0.00623	0.00163	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:00	1.00
Dibromomethane	ND		0.00623	0.00111	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:00	1.00
Dichlorodifluoromethane	ND		0.0249	0.0125	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:00	1.00
Ethylbenzene	ND		0.00623	0.00151	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:00	1.00
Hexachlorobutadiene	ND		0.00623	0.00226	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:00	1.00
Isopropylbenzene	ND		0.00623	0.00226	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:00	1.00
Methyl tert-Butyl Ether	ND		0.00623	0.00108	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:00	1.00
Methylene chloride	ND		0.00623	0.00132	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:00	1.00
n-Butylbenzene	ND		0.00623	0.00206	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:00	1.00
n-Propylbenzene	ND		0.00623	0.00228	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:00	1.00
sec-Butylbenzene	ND		0.00623	0.00262	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:00	1.00
Styrene	ND		0.00623	0.00205	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:00	1.00
tert-Butylbenzene	ND		0.00623	0.00236	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:00	1.00
Tetrachloroethene	ND		0.00623	0.00196	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:00	1.00
Toluene	ND		0.00623	0.00124	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:00	1.00
trans-1,2-Dichloroethene	ND		0.00623	0.00106	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:00	1.00
trans-1,3-Dichloropropene	ND		0.00623	0.00206	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:00	1.00
Trichloroethene	ND		0.00623	0.00118	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:00	1.00

Client Sample ID: TMW-5 4.5

Date Collected: 05/16/12 14:00
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-30

Matrix: Soil
Percent Solids: 79.

Method: 8260B - Volatile Organic Compounds by SW846 8260B (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		0.0125	0.00129	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:00	1.00
Vinyl chloride	ND		0.00623	0.00183	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:00	1.00
Xylenes, total	ND		0.0187	0.00374	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:00	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*110*		*67 - 127*	*05/23/12 13:08*	*05/23/12 22:00*	*1.00*
4-Bromofluorobenzene	*104*		*59 - 119*	*05/23/12 13:08*	*05/23/12 22:00*	*1.00*
Dibromofluoromethane	*98*		*69 - 129*	*05/23/12 13:08*	*05/23/12 22:00*	*1.00*
Toluene-d8	*98*		*76 - 136*	*05/23/12 13:08*	*05/23/12 22:00*	*1.00*

Method: 8270C - Acid and Base/Neutral Extractables by SW846 TRRP

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.413	0.0563	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:15	1.00
1,2-Diphenylhydrazine	ND		0.413	0.0528	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:15	1.00
2,4,5-Trichlorophenol	ND	J	0.413	0.0430	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:15	1.00
2,4,6-Trichlorophenol	ND	J	0.413	0.0550	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:15	1.00
2,4-Dichlorophenol	ND		0.413	0.0543	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:15	1.00
2,4-Dimethylphenol	ND		0.413	0.0985	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:15	1.00
2,4-Dinitrophenol	ND		2.09	0.836	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:15	1.00
2,4-Dinitrotoluene	ND		0.413	0.197	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:15	1.00
2,6-Dinitrotoluene	ND		0.413	0.0513	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:15	1.00
2-Chloronaphthalene	ND		0.413	0.0392	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:15	1.00
2-Chlorophenol	ND		0.413	0.0365	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:15	1.00
2-Methylnaphthalene	ND		0.413	0.0402	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:15	1.00
2-Methylphenol	ND		0.413	0.0499	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:15	1.00
2-Nitroaniline	ND		0.413	0.0532	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:15	1.00
2-Nitrophenol	ND		0.413	0.0789	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:15	1.00
3 & 4 Methylphenol	ND		0.413	0.0812	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:15	1.00
3,3'-Dichlorobenzidine	ND		2.09	0.0670	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:15	1.00
3-Nitroaniline	ND		0.413	0.0399	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:15	1.00
4,6-Dinitro-2-methylphenol	ND		2.09	0.251	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:15	1.00
4-Bromophenyl phenyl ether	ND		0.413	0.0378	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:15	1.00
4-Chloro-3-methylphenol	ND		0.413	0.0661	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:15	1.00
4-Chloroaniline	ND		0.413	0.0470	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:15	1.00
4-Chlorophenyl phenyl ether	ND		0.413	0.0320	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:15	1.00
4-Nitroaniline	ND		0.413	0.125	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:15	1.00
4-Nitrophenol	ND		2.09	0.189	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:15	1.00
Acenaphthene	ND		0.413	0.0435	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:15	1.00
Acenaphthylene	ND		0.413	0.0410	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:15	1.00
Anthracene	ND		0.413	0.0309	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:15	1.00
Benzo[a]anthracene	ND		0.413	0.0249	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:15	1.00
Benzo[a]pyrene	ND		0.413	0.0285	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:15	1.00
Benzo[b]fluoranthene	ND		0.413	0.0654	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:15	1.00
Benzo[g,h,i]perylene	ND		0.413	0.0336	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:15	1.00
Benzo[k]fluoranthene	ND		0.413	0.0498	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:15	1.00
Bis(2-chloroethoxy)methane	ND		0.413	0.0407	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:15	1.00
Bis(2-chloroethyl)ether	ND		0.413	0.0429	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:15	1.00
Bis(2-chloroisopropyl) ether	ND		0.413	0.0341	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:15	1.00
Bis(2-ethylhexyl) phthalate	ND		0.413	0.0525	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:15	1.00
Butyl benzyl phthalate	ND		0.413	0.0327	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:15	1.00
Chrysene	ND		0.413	0.0283	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:15	1.00

Client Sample ID: TMW-5 4.5

e Collected: 05/16/12 14:00
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-30

Matrix: Solid
Percent Solids: 79.8

Method: 8270C - Acid and Base/Neutral Extractables by SW846 TRRP (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz[a,h]anthracene	ND		0.413	0.105	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:15	1.00
Dibenzofuran	ND		0.413	0.0449	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:15	1.00
Diethyl phthalate	ND		0.413	0.0269	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:15	1.00
Dimethyl phthalate	ND		0.413	0.0298	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:15	1.00
Di-n-butyl phthalate	ND		0.413	0.0308	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:15	1.00
Di-n-octyl phthalate	ND		0.413	0.152	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:15	1.00
Diphenylamine	ND		0.413	0.0284	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:15	1.00
Fluoranthene	ND		0.413	0.0306	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:15	1.00
Fluorene	ND		0.413	0.0289	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:15	1.00
Hexachlorobenzene	ND		0.413	0.0351	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:15	1.00
Hexachlorobutadiene	ND		0.413	0.0508	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:15	1.00
Hexachlorocyclopentadiene	ND	JL	2.09	0.212	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:15	1.00
Hexachloroethane	ND		0.413	0.0539	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:15	1.00
Isophorone	ND		0.413	0.0535	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:15	1.00
Naphthalene	ND		0.413	0.0398	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:15	1.00
Nitrobenzene	ND		0.413	0.0615	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:15	1.00
N-Nitrosodi-n-propylamine	ND		0.413	0.0305	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:15	1.00
N-Nitrosodiphenylamine	ND		0.413	0.0284	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:15	1.00
Pentachloroethane	ND		0.413	0.0380	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:15	1.00
Pentachlorophenol	ND	J	2.09	0.0631	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:15	1.00
Phenanthrene	ND		0.413	0.0277	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:15	1.00
henol	ND		0.413	0.0411	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:15	1.00
yrene	ND		0.413	0.0292	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:15	1.00
Pyridine	ND		0.413	0.0483	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:15	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*71*		*42 - 136*	*05/30/12 17:00*	*06/01/12 18:15*	*1.00*
2-Fluorobiphenyl	*73*		*42 - 129*	*05/30/12 17:00*	*06/01/12 18:15*	*1.00*
2-Fluorophenol	*75*		*36 - 114*	*05/30/12 17:00*	*06/01/12 18:15*	*1.00*
Nitrobenzene-d5	*71*		*40 - 122*	*05/30/12 17:00*	*06/01/12 18:15*	*1.00*
Phenol-d5	*72*		*38 - 125*	*05/30/12 17:00*	*06/01/12 18:15*	*1.00*
Terphenyl-d14	*74*		*44 - 127*	*05/30/12 17:00*	*06/01/12 18:15*	*1.00*

Method: 6020 - Total Metals by SW846 Series Methods

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**2.00**		0.570	0.130	mg/kg dry	☼	05/31/12 10:45	05/31/12 19:17	5.00
Barium	**155**	**B**	5.70	0.0106	mg/kg dry	☼	05/31/12 10:45	05/31/12 19:17	5.00
Cadmium	**0.189**	**J**	0.570	0.0142	mg/kg dry	☼	05/31/12 10:45	05/31/12 19:17	5.00
Chromium	**18.4**		0.570	0.374	mg/kg dry	☼	05/31/12 10:45	05/31/12 19:17	5.00
Lead	**14.1**		0.570	0.0279	mg/kg dry	☼	05/31/12 10:45	05/31/12 19:17	5.00
Selenium	**0.214**	**J**	0.570	0.212	mg/kg dry	☼	05/31/12 10:45	05/31/12 19:17	5.00
Silver	ND		0.570	0.137	mg/kg dry	☼	05/31/12 10:45	05/31/12 19:17	5.00

Method: 7471A - Total Metals by SW846 Series Methods

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.112	0.00763	mg/kg dry	☼	05/31/12 11:15	05/31/12 15:55	1.00

Method: ASTM D2216-90 - General Chemistry Parameters

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Dry Weight	**79.8**		0.500		%		05/23/12 16:31	05/24/12 10:37	1.00

Client Sample Results

Client: TITAN Engineering, Inc.
Project/Site: 583-01

TestAmerica Job ID: AVE0225

Client Sample ID: TMW-5 4.5

Date Collected: 05/16/12 14:00
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-30

Matrix: Soil
Percent Solids: 79.

Method: SW846 9045C - General Chemistry Parameters

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.22		0.100		pH Units		05/30/12 13:48	05/30/12 17:15	1.00

Client Sample Results

Client: TITAN Engineering, Inc.
Project/Site: 583-01

TestAmerica Job ID: AVE0225

Client Sample ID: TMW-5 6
Date Collected: 05/16/12 14:05
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-31
Matrix: Solid
Percent Solids: 83.7

Method: 8260B - Volatile Organic Compounds by SW846 8260B

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.00593	0.00197	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:23	1.00
1,1,1-Trichloroethane	ND		0.00593	0.00153	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:23	1.00
1,1,2,2-Tetrachloroethane	ND		0.00593	0.00378	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:23	1.00
1,1,2-Trichloroethane	ND		0.00593	0.00263	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:23	1.00
1,1-Dichloroethane	ND		0.00593	0.000800	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:23	1.00
1,1-Dichloroethene	ND		0.00593	0.00102	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:23	1.00
1,2,4-Trimethylbenzene	ND		0.00593	0.00238	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:23	1.00
1,2-Dibromoethane (EDB)	ND		0.00593	0.00179	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:23	1.00
1,2-Dichlorobenzene	ND		0.00593	0.00289	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:23	1.00
1,2-Dichloroethane	ND		0.00593	0.00102	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:23	1.00
1,2-Dichloropropane	ND		0.00593	0.000807	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:23	1.00
1,3-Dichlorobenzene	ND		0.00593	0.00230	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:23	1.00
1,4-Dichlorobenzene	ND		0.00593	0.00224	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:23	1.00
2-Butanone (MEK)	**0.0135**		0.0119	0.00545	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:23	1.00
2-Hexanone	ND		0.0119	0.00407	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:23	1.00
4-Isopropyltoluene	ND		0.00593	0.00200	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:23	1.00
4-Methyl-2-pentanone (MIBK)	ND		0.0119	0.00303	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:23	1.00
Acetone	**0.0423**	**J**	0.0593	0.00564	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:23	1.00
Benzene	ND		0.00593	0.000924	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:23	1.00
Bromobenzene	ND		0.00593	0.00274	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:23	1.00
Bromochloromethane	ND		0.00593	0.000945	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:23	1.00
romodichloromethane	ND		0.00593	0.000809	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:23	1.00
Bromoethane	ND		0.0119	0.00133	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:23	1.00
Bromoform	ND		0.00593	0.00146	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:23	1.00
Bromomethane	ND		0.0119	0.00109	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:23	1.00
Carbon disulfide	ND		0.00593	0.00118	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:23	1.00
Carbon tetrachloride	ND		0.00593	0.00135	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:23	1.00
Chlorobenzene	ND		0.00593	0.00102	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:23	1.00
Chlorodibromomethane	ND		0.00593	0.00210	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:23	1.00
Chloroethane	ND		0.0119	0.00182	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:23	1.00
Chloroform	ND		0.00593	0.000865	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:23	1.00
Chloromethane	ND		0.0119	0.00358	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:23	1.00
cis-1,2-Dichloroethene	ND		0.00593	0.000753	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:23	1.00
cis-1,3-Dichloropropene	ND		0.00593	0.00155	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:23	1.00
Dibromomethane	ND		0.00593	0.00105	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:23	1.00
Dichlorodifluoromethane	ND		0.0237	0.0119	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:23	1.00
Ethylbenzene	ND		0.00593	0.00144	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:23	1.00
Hexachlorobutadiene	ND		0.00593	0.00215	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:23	1.00
Isopropylbenzene	ND		0.00593	0.00215	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:23	1.00
Methyl tert-Butyl Ether	ND		0.00593	0.00102	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:23	1.00
Methylene chloride	ND		0.00593	0.00126	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:23	1.00
n-Butylbenzene	ND		0.00593	0.00196	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:23	1.00
n-Propylbenzene	ND		0.00593	0.00217	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:23	1.00
sec-Butylbenzene	ND		0.00593	0.00250	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:23	1.00
Styrene	ND		0.00593	0.00195	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:23	1.00
tert-Butylbenzene	ND		0.00593	0.00225	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:23	1.00
Tetrachloroethene	ND		0.00593	0.00187	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:23	1.00
oluene	ND		0.00593	0.00118	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:23	1.00
trans-1,2-Dichloroethene	ND		0.00593	0.00101	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:23	1.00
trans-1,3-Dichloropropene	ND		0.00593	0.00196	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:23	1.00
Trichloroethene	ND		0.00593	0.00112	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:23	1.00

Client Sample ID: TMW-5 6

Lab Sample ID: AVE0225-31

Date Collected: 05/16/12 14:05

Matrix: Soli

Date Received: 05/18/12 08:45

Percent Solids: 83.

Method: 8260B - Volatile Organic Compounds by SW846 8260B (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		0.0119	0.00123	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:23	1.00
Vinyl chloride	ND		0.00593	0.00174	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:23	1.00
Xylenes, total	ND		0.0178	0.00355	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:23	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*108*		*67 - 127*	*05/23/12 13:08*	*05/23/12 22:23*	*1.00*
4-Bromofluorobenzene	*104*		*59 - 119*	*05/23/12 13:08*	*05/23/12 22:23*	*1.00*
Dibromofluoromethane	*97*		*69 - 129*	*05/23/12 13:08*	*05/23/12 22:23*	*1.00*
Toluene-d8	*99*		*76 - 136*	*05/23/12 13:08*	*05/23/12 22:23*	*1.00*

Method: ASTM D2216-90 - General Chemistry Parameters

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Dry Weight	**83.7**		0.500		%		05/23/12 16:31	05/24/12 10:39	1.00

Client Sample Results

Client: TITAN Engineering, Inc.
Project/Site: 583-01

TestAmerica Job ID: AVE0225

Client Sample ID: SB-1 1
Date Collected: 05/16/12 14:45
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-32
Matrix: Solid
Percent Solids: 80.3

Method: 8260B - Volatile Organic Compounds by SW846 8260B

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.00620	0.00206	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:57	1.00
1,1,1-Trichloroethane	ND		0.00620	0.00160	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:57	1.00
1,1,2,2-Tetrachloroethane	ND		0.00620	0.00395	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:57	1.00
1,1,2-Trichloroethane	ND		0.00620	0.00275	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:57	1.00
1,1-Dichloroethane	ND		0.00620	0.000837	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:57	1.00
1,1-Dichloroethene	ND		0.00620	0.00107	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:57	1.00
1,2,4-Trimethylbenzene	ND		0.00620	0.00249	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:57	1.00
1,2-Dibromoethane (EDB)	ND		0.00620	0.00187	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:57	1.00
1,2-Dichlorobenzene	ND		0.00620	0.00303	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:57	1.00
1,2-Dichloroethane	ND		0.00620	0.00107	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:57	1.00
1,2-Dichloropropane	ND		0.00620	0.000845	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:57	1.00
1,3-Dichlorobenzene	ND		0.00620	0.00240	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:57	1.00
1,4-Dichlorobenzene	ND		0.00620	0.00234	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:57	1.00
2-Butanone (MEK)	**0.0113**	**J**	0.0124	0.00570	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:57	1.00
2-Hexanone	ND		0.0124	0.00425	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:57	1.00
4-Isopropyltoluene	ND		0.00620	0.00210	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:57	1.00
4-Methyl-2-pentanone (MIBK)	ND		0.0124	0.00317	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:57	1.00
Acetone	**0.0445**	**J**	0.0620	0.00590	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:57	1.00
Benzene	ND		0.00620	0.000967	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:57	1.00
Bromobenzene	ND		0.00620	0.00287	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:57	1.00
Bromochloromethane	ND		0.00620	0.000988	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:57	1.00
omodichloromethane	ND		0.00620	0.000847	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:57	1.00
Bromoethane	ND		0.0124	0.00139	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:57	1.00
Bromoform	ND		0.00620	0.00153	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:57	1.00
Bromomethane	ND		0.0124	0.00114	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:57	1.00
Carbon disulfide	ND		0.00620	0.00124	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:57	1.00
Carbon tetrachloride	ND		0.00620	0.00141	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:57	1.00
Chlorobenzene	ND		0.00620	0.00107	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:57	1.00
Chlorodibromomethane	ND		0.00620	0.00220	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:57	1.00
Chloroethane	ND		0.0124	0.00190	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:57	1.00
Chloroform	ND		0.00620	0.000905	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:57	1.00
Chloromethane	ND		0.0124	0.00374	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:57	1.00
cis-1,2-Dichloroethene	ND		0.00620	0.000787	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:57	1.00
cis-1,3-Dichloropropene	ND		0.00620	0.00162	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:57	1.00
Dibromomethane	ND		0.00620	0.00110	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:57	1.00
Dichlorodifluoromethane	ND		0.0248	0.0124	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:57	1.00
Ethylbenzene	ND		0.00620	0.00150	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:57	1.00
Hexachlorobutadiene	ND		0.00620	0.00225	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:57	1.00
Isopropylbenzene	ND		0.00620	0.00225	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:57	1.00
Methyl tert-Butyl Ether	ND		0.00620	0.00107	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:57	1.00
Methylene chloride	ND		0.00620	0.00131	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:57	1.00
n-Butylbenzene	ND		0.00620	0.00205	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:57	1.00
n-Propylbenzene	ND		0.00620	0.00227	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:57	1.00
sec-Butylbenzene	ND		0.00620	0.00261	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:57	1.00
Styrene	ND		0.00620	0.00204	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:57	1.00
tert-Butylbenzene	ND		0.00620	0.00235	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:57	1.00
Tetrachloroethene	ND		0.00620	0.00195	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:57	1.00
luene	ND		0.00620	0.00123	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:57	1.00
trans-1,2-Dichloroethene	ND		0.00620	0.00105	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:57	1.00
trans-1,3-Dichloropropene	ND		0.00620	0.00205	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:57	1.00
Trichloroethene	ND		0.00620	0.00117	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:57	1.00

Client Sample ID: SB-1 1

Date Collected: 05/16/12 14:45
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-32

Matrix: Sol
Percent Solids: 8

Method: 8260B - Volatile Organic Compounds by SW846 8260B (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		0.0124	0.00128	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:57	1.00
Vinyl chloride	ND		0.00620	0.00182	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:57	1.00
Xylenes, total	ND		0.0186	0.00372	mg/kg dry	☼	05/23/12 13:08	05/23/12 23:57	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*112*		*67 - 127*	*05/23/12 13:08*	*05/23/12 23:57*	*1.00*
4-Bromofluorobenzene	*106*		*59 - 119*	*05/23/12 13:08*	*05/23/12 23:57*	*1.00*
Dibromofluoromethane	*87*		*69 - 129*	*05/23/12 13:08*	*05/23/12 23:57*	*1.00*
Toluene-d8	*99*		*76 - 136*	*05/23/12 13:08*	*05/23/12 23:57*	*1.00*

Method: 8270C - Acid and Base/Neutral Extractables by SW846 TRRP

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.410	0.0558	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:59	1.00
1,2-Diphenylhydrazine	ND		0.410	0.0523	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:59	1.00
2,4,5-Trichlorophenol	ND	J	0.410	0.0426	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:59	1.00
2,4,6-Trichlorophenol	ND	J	0.410	0.0545	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:59	1.00
2,4-Dichlorophenol	ND		0.410	0.0539	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:59	1.00
2,4-Dimethylphenol	ND		0.410	0.0976	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:59	1.00
2,4-Dinitrophenol	ND		2.07	0.829	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:59	1.00
2,4-Dinitrotoluene	ND		0.410	0.195	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:59	1.00
2,6-Dinitrotoluene	ND		0.410	0.0509	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:59	1.00
2-Chloronaphthalene	ND		0.410	0.0389	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:59	1.00
2-Chlorophenol	ND		0.410	0.0362	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:59	1
2-Methylnaphthalene	ND		0.410	0.0399	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:59	1.00
2-Methylphenol	ND		0.410	0.0495	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:59	1.00
2-Nitroaniline	ND		0.410	0.0528	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:59	1.00
2-Nitrophenol	ND		0.410	0.0783	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:59	1.00
3 & 4 Methylphenol	ND		0.410	0.0805	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:59	1.00
3,3'-Dichlorobenzidine	ND		2.07	0.0664	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:59	1.00
3-Nitroaniline	ND		0.410	0.0396	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:59	1.00
4,6-Dinitro-2-methylphenol	ND		2.07	0.248	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:59	1.00
4-Bromophenyl phenyl ether	ND		0.410	0.0375	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:59	1.00
4-Chloro-3-methylphenol	ND		0.410	0.0655	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:59	1.00
4-Chloroaniline	ND		0.410	0.0466	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:59	1.00
4-Chlorophenyl phenyl ether	ND		0.410	0.0317	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:59	1.00
4-Nitroaniline	ND		0.410	0.124	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:59	1.00
4-Nitrophenol	ND		2.07	0.188	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:59	1.00
Acenaphthene	ND		0.410	0.0431	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:59	1.00
Acenaphthylene	ND		0.410	0.0407	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:59	1.00
Anthracene	ND		0.410	0.0306	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:59	1.00
Benzo[a]anthracene	ND		0.410	0.0247	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:59	1.00
Benzo[a]pyrene	ND		0.410	0.0283	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:59	1.00
Benzo[b]fluoranthene	ND		0.410	0.0648	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:59	1.00
Benzo[g,h,i]perylene	ND		0.410	0.0333	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:59	1.00
Benzo[k]fluoranthene	ND		0.410	0.0493	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:59	1.00
Bis(2-chloroethoxy)methane	ND		0.410	0.0404	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:59	1.00
Bis(2-chloroethyl)ether	ND		0.410	0.0426	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:59	1.00
Bis(2-chloroisopropyl) ether	ND		0.410	0.0338	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:59	1.00
Bis(2-ethylhexyl) phthalate	ND		0.410	0.0520	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:59	1
Butyl benzyl phthalate	ND		0.410	0.0324	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:59	1.00
Chrysene	ND		0.410	0.0281	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:59	1.00

Client Sample Results

Client: TITAN Engineering, Inc.
Project/Site: 583-01

TestAmerica Job ID: AVE0225

Client Sample ID: SB-1 1

e Collected: 05/16/12 14:45
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-32

Matrix: Solid
Percent Solids: 80.3

Method: 8270C - Acid and Base/Neutral Extractables by SW846 TRRP (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz[a,h]anthracene	ND		0.410	0.104	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:59	1.00
Dibenzofuran	ND		0.410	0.0445	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:59	1.00
Diethyl phthalate	ND		0.410	0.0267	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:59	1.00
Dimethyl phthalate	ND		0.410	0.0296	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:59	1.00
Di-n-butyl phthalate	ND		0.410	0.0305	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:59	1.00
Di-n-octyl phthalate	ND		0.410	0.150	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:59	1.00
Diphenylamine	ND		0.410	0.0282	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:59	1.00
Fluoranthene	ND		0.410	0.0303	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:59	1.00
Fluorene	ND		0.410	0.0287	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:59	1.00
Hexachlorobenzene	ND		0.410	0.0348	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:59	1.00
Hexachlorobutadiene	ND		0.410	0.0504	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:59	1.00
Hexachlorocyclopentadiene	ND	JL	2.07	0.210	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:59	1.00
Hexachloroethane	ND		0.410	0.0534	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:59	1.00
Isophorone	ND		0.410	0.0530	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:59	1.00
Naphthalene	ND		0.410	0.0395	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:59	1.00
Nitrobenzene	ND		0.410	0.0610	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:59	1.00
N-Nitrosodi-n-propylamine	ND		0.410	0.0302	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:59	1.00
N-Nitrosodiphenylamine	ND		0.410	0.0282	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:59	1.00
Pentachloroethane	ND		0.410	0.0377	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:59	1.00
Pentachlorophenol	ND	J	2.07	0.0626	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:59	1.00
Phenanthrene	ND		0.410	0.0275	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:59	1.00
enol	ND		0.410	0.0407	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:59	1.00
yrene	ND		0.410	0.0290	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:59	1.00
Pyridine	ND		0.410	0.0479	mg/kg dry	☼	05/30/12 17:00	06/01/12 18:59	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*54*		*42 - 136*	*05/30/12 17:00*	*06/01/12 18:59*	*1.00*
2-Fluorobiphenyl	*71*		*42 - 129*	*05/30/12 17:00*	*06/01/12 18:59*	*1.00*
2-Fluorophenol	*71*		*36 - 114*	*05/30/12 17:00*	*06/01/12 18:59*	*1.00*
Nitrobenzene-d5	*70*		*40 - 122*	*05/30/12 17:00*	*06/01/12 18:59*	*1.00*
Phenol-d5	*70*		*38 - 125*	*05/30/12 17:00*	*06/01/12 18:59*	*1.00*
Terphenyl-d14	*73*		*44 - 127*	*05/30/12 17:00*	*06/01/12 18:59*	*1.00*

Method: 6020 - Total Metals by SW846 Series Methods

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**3.69**		0.623	0.142	mg/kg dry	☼	05/31/12 10:45	05/31/12 19:27	5.00
Barium	**150**	**B**	6.23	0.0116	mg/kg dry	☼	05/31/12 10:45	05/31/12 19:27	5.00
Cadmium	**0.218**	**J**	0.623	0.0156	mg/kg dry	☼	05/31/12 10:45	05/31/12 19:27	5.00
Chromium	**15.2**		0.623	0.408	mg/kg dry	☼	05/31/12 10:45	05/31/12 19:27	5.00
Lead	**16.7**		0.623	0.0305	mg/kg dry	☼	05/31/12 10:45	05/31/12 19:27	5.00
Selenium	ND		0.623	0.232	mg/kg dry	☼	05/31/12 10:45	05/31/12 19:27	5.00
Silver	ND		0.623	0.149	mg/kg dry	☼	05/31/12 10:45	05/31/12 19:27	5.00

Method: 7471A - Total Metals by SW846 Series Methods

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0117**	**J**	0.125	0.00847	mg/kg dry	☼	05/31/12 11:15	05/31/12 15:57	1.00

Method: ASTM D2216-90 - General Chemistry Parameters

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Dry Weight	**80.3**		0.500		%		05/23/12 16:31	05/24/12 10:41	1.00

Client Sample Results

Client: TITAN Engineering, Inc.
Project/Site: 583-01

TestAmerica Job ID: AVE0225

Client Sample ID: SB-1 1
Date Collected: 05/16/12 14:45
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-32
Matrix: Sol
Percent Solids: 80

Method: SW846 9045C - General Chemistry Parameters

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	11.1		0.100		pH Units		05/30/12 13:48	05/30/12 17:15	1.00

Client Sample Results

Client: TITAN Engineering, Inc.
Project/Site: 583-01

TestAmerica Job ID: AVE0225

Client Sample ID: SB-1 4.5
Date Collected: 05/16/12 14:50
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-33
Matrix: Solid
Percent Solids: 76.6

Method: 8260B - Volatile Organic Compounds by SW846 8260B

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.00644	0.00214	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:47	1.00
1,1,1-Trichloroethane	ND		0.00644	0.00166	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:47	1.00
1,1,2,2-Tetrachloroethane	ND		0.00644	0.00410	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:47	1.00
1,1,2-Trichloroethane	ND		0.00644	0.00285	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:47	1.00
1,1-Dichloroethane	ND		0.00644	0.000869	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:47	1.00
1,1-Dichloroethene	ND		0.00644	0.00111	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:47	1.00
1,2,4-Trimethylbenzene	ND		0.00644	0.00259	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:47	1.00
1,2-Dibromoethane (EDB)	ND		0.00644	0.00194	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:47	1.00
1,2-Dichlorobenzene	ND		0.00644	0.00314	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:47	1.00
1,2-Dichloroethane	ND		0.00644	0.00111	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:47	1.00
1,2-Dichloropropane	ND		0.00644	0.000877	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:47	1.00
1,3-Dichlorobenzene	ND		0.00644	0.00249	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:47	1.00
1,4-Dichlorobenzene	ND		0.00644	0.00243	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:47	1.00
2-Butanone (MEK)	**0.00598**	**J**	0.0129	0.00592	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:47	1.00
2-Hexanone	ND		0.0129	0.00442	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:47	1.00
4-Isopropyltoluene	ND		0.00644	0.00218	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:47	1.00
4-Methyl-2-pentanone (MIBK)	ND		0.0129	0.00329	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:47	1.00
Acetone	**0.0181**	**J**	0.0644	0.00613	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:47	1.00
Benzene	ND		0.00644	0.00100	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:47	1.00
Bromobenzene	ND		0.00644	0.00298	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:47	1.00
Bromochloromethane	ND		0.00644	0.00103	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:47	1.00
Bromodichloromethane	ND		0.00644	0.000879	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:47	1.00
Bromoethane	ND		0.0129	0.00145	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:47	1.00
Bromoform	ND		0.00644	0.00159	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:47	1.00
Bromomethane	ND		0.0129	0.00119	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:47	1.00
Carbon disulfide	ND		0.00644	0.00128	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:47	1.00
Carbon tetrachloride	ND		0.00644	0.00147	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:47	1.00
Chlorobenzene	ND		0.00644	0.00111	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:47	1.00
Chlorodibromomethane	ND		0.00644	0.00229	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:47	1.00
Chloroethane	ND		0.0129	0.00197	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:47	1.00
Chloroform	ND		0.00644	0.000940	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:47	1.00
Chloromethane	ND		0.0129	0.00389	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:47	1.00
cis-1,2-Dichloroethene	ND		0.00644	0.000817	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:47	1.00
cis-1,3-Dichloropropene	ND		0.00644	0.00168	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:47	1.00
Dibromomethane	ND		0.00644	0.00114	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:47	1.00
Dichlorodifluoromethane	ND		0.0257	0.0129	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:47	1.00
Ethylbenzene	ND		0.00644	0.00156	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:47	1.00
Hexachlorobutadiene	ND		0.00644	0.00234	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:47	1.00
Isopropylbenzene	ND		0.00644	0.00234	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:47	1.00
Methyl tert-Butyl Ether	ND		0.00644	0.00111	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:47	1.00
Methylene chloride	ND		0.00644	0.00136	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:47	1.00
n-Butylbenzene	ND		0.00644	0.00213	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:47	1.00
n-Propylbenzene	ND		0.00644	0.00235	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:47	1.00
sec-Butylbenzene	ND		0.00644	0.00271	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:47	1.00
Styrene	ND		0.00644	0.00211	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:47	1.00
tert-Butylbenzene	ND		0.00644	0.00244	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:47	1.00
Tetrachloroethene	ND		0.00644	0.00203	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:47	1.00
Toluene	ND		0.00644	0.00128	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:47	1.00
trans-1,2-Dichloroethene	ND		0.00644	0.00109	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:47	1.00
trans-1,3-Dichloropropene	ND		0.00644	0.00213	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:47	1.00
Trichloroethene	ND		0.00644	0.00122	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:47	1.00

Client Sample ID: SB-1 4.5

Date Collected: 05/16/12 14:50
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-33

Matrix: Sol
Percent Solids: 7

Method: 8260B - Volatile Organic Compounds by SW846 8260B (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		0.0129	0.00133	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:47	1.00
Vinyl chloride	ND		0.00644	0.00189	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:47	1.00
Xylenes, total	ND		0.0193	0.00386	mg/kg dry	☼	05/23/12 13:08	05/23/12 22:47	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*108*		*67 - 127*	*05/23/12 13:08*	*05/23/12 22:47*	*1.00*
4-Bromofluorobenzene	*104*		*59 - 119*	*05/23/12 13:08*	*05/23/12 22:47*	*1.00*
Dibromofluoromethane	*97*		*69 - 129*	*05/23/12 13:08*	*05/23/12 22:47*	*1.00*
Toluene-d8	*99*		*76 - 136*	*05/23/12 13:08*	*05/23/12 22:47*	*1.00*

Method: 8270C - Acid and Base/Neutral Extractables by SW846 TRRP

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.430	0.0585	mg/kg dry	☼	05/30/12 17:00	06/01/12 19:21	1.00
1,2-Diphenylhydrazine	ND		0.430	0.0549	mg/kg dry	☼	05/30/12 17:00	06/01/12 19:21	1.00
2,4,5-Trichlorophenol	ND	J	0.430	0.0447	mg/kg dry	☼	05/30/12 17:00	06/01/12 19:21	1.00
2,4,6-Trichlorophenol	ND	J	0.430	0.0572	mg/kg dry	☼	05/30/12 17:00	06/01/12 19:21	1.00
2,4-Dichlorophenol	ND		0.430	0.0565	mg/kg dry	☼	05/30/12 17:00	06/01/12 19:21	1.00
2,4-Dimethylphenol	ND		0.430	0.102	mg/kg dry	☼	05/30/12 17:00	06/01/12 19:21	1.00
2,4-Dinitrophenol	ND		2.18	0.870	mg/kg dry	☼	05/30/12 17:00	06/01/12 19:21	1.00
2,4-Dinitrotoluene	ND		0.430	0.205	mg/kg dry	☼	05/30/12 17:00	06/01/12 19:21	1.00
2,6-Dinitrotoluene	ND		0.430	0.0534	mg/kg dry	☼	05/30/12 17:00	06/01/12 19:21	1.00
2-Chloronaphthalene	ND		0.430	0.0408	mg/kg dry	☼	05/30/12 17:00	06/01/12 19:21	1.00
2-Chlorophenol	ND		0.430	0.0380	mg/kg dry	☼	05/30/12 17:00	06/01/12 19:21	1
2-Methylnaphthalene	ND		0.430	0.0419	mg/kg dry	☼	05/30/12 17:00	06/01/12 19:21	1.00
2-Methylphenol	ND		0.430	0.0519	mg/kg dry	☼	05/30/12 17:00	06/01/12 19:21	1.00
2-Nitroaniline	ND		0.430	0.0554	mg/kg dry	☼	05/30/12 17:00	06/01/12 19:21	1.00
2-Nitrophenol	ND		0.430	0.0821	mg/kg dry	☼	05/30/12 17:00	06/01/12 19:21	1.00
3 & 4 Methylphenol	ND		0.430	0.0845	mg/kg dry	☼	05/30/12 17:00	06/01/12 19:21	1.00
3,3'-Dichlorobenzidine	ND		2.18	0.0697	mg/kg dry	☼	05/30/12 17:00	06/01/12 19:21	1.00
3-Nitroaniline	ND		0.430	0.0416	mg/kg dry	☼	05/30/12 17:00	06/01/12 19:21	1.00
4,6-Dinitro-2-methylphenol	ND		2.18	0.261	mg/kg dry	☼	05/30/12 17:00	06/01/12 19:21	1.00
4-Bromophenyl phenyl ether	ND		0.430	0.0394	mg/kg dry	☼	05/30/12 17:00	06/01/12 19:21	1.00
4-Chloro-3-methylphenol	ND		0.430	0.0687	mg/kg dry	☼	05/30/12 17:00	06/01/12 19:21	1.00
4-Chloroaniline	ND		0.430	0.0489	mg/kg dry	☼	05/30/12 17:00	06/01/12 19:21	1.00
4-Chlorophenyl phenyl ether	ND		0.430	0.0333	mg/kg dry	☼	05/30/12 17:00	06/01/12 19:21	1.00
4-Nitroaniline	ND		0.430	0.130	mg/kg dry	☼	05/30/12 17:00	06/01/12 19:21	1.00
4-Nitrophenol	ND		2.18	0.197	mg/kg dry	☼	05/30/12 17:00	06/01/12 19:21	1.00
Acenaphthene	ND		0.430	0.0452	mg/kg dry	☼	05/30/12 17:00	06/01/12 19:21	1.00
Acenaphthylene	ND		0.430	0.0427	mg/kg dry	☼	05/30/12 17:00	06/01/12 19:21	1.00
Anthracene	ND		0.430	0.0321	mg/kg dry	☼	05/30/12 17:00	06/01/12 19:21	1.00
Benzo[a]anthracene	ND		0.430	0.0259	mg/kg dry	☼	05/30/12 17:00	06/01/12 19:21	1.00
Benzo[a]pyrene	ND		0.430	0.0297	mg/kg dry	☼	05/30/12 17:00	06/01/12 19:21	1.00
Benzo[b]fluoranthene	ND		0.430	0.0680	mg/kg dry	☼	05/30/12 17:00	06/01/12 19:21	1.00
Benzo[g,h,i]perylene	ND		0.430	0.0350	mg/kg dry	☼	05/30/12 17:00	06/01/12 19:21	1.00
Benzo[k]fluoranthene	ND		0.430	0.0518	mg/kg dry	☼	05/30/12 17:00	06/01/12 19:21	1.00
Bis(2-chloroethoxy)methane	ND		0.430	0.0424	mg/kg dry	☼	05/30/12 17:00	06/01/12 19:21	1.00
Bis(2-chloroethyl)ether	ND		0.430	0.0447	mg/kg dry	☼	05/30/12 17:00	06/01/12 19:21	1.00
Bis(2-chloroisopropyl) ether	ND		0.430	0.0355	mg/kg dry	☼	05/30/12 17:00	06/01/12 19:21	1.00
Bis(2-ethylhexyl) phthalate	**0.243**	**J**	0.430	0.0546	mg/kg dry	☼	05/30/12 17:00	06/01/12 19:21	1
Butyl benzyl phthalate	ND		0.430	0.0340	mg/kg dry	☼	05/30/12 17:00	06/01/12 19:21	1.00
Chrysene	ND		0.430	0.0295	mg/kg dry	☼	05/30/12 17:00	06/01/12 19:21	1.00

Client Sample Results

Client: TITAN Engineering, Inc.
Project/Site: 583-01

TestAmerica Job ID: AVE0225

Client Sample ID: SB-1 4.5

te Collected: 05/16/12 14:50
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-33

Matrix: Solid
Percent Solids: 76.6

Method: 8270C - Acid and Base/Neutral Extractables by SW846 TRRP (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz[a,h]anthracene	ND		0.430	0.109	mg/kg dry	☼	05/30/12 17:00	06/01/12 19:21	1.00
Dibenzofuran	ND		0.430	0.0467	mg/kg dry	☼	05/30/12 17:00	06/01/12 19:21	1.00
Diethyl phthalate	ND		0.430	0.0280	mg/kg dry	☼	05/30/12 17:00	06/01/12 19:21	1.00
Dimethyl phthalate	ND		0.430	0.0311	mg/kg dry	☼	05/30/12 17:00	06/01/12 19:21	1.00
Di-n-butyl phthalate	ND		0.430	0.0320	mg/kg dry	☼	05/30/12 17:00	06/01/12 19:21	1.00
Di-n-octyl phthalate	ND		0.430	0.158	mg/kg dry	☼	05/30/12 17:00	06/01/12 19:21	1.00
Diphenylamine	ND		0.430	0.0296	mg/kg dry	☼	05/30/12 17:00	06/01/12 19:21	1.00
Fluoranthene	ND		0.430	0.0318	mg/kg dry	☼	05/30/12 17:00	06/01/12 19:21	1.00
Fluorene	ND		0.430	0.0301	mg/kg dry	☼	05/30/12 17:00	06/01/12 19:21	1.00
Hexachlorobenzene	ND		0.430	0.0365	mg/kg dry	☼	05/30/12 17:00	06/01/12 19:21	1.00
Hexachlorobutadiene	ND		0.430	0.0529	mg/kg dry	☼	05/30/12 17:00	06/01/12 19:21	1.00
Hexachlorocyclopentadiene	ND	JL	2.18	0.220	mg/kg dry	☼	05/30/12 17:00	06/01/12 19:21	1.00
Hexachloroethane	ND		0.430	0.0561	mg/kg dry	☼	05/30/12 17:00	06/01/12 19:21	1.00
Isophorone	ND		0.430	0.0557	mg/kg dry	☼	05/30/12 17:00	06/01/12 19:21	1.00
Naphthalene	ND		0.430	0.0414	mg/kg dry	☼	05/30/12 17:00	06/01/12 19:21	1.00
Nitrobenzene	ND		0.430	0.0640	mg/kg dry	☼	05/30/12 17:00	06/01/12 19:21	1.00
N-Nitrosodi-n-propylamine	ND		0.430	0.0317	mg/kg dry	☼	05/30/12 17:00	06/01/12 19:21	1.00
N-Nitrosodiphenylamine	ND		0.430	0.0296	mg/kg dry	☼	05/30/12 17:00	06/01/12 19:21	1.00
Pentachloroethane	ND		0.430	0.0396	mg/kg dry	☼	05/30/12 17:00	06/01/12 19:21	1.00
Pentachlorophenol	ND	J	2.18	0.0657	mg/kg dry	☼	05/30/12 17:00	06/01/12 19:21	1.00
Phenanthrene	ND		0.430	0.0288	mg/kg dry	☼	05/30/12 17:00	06/01/12 19:21	1.00
Phenol	ND		0.430	0.0427	mg/kg dry	☼	05/30/12 17:00	06/01/12 19:21	1.00
Pyrene	ND		0.430	0.0304	mg/kg dry	☼	05/30/12 17:00	06/01/12 19:21	1.00
Pyridine	ND		0.430	0.0503	mg/kg dry	☼	05/30/12 17:00	06/01/12 19:21	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*65*		*42 - 136*	*05/30/12 17:00*	*06/01/12 19:21*	*1.00*
2-Fluorobiphenyl	*64*		*42 - 129*	*05/30/12 17:00*	*06/01/12 19:21*	*1.00*
2-Fluorophenol	*66*		*36 - 114*	*05/30/12 17:00*	*06/01/12 19:21*	*1.00*
Nitrobenzene-d5	*64*		*40 - 122*	*05/30/12 17:00*	*06/01/12 19:21*	*1.00*
Phenol-d5	*64*		*38 - 125*	*05/30/12 17:00*	*06/01/12 19:21*	*1.00*
Terphenyl-d14	*70*		*44 - 127*	*05/30/12 17:00*	*06/01/12 19:21*	*1.00*

Method: 6020 - Total Metals by SW846 Series Methods

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**2.93**		0.653	0.149	mg/kg dry	☼	05/31/12 10:45	05/31/12 19:42	5.00
Barium	**172**	**B**	6.53	0.0121	mg/kg dry	☼	05/31/12 10:45	05/31/12 19:42	5.00
Cadmium	**0.103**	**J**	0.653	0.0163	mg/kg dry	☼	05/31/12 10:45	05/31/12 19:42	5.00
Chromium	**13.3**		0.653	0.428	mg/kg dry	☼	05/31/12 10:45	05/31/12 19:42	5.00
Lead	**14.9**		0.653	0.0320	mg/kg dry	☼	05/31/12 10:45	05/31/12 19:42	5.00
Selenium	**0.288**	**J**	0.653	0.243	mg/kg dry	☼	05/31/12 10:45	05/31/12 19:42	5.00
Silver	ND		0.653	0.157	mg/kg dry	☼	05/31/12 10:45	05/31/12 19:42	5.00

Method: 7471A - Total Metals by SW846 Series Methods

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.122	0.00832	mg/kg dry	☼	05/31/12 11:15	05/31/12 15:59	1.00

Method: ASTM D2216-90 - General Chemistry Parameters

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Dry Weight	**76.6**		0.500		%		05/23/12 16:31	05/24/12 10:43	1.00

Client Sample Results

Client: TITAN Engineering, Inc.
Project/Site: 583-01

TestAmerica Job ID: AVE0225

Client Sample ID: SB-1 4.5

Date Collected: 05/16/12 14:50
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-33

Matrix: Soli
Percent Solids: 76

Method: SW846 9045C - General Chemistry Parameters

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	9.11		0.100		pH Units		05/30/12 13:48	05/30/12 17:15	1.00

QC Association Summary

Client: TITAN Engineering, Inc.
Project/Site: 583-01

TestAmerica Job ID: AVE0225

GCMS Volatiles

Analysis Batch: 12E0268

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12E0268-BLK1	Method Blank	Total	Water	8260B	12E0268_P
12E0268-BS1	Lab Control Sample	Total	Water	8260B	12E0268_P
12E0268-BSD1	Lab Control Sample Dup	Total	Water	8260B	12E0268_P
AVE0225-01	TB 20120517	Total	Water	8260B	12E0268_P
AVE0225-12	EB-20120517	Total	Water	8260B	12E0268_P
AVE0225-18	TB-20120516	Total	Water	8260B	12E0268_P
AVE0225-26	EB-20120516	Total	Water	8260B	12E0268_P

Analysis Batch: 12E0270

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12E0270-BLK1	Method Blank	Total	Solid	8260B	12E0270_P
12E0270-BS1	Lab Control Sample	Total	Solid	8260B	12E0270_P
12E0270-BSD1	Lab Control Sample Dup	Total	Solid	8260B	12E0270_P
12E0270-MS1	SB-2 1	Total	Solid	8260B	12E0270_P
12E0270-MSD1	SB-2 1	Total	Solid	8260B	12E0270_P
AVE0225-02	SB-2 1	Total	Solid	8260B	12E0270_P
AVE0225-03	SB-2 4	Total	Solid	8260B	12E0270_P
AVE0225-04	SB-2 9.5	Total	Solid	8260B	12E0270_P
AVE0225-05	SB-3 1	Total	Solid	8260B	12E0270_P
AVE0225-06	SB-3 4.5	Total	Solid	8260B	12E0270_P
AVE0225-07	SB-4 1	Total	Solid	8260B	12E0270_P
AVE0225-08	SB-4 4	Total	Solid	8260B	12E0270_P
AVE0225-09	SB-5 1	Total	Solid	8260B	12E0270_P
AVE0225-10	SB-5 5	Total	Solid	8260B	12E0270_P

Analysis Batch: 12E0296

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12E0296-BLK1	Method Blank	Total	Solid	8260B	12E0296_P
12E0296-BS1	Lab Control Sample	Total	Solid	8260B	12E0296_P
12E0296-BSD1	Lab Control Sample Dup	Total	Solid	8260B	12E0296_P
12E0296-MS1	SB-5 9	Total	Solid	8260B	12E0296_P
12E0296-MSD1	SB-5 9	Total	Solid	8260B	12E0296_P
AVE0225-11	SB-5 9	Total	Solid	8260B	12E0296_P
AVE0225-13	SB-6 1	Total	Solid	8260B	12E0296_P
AVE0225-14	SB-6 2.5	Total	Solid	8260B	12E0296_P
AVE0225-15	SB-7 1	Total	Solid	8260B	12E0296_P
AVE0225-16	SB-7 5	Total	Solid	8260B	12E0296_P
AVE0225-17	SB-7 7.5	Total	Solid	8260B	12E0296_P
AVE0225-19	TMW-1 1	Total	Solid	8260B	12E0296_P
AVE0225-20	TMW-1 4.5	Total	Solid	8260B	12E0296_P
AVE0225-21	TMW-2 0.5	Total	Solid	8260B	12E0296_P
AVE0225-22	TMW-2 4.5	Total	Solid	8260B	12E0296_P
AVE0225-23	TMW-3 1	Total	Solid	8260B	12E0296_P
AVE0225-24	TMW-3 4.5	Total	Solid	8260B	12E0296_P
AVE0225-25	TMW-3 6.5	Total	Solid	8260B	12E0296_P
AVE0225-27	TMW-4 1	Total	Solid	8260B	12E0296_P
AVE0225-28	TMW-4 4.5	Total	Solid	8260B	12E0296_P
AVE0225-29	TMW-5 1	Total	Solid	8260B	12E0296_P
AVE0225-30	TMW-5 4.5	Total	Solid	8260B	12E0296_P
AVE0225-31	TMW-5 6	Total	Solid	8260B	12E0296_P
AVE0225-32	SB-1 1	Total	Solid	8260B	12E0296_P
AVE0225-33	SB-1 4.5	Total	Solid	8260B	12E0296_P

GCMS Volatiles (Continued)

Prep Batch: 12E0268_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12E0268-BLK1	Method Blank	Total	Water	5030B MS	
12E0268-BS1	Lab Control Sample	Total	Water	5030B MS	
12E0268-BSD1	Lab Control Sample Dup	Total	Water	5030B MS	
AVE0225-01	TB 20120517	Total	Water	5030B MS	
AVE0225-12	EB-20120517	Total	Water	5030B MS	
AVE0225-18	TB-20120516	Total	Water	5030B MS	
AVE0225-26	EB-20120516	Total	Water	5030B MS	

Prep Batch: 12E0270_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12E0270-BLK1	Method Blank	Total	Solid	5030B MS	
12E0270-BS1	Lab Control Sample	Total	Solid	5030B MS	
12E0270-BSD1	Lab Control Sample Dup	Total	Solid	5030B MS	
12E0270-MS1	SB-2 1	Total	Solid	5030B MS	
12E0270-MSD1	SB-2 1	Total	Solid	5030B MS	
AVE0225-02	SB-2 1	Total	Solid	5030B MS	
AVE0225-03	SB-2 4	Total	Solid	5030B MS	
AVE0225-04	SB-2 9.5	Total	Solid	5030B MS	
AVE0225-05	SB-3 1	Total	Solid	5030B MS	
AVE0225-06	SB-3 4.5	Total	Solid	5030B MS	
AVE0225-07	SB-4 1	Total	Solid	5030B MS	
AVE0225-08	SB-4 4	Total	Solid	5030B MS	
AVE0225-09	SB-5 1	Total	Solid	5030B MS	
AVE0225-10	SB-5 5	Total	Solid	5030B MS	

Prep Batch: 12E0296_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12E0296-BLK1	Method Blank	Total	Solid	5030B MS	
12E0296-BS1	Lab Control Sample	Total	Solid	5030B MS	
12E0296-BSD1	Lab Control Sample Dup	Total	Solid	5030B MS	
12E0296-MS1	SB-5 9	Total	Solid	5030B MS	
12E0296-MSD1	SB-5 9	Total	Solid	5030B MS	
AVE0225-11	SB-5 9	Total	Solid	5030B MS	
AVE0225-13	SB-6 1	Total	Solid	5030B MS	
AVE0225-14	SB-6 2.5	Total	Solid	5030B MS	
AVE0225-15	SB-7 1	Total	Solid	5030B MS	
AVE0225-16	SB-7 5	Total	Solid	5030B MS	
AVE0225-17	SB-7 7.5	Total	Solid	5030B MS	
AVE0225-19	TMW-1 1	Total	Solid	5030B MS	
AVE0225-20	TMW-1 4.5	Total	Solid	5030B MS	
AVE0225-21	TMW-2 0.5	Total	Solid	5030B MS	
AVE0225-22	TMW-2 4.5	Total	Solid	5030B MS	
AVE0225-23	TMW-3 1	Total	Solid	5030B MS	
AVE0225-24	TMW-3 4.5	Total	Solid	5030B MS	
AVE0225-25	TMW-3 6.5	Total	Solid	5030B MS	
AVE0225-27	TMW-4 1	Total	Solid	5030B MS	
AVE0225-28	TMW-4 4.5	Total	Solid	5030B MS	
AVE0225-29	TMW-5 1	Total	Solid	5030B MS	
AVE0225-30	TMW-5 4.5	Total	Solid	5030B MS	
AVE0225-31	TMW-5 6	Total	Solid	5030B MS	
AVE0225-32	SB-1 1	Total	Solid	5030B MS	
AVE0225-33	SB-1 4.5	Total	Solid	5030B MS	

QC Association Summary

Client: TITAN Engineering, Inc.
Project/Site: 583-01

TestAmerica Job ID: AVE0225

GCMS Semivolatiles

Analysis Batch: 12E0350

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12E0350-BLK1	Method Blank	Total	Solid	8270C	12E0350_P
12E0350-BS1	Lab Control Sample	Total	Solid	8270C	12E0350_P
12E0350-MS1	Matrix Spike	Total	Solid	8270C	12E0350_P
12E0350-MSD1	Matrix Spike Duplicate	Total	Solid	8270C	12E0350_P
AVE0225-19	TMW-1 1	Total	Solid	8270C	12E0350_P
AVE0225-20	TMW-1 4.5	Total	Solid	8270C	12E0350_P
AVE0225-21	TMW-2 0.5	Total	Solid	8270C	12E0350_P
AVE0225-22	TMW-2 4.5	Total	Solid	8270C	12E0350_P
AVE0225-23	TMW-3 1	Total	Solid	8270C	12E0350_P
AVE0225-24	TMW-3 4.5	Total	Solid	8270C	12E0350_P

Analysis Batch: 12E0369

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12E0369-BLK1	Method Blank	Total	Solid	8270C	12E0369_P
12E0369-BS1	Lab Control Sample	Total	Solid	8270C	12E0369_P
12E0369-MS1	Matrix Spike	Total	Solid	8270C	12E0369_P
12E0369-MSD1	Matrix Spike Duplicate	Total	Solid	8270C	12E0369_P
AVE0225-27	TMW-4 1	Total	Solid	8270C	12E0369_P
AVE0225-28	TMW-4 4.5	Total	Solid	8270C	12E0369_P
AVE0225-29	TMW-5 1	Total	Solid	8270C	12E0369_P
AVE0225-30	TMW-5 4.5	Total	Solid	8270C	12E0369_P
AVE0225-32	SB-1 1	Total	Solid	8270C	12E0369_P
AVE0225-33	SB-1 4.5	Total	Solid	8270C	12E0369_P

Analysis Batch: 12F0010

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12F0010-BLK1	Method Blank	Total	Solid	8270C	12F0010_P
12F0010-BS1	Lab Control Sample	Total	Solid	8270C	12F0010_P
12F0010-MS1	SB-2 1	Total	Solid	8270C	12F0010_P
12F0010-MSD1	SB-2 1	Total	Solid	8270C	12F0010_P
AVE0225-02	SB-2 1	Total	Solid	8270C	12F0010_P
AVE0225-03	SB-2 4	Total	Solid	8270C	12F0010_P
AVE0225-05	SB-3 1	Total	Solid	8270C	12F0010_P
AVE0225-06	SB-3 4.5	Total	Solid	8270C	12F0010_P
AVE0225-07	SB-4 1	Total	Solid	8270C	12F0010_P
AVE0225-08	SB-4 4	Total	Solid	8270C	12F0010_P
AVE0225-09	SB-5 1	Total	Solid	8270C	12F0010_P
AVE0225-10	SB-5 5	Total	Solid	8270C	12F0010_P
AVE0225-13	SB-6 1	Total	Solid	8270C	12F0010_P
AVE0225-14	SB-6 2.5	Total	Solid	8270C	12F0010_P
AVE0225-15	SB-7 1	Total	Solid	8270C	12F0010_P
AVE0225-16	SB-7 5	Total	Solid	8270C	12F0010_P

Prep Batch: 12E0350_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12E0350-BLK1	Method Blank	Total	Solid	3550B MS	
12E0350-BS1	Lab Control Sample	Total	Solid	3550B MS	
12E0350-MS1	Matrix Spike	Total	Solid	3550B MS	
12E0350-MSD1	Matrix Spike Duplicate	Total	Solid	3550B MS	
AVE0225-19	TMW-1 1	Total	Solid	3550B MS	
AVE0225-20	TMW-1 4.5	Total	Solid	3550B MS	
AVE0225-21	TMW-2 0.5	Total	Solid	3550B MS	

GCMS Semivolatiles (Continued)

Prep Batch: 12E0350_P (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
AVE0225-22	TMW-2 4.5	Total	Solid	3550B MS	
AVE0225-23	TMW-3 1	Total	Solid	3550B MS	
AVE0225-24	TMW-3 4.5	Total	Solid	3550B MS	

Prep Batch: 12E0369_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12E0369-BLK1	Method Blank	Total	Solid	3550B MS	
12E0369-BS1	Lab Control Sample	Total	Solid	3550B MS	
12E0369-MS1	Matrix Spike	Total	Solid	3550B MS	
12E0369-MSD1	Matrix Spike Duplicate	Total	Solid	3550B MS	
AVE0225-27	TMW-4 1	Total	Solid	3550B MS	
AVE0225-28	TMW-4 4.5	Total	Solid	3550B MS	
AVE0225-29	TMW-5 1	Total	Solid	3550B MS	
AVE0225-30	TMW-5 4.5	Total	Solid	3550B MS	
AVE0225-32	SB-1 1	Total	Solid	3550B MS	
AVE0225-33	SB-1 4.5	Total	Solid	3550B MS	

Prep Batch: 12F0010_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12F0010-BLK1	Method Blank	Total	Solid	3550B MS	
12F0010-BS1	Lab Control Sample	Total	Solid	3550B MS	
12F0010-MS1	SB-2 1	Total	Solid	3550B MS	
12F0010-MSD1	SB-2 1	Total	Solid	3550B MS	
AVE0225-02	SB-2 1	Total	Solid	3550B MS	
AVE0225-03	SB-2 4	Total	Solid	3550B MS	
AVE0225-05	SB-3 1	Total	Solid	3550B MS	
AVE0225-06	SB-3 4.5	Total	Solid	3550B MS	
AVE0225-07	SB-4 1	Total	Solid	3550B MS	
AVE0225-08	SB-4 4	Total	Solid	3550B MS	
AVE0225-09	SB-5 1	Total	Solid	3550B MS	
AVE0225-10	SB-5 5	Total	Solid	3550B MS	
AVE0225-13	SB-6 1	Total	Solid	3550B MS	
AVE0225-14	SB-6 2.5	Total	Solid	3550B MS	
AVE0225-15	SB-7 1	Total	Solid	3550B MS	
AVE0225-16	SB-7 5	Total	Solid	3550B MS	

Metals

Analysis Batch: 12E0383

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12E0383-BLK1	Method Blank	Total	Solid	7471A	12E0383_P
12E0383-BS1	Lab Control Sample	Total	Solid	7471A	12E0383_P
12E0383-MS1	Matrix Spike	Total	Solid	7471A	12E0383_P
12E0383-MSD1	Matrix Spike Duplicate	Total	Solid	7471A	12E0383_P
AVE0225-02	SB-2 1	Total	Solid	7471A	12E0383_P
AVE0225-03	SB-2 4	Total	Solid	7471A	12E0383_P
AVE0225-05	SB-3 1	Total	Solid	7471A	12E0383_P
AVE0225-06	SB-3 4.5	Total	Solid	7471A	12E0383_P
AVE0225-07	SB-4 1	Total	Solid	7471A	12E0383_P
AVE0225-08	SB-4 4	Total	Solid	7471A	12E0383_P
AVE0225-09	SB-5 1	Total	Solid	7471A	12E0383_P
AVE0225-10	SB-5 5	Total	Solid	7471A	12E0383_P

QC Association Summary

Client: TITAN Engineering, Inc.
Project/Site: 583-01

TestAmerica Job ID: AVE0225

Metals (Continued)

Analysis Batch: 12E0383 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
AVE0225-13	SB-6 1	Total	Solid	7471A	12E0383_P
AVE0225-14	SB-6 2.5	Total	Solid	7471A	12E0383_P

Analysis Batch: 12E0384

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12E0384-BLK1	Method Blank	Total	Solid	7471A	12E0384_P
12E0384-BS1	Lab Control Sample	Total	Solid	7471A	12E0384_P
12E0384-MS1	Matrix Spike	Total	Solid	7471A	12E0384_P
12E0384-MSD1	Matrix Spike Duplicate	Total	Solid	7471A	12E0384_P
AVE0225-15	SB-7 1	Total	Solid	7471A	12E0384_P
AVE0225-16	SB-7 5	Total	Solid	7471A	12E0384_P
AVE0225-19	TMW-1 1	Total	Solid	7471A	12E0384_P
AVE0225-20	TMW-1 4.5	Total	Solid	7471A	12E0384_P
AVE0225-21	TMW-2 0.5	Total	Solid	7471A	12E0384_P
AVE0225-22	TMW-2 4.5	Total	Solid	7471A	12E0384_P
AVE0225-23	TMW-3 1	Total	Solid	7471A	12E0384_P
AVE0225-24	TMW-3 4.5	Total	Solid	7471A	12E0384_P
AVE0225-27	TMW-4 1	Total	Solid	7471A	12E0384_P
AVE0225-28	TMW-4 4.5	Total	Solid	7471A	12E0384_P
AVE0225-29	TMW-5 1	Total	Solid	7471A	12E0384_P
AVE0225-30	TMW-5 4.5	Total	Solid	7471A	12E0384_P
AVE0225-32	SB-1 1	Total	Solid	7471A	12E0384_P
AVE0225-33	SB-1 4.5	Total	Solid	7471A	12E0384_P

Analysis Batch: V000353

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12E0376-BLK1	Method Blank	Total	Solid	6020	12E0376_P
12E0376-BS1	Lab Control Sample	Total	Solid	6020	12E0376_P
12E0376-MS1	TMW-3 1	Total	Solid	6020	12E0376_P
12E0376-MSD1	TMW-3 1	Total	Solid	6020	12E0376_P
12E0376-PS1	TMW-3 1	Total	Solid	6020	12E0376_P
AVE0225-02	SB-2 1	Total	Solid	6020	12E0376_P
AVE0225-03	SB-2 4	Total	Solid	6020	12E0376_P
AVE0225-05	SB-3 1	Total	Solid	6020	12E0376_P
AVE0225-06	SB-3 4.5	Total	Solid	6020	12E0376_P
AVE0225-07	SB-4 1	Total	Solid	6020	12E0376_P
AVE0225-08	SB-4 4	Total	Solid	6020	12E0376_P
AVE0225-09	SB-5 1	Total	Solid	6020	12E0376_P
AVE0225-10	SB-5 5	Total	Solid	6020	12E0376_P
AVE0225-13	SB-6 1	Total	Solid	6020	12E0376_P
AVE0225-14	SB-6 2.5	Total	Solid	6020	12E0376_P
AVE0225-15	SB-7 1	Total	Solid	6020	12E0376_P
AVE0225-16	SB-7 5	Total	Solid	6020	12E0376_P
AVE0225-19	TMW-1 1	Total	Solid	6020	12E0376_P
AVE0225-20	TMW-1 4.5	Total	Solid	6020	12E0376_P
AVE0225-21	TMW-2 0.5	Total	Solid	6020	12E0376_P
AVE0225-22	TMW-2 4.5	Total	Solid	6020	12E0376_P
AVE0225-23	TMW-3 1	Total	Solid	6020	12E0376_P

Analysis Batch: V000354

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12E0377-BLK1	Method Blank	Total	Solid	6020	12E0377_P

Metals (Continued)

Analysis Batch: V000354 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12E0377-BS1	Lab Control Sample	Total	Solid	6020	12E0377_P
12E0377-MS1	TMW-3 4.5	Total	Solid	6020	12E0377_P
12E0377-MSD1	TMW-3 4.5	Total	Solid	6020	12E0377_P
12E0377-PS1	TMW-3 4.5	Total	Solid	6020	12E0377_P
AVE0225-24	TMW-3 4.5	Total	Solid	6020	12E0377_P
AVE0225-27	TMW-4 1	Total	Solid	6020	12E0377_P
AVE0225-28	TMW-4 4.5	Total	Solid	6020	12E0377_P
AVE0225-29	TMW-5 1	Total	Solid	6020	12E0377_P
AVE0225-30	TMW-5 4.5	Total	Solid	6020	12E0377_P
AVE0225-32	SB-1 1	Total	Solid	6020	12E0377_P
AVE0225-33	SB-1 4.5	Total	Solid	6020	12E0377_P

Prep Batch: 12E0376_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12E0376-BLK1	Method Blank	Total	Solid	3050B	
12E0376-BS1	Lab Control Sample	Total	Solid	3050B	
12E0376-MS1	TMW-3 1	Total	Solid	3050B	
12E0376-MSD1	TMW-3 1	Total	Solid	3050B	
12E0376-PS1	TMW-3 1	Total	Solid	3050B	
AVE0225-02	SB-2 1	Total	Solid	3050B	
AVE0225-03	SB-2 4	Total	Solid	3050B	
AVE0225-05	SB-3 1	Total	Solid	3050B	
AVE0225-06	SB-3 4.5	Total	Solid	3050B	
AVE0225-07	SB-4 1	Total	Solid	3050B	
AVE0225-08	SB-4 4	Total	Solid	3050B	
AVE0225-09	SB-5 1	Total	Solid	3050B	
AVE0225-10	SB-5 5	Total	Solid	3050B	
AVE0225-13	SB-6 1	Total	Solid	3050B	
AVE0225-14	SB-6 2.5	Total	Solid	3050B	
AVE0225-15	SB-7 1	Total	Solid	3050B	
AVE0225-16	SB-7 5	Total	Solid	3050B	
AVE0225-19	TMW-1 1	Total	Solid	3050B	
AVE0225-20	TMW-1 4.5	Total	Solid	3050B	
AVE0225-21	TMW-2 0.5	Total	Solid	3050B	
AVE0225-22	TMW-2 4.5	Total	Solid	3050B	
AVE0225-23	TMW-3 1	Total	Solid	3050B	

Prep Batch: 12E0377_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12E0377-BLK1	Method Blank	Total	Solid	3050B	
12E0377-BS1	Lab Control Sample	Total	Solid	3050B	
12E0377-MS1	TMW-3 4.5	Total	Solid	3050B	
12E0377-MSD1	TMW-3 4.5	Total	Solid	3050B	
12E0377-PS1	TMW-3 4.5	Total	Solid	3050B	
AVE0225-24	TMW-3 4.5	Total	Solid	3050B	
AVE0225-27	TMW-4 1	Total	Solid	3050B	
AVE0225-28	TMW-4 4.5	Total	Solid	3050B	
AVE0225-29	TMW-5 1	Total	Solid	3050B	
AVE0225-30	TMW-5 4.5	Total	Solid	3050B	
AVE0225-32	SB-1 1	Total	Solid	3050B	
AVE0225-33	SB-1 4.5	Total	Solid	3050B	

Metals (Continued)

Prep Batch: 12E0383_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12E0383-BLK1	Method Blank	Total	Solid	7471A / 245.5	
12E0383-BS1	Lab Control Sample	Total	Solid	7471A / 245.5	
12E0383-MS1	Matrix Spike	Total	Solid	7471A / 245.5	
12E0383-MSD1	Matrix Spike Duplicate	Total	Solid	7471A / 245.5	
AVE0225-02	SB-2 1	Total	Solid	7471A / 245.5	
AVE0225-03	SB-2 4	Total	Solid	7471A / 245.5	
AVE0225-05	SB-3 1	Total	Solid	7471A / 245.5	
AVE0225-06	SB-3 4.5	Total	Solid	7471A / 245.5	
AVE0225-07	SB-4 1	Total	Solid	7471A / 245.5	
AVE0225-08	SB-4 4	Total	Solid	7471A / 245.5	
AVE0225-09	SB-5 1	Total	Solid	7471A / 245.5	
AVE0225-10	SB-5 5	Total	Solid	7471A / 245.5	
AVE0225-13	SB-6 1	Total	Solid	7471A / 245.5	
AVE0225-14	SB-6 2.5	Total	Solid	7471A / 245.5	

Prep Batch: 12E0384_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12E0384-BLK1	Method Blank	Total	Solid	7471A / 245.5	
12E0384-BS1	Lab Control Sample	Total	Solid	7471A / 245.5	
12E0384-MS1	Matrix Spike	Total	Solid	7471A / 245.5	
12E0384-MSD1	Matrix Spike Duplicate	Total	Solid	7471A / 245.5	
AVE0225-15	SB-7 1	Total	Solid	7471A / 245.5	
AVE0225-16	SB-7 5	Total	Solid	7471A / 245.5	
AVE0225-19	TMW-1 1	Total	Solid	7471A / 245.5	
AVE0225-20	TMW-1 4.5	Total	Solid	7471A / 245.5	
AVE0225-21	TMW-2 0.5	Total	Solid	7471A / 245.5	
AVE0225-22	TMW-2 4.5	Total	Solid	7471A / 245.5	
AVE0225-23	TMW-3 1	Total	Solid	7471A / 245.5	
AVE0225-24	TMW-3 4.5	Total	Solid	7471A / 245.5	
AVE0225-27	TMW-4 1	Total	Solid	7471A / 245.5	
AVE0225-28	TMW-4 4.5	Total	Solid	7471A / 245.5	
AVE0225-29	TMW-5 1	Total	Solid	7471A / 245.5	
AVE0225-30	TMW-5 4.5	Total	Solid	7471A / 245.5	
AVE0225-32	SB-1 1	Total	Solid	7471A / 245.5	
AVE0225-33	SB-1 4.5	Total	Solid	7471A / 245.5	

Wet Chemistry

Analysis Batch: 12E0286

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12E0286-DUP1	SB-5 5	Total	Solid	ASTM D2216-90	12E0286_P
AVE0225-02	SB-2 1	Total	Solid	ASTM D2216-90	12E0286_P
AVE0225-03	SB-2 4	Total	Solid	ASTM D2216-90	12E0286_P
AVE0225-04	SB-2 9.5	Total	Solid	ASTM D2216-90	12E0286_P
AVE0225-05	SB-3 1	Total	Solid	ASTM D2216-90	12E0286_P
AVE0225-06	SB-3 4.5	Total	Solid	ASTM D2216-90	12E0286_P
AVE0225-07	SB-4 1	Total	Solid	ASTM D2216-90	12E0286_P
AVE0225-08	SB-4 4	Total	Solid	ASTM D2216-90	12E0286_P
AVE0225-09	SB-5 1	Total	Solid	ASTM D2216-90	12E0286_P
AVE0225-10	SB-5 5	Total	Solid	ASTM D2216-90	12E0286_P
AVE0225-11	SB-5 9	Total	Solid	ASTM D2216-90	12E0286_P
AVE0225-13	SB-6 1	Total	Solid	ASTM D2216-90	12E0286_P

Wet Chemistry (Continued)

Analysis Batch: 12E0286 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
AVE0225-14	SB-6 2.5	Total	Solid	ASTM D2216-90	12E0286_P
AVE0225-15	SB-7 1	Total	Solid	ASTM D2216-90	12E0286_P
AVE0225-16	SB-7 5	Total	Solid	ASTM D2216-90	12E0286_P

Analysis Batch: 12E0287

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12E0287-DUP1	SB-1 8.5	Total	Solid	ASTM D2216-90	12E0287_P
AVE0225-17	SB-7 7.5	Total	Solid	ASTM D2216-90	12E0287_P
AVE0225-19	TMW-1 1	Total	Solid	ASTM D2216-90	12E0287_P
AVE0225-20	TMW-1 4.5	Total	Solid	ASTM D2216-90	12E0287_P
AVE0225-21	TMW-2 0.5	Total	Solid	ASTM D2216-90	12E0287_P
AVE0225-22	TMW-2 4.5	Total	Solid	ASTM D2216-90	12E0287_P
AVE0225-23	TMW-3 1	Total	Solid	ASTM D2216-90	12E0287_P
AVE0225-24	TMW-3 4.5	Total	Solid	ASTM D2216-90	12E0287_P
AVE0225-25	TMW-3 6.5	Total	Solid	ASTM D2216-90	12E0287_P
AVE0225-27	TMW-4 1	Total	Solid	ASTM D2216-90	12E0287_P
AVE0225-28	TMW-4 4.5	Total	Solid	ASTM D2216-90	12E0287_P
AVE0225-29	TMW-5 1	Total	Solid	ASTM D2216-90	12E0287_P
AVE0225-30	TMW-5 4.5	Total	Solid	ASTM D2216-90	12E0287_P
AVE0225-31	TMW-5 6	Total	Solid	ASTM D2216-90	12E0287_P
AVE0225-32	SB-1 1	Total	Solid	ASTM D2216-90	12E0287_P
AVE0225-33	SB-1 4.5	Total	Solid	ASTM D2216-90	12E0287_P

Analysis Batch: 12E0365

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12E0365-BS1	Lab Control Sample	Total	Solid	SW846 9045C	12E0365_P
12E0365-DUP1	SB-4 1	Total	Solid	SW846 9045C	12E0365_P
AVE0225-02	SB-2 1	Total	Solid	SW846 9045C	12E0365_P
AVE0225-03	SB-2 4	Total	Solid	SW846 9045C	12E0365_P
AVE0225-05	SB-3 1	Total	Solid	SW846 9045C	12E0365_P
AVE0225-06	SB-3 4.5	Total	Solid	SW846 9045C	12E0365_P
AVE0225-07	SB-4 1	Total	Solid	SW846 9045C	12E0365_P
AVE0225-08	SB-4 4	Total	Solid	SW846 9045C	12E0365_P
AVE0225-09	SB-5 1	Total	Solid	SW846 9045C	12E0365_P
AVE0225-10	SB-5 5	Total	Solid	SW846 9045C	12E0365_P
AVE0225-13	SB-6 1	Total	Solid	SW846 9045C	12E0365_P
AVE0225-14	SB-6 2.5	Total	Solid	SW846 9045C	12E0365_P
AVE0225-15	SB-7 1	Total	Solid	SW846 9045C	12E0365_P
AVE0225-16	SB-7 5	Total	Solid	SW846 9045C	12E0365_P
AVE0225-19	TMW-1 1	Total	Solid	SW846 9045C	12E0365_P
AVE0225-20	TMW-1 4.5	Total	Solid	SW846 9045C	12E0365_P
AVE0225-21	TMW-2 0.5	Total	Solid	SW846 9045C	12E0365_P
AVE0225-22	TMW-2 4.5	Total	Solid	SW846 9045C	12E0365_P
AVE0225-23	TMW-3 1	Total	Solid	SW846 9045C	12E0365_P

Analysis Batch: 12E0366

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12E0366-BS1	Lab Control Sample	Total	Solid	SW846 9045C	12E0366_P
12E0366-DUP1	TMW-3 6.5	Total	Solid	SW846 9045C	12E0366_P
AVE0225-24	TMW-3 4.5	Total	Solid	SW846 9045C	12E0366_P
AVE0225-27	TMW-4 1	Total	Solid	SW846 9045C	12E0366_P
AVE0225-28	TMW-4 4.5	Total	Solid	SW846 9045C	12E0366_P

QC Association Summary

Client: TITAN Engineering, Inc.
Project/Site: 583-01

TestAmerica Job ID: AVE0225

Wet Chemistry (Continued)

Analysis Batch: 12E0366 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
AVE0225-29	TMW-5 1	Total	Solid	SW846 9045C	12E0366_P
AVE0225-30	TMW-5 4.5	Total	Solid	SW846 9045C	12E0366_P
AVE0225-32	SB-1 1	Total	Solid	SW846 9045C	12E0366_P
AVE0225-33	SB-1 4.5	Total	Solid	SW846 9045C	12E0366_P

Prep Batch: 12E0286_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12E0286-DUP1	SB-5 5	Total	Solid	No Prep - WC	
AVE0225-02	SB-2 1	Total	Solid	No Prep - WC	
AVE0225-03	SB-2 4	Total	Solid	No Prep - WC	
AVE0225-04	SB-2 9.5	Total	Solid	No Prep - WC	
AVE0225-05	SB-3 1	Total	Solid	No Prep - WC	
AVE0225-06	SB-3 4.5	Total	Solid	No Prep - WC	
AVE0225-07	SB-4 1	Total	Solid	No Prep - WC	
AVE0225-08	SB-4 4	Total	Solid	No Prep - WC	
AVE0225-09	SB-5 1	Total	Solid	No Prep - WC	
AVE0225-10	SB-5 5	Total	Solid	No Prep - WC	
AVE0225-11	SB-5 9	Total	Solid	No Prep - WC	
AVE0225-13	SB-6 1	Total	Solid	No Prep - WC	
AVE0225-14	SB-6 2.5	Total	Solid	No Prep - WC	
AVE0225-15	SB-7 1	Total	Solid	No Prep - WC	
AVE0225-16	SB-7 5	Total	Solid	No Prep - WC	

Prep Batch: 12E0287_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12E0287-DUP1	SB-1 8.5	Total	Solid	No Prep - WC	
AVE0225-17	SB-7 7.5	Total	Solid	No Prep - WC	
AVE0225-19	TMW-1 1	Total	Solid	No Prep - WC	
AVE0225-20	TMW-1 4.5	Total	Solid	No Prep - WC	
AVE0225-21	TMW-2 0.5	Total	Solid	No Prep - WC	
AVE0225-22	TMW-2 4.5	Total	Solid	No Prep - WC	
AVE0225-23	TMW-3 1	Total	Solid	No Prep - WC	
AVE0225-24	TMW-3 4.5	Total	Solid	No Prep - WC	
AVE0225-25	TMW-3 6.5	Total	Solid	No Prep - WC	
AVE0225-27	TMW-4 1	Total	Solid	No Prep - WC	
AVE0225-28	TMW-4 4.5	Total	Solid	No Prep - WC	
AVE0225-29	TMW-5 1	Total	Solid	No Prep - WC	
AVE0225-30	TMW-5 4.5	Total	Solid	No Prep - WC	
AVE0225-31	TMW-5 6	Total	Solid	No Prep - WC	
AVE0225-32	SB-1 1	Total	Solid	No Prep - WC	
AVE0225-33	SB-1 4.5	Total	Solid	No Prep - WC	

Prep Batch: 12E0365_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12E0365-BS1	Lab Control Sample	Total	Solid	No Prep - WC	
12E0365-DUP1	SB-4 1	Total	Solid	No Prep - WC	
AVE0225-02	SB-2 1	Total	Solid	No Prep - WC	
AVE0225-03	SB-2 4	Total	Solid	No Prep - WC	
AVE0225-05	SB-3 1	Total	Solid	No Prep - WC	
AVE0225-06	SB-3 4.5	Total	Solid	No Prep - WC	
AVE0225-07	SB-4 1	Total	Solid	No Prep - WC	
AVE0225-08	SB-4 4	Total	Solid	No Prep - WC	

Wet Chemistry (Continued)

Prep Batch: 12E0365_P (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
AVE0225-09	SB-5 1	Total	Solid	No Prep - WC	
AVE0225-10	SB-5 5	Total	Solid	No Prep - WC	
AVE0225-13	SB-6 1	Total	Solid	No Prep - WC	
AVE0225-14	SB-6 2.5	Total	Solid	No Prep - WC	
AVE0225-15	SB-7 1	Total	Solid	No Prep - WC	
AVE0225-16	SB-7 5	Total	Solid	No Prep - WC	
AVE0225-19	TMW-1 1	Total	Solid	No Prep - WC	
AVE0225-20	TMW-1 4.5	Total	Solid	No Prep - WC	
AVE0225-21	TMW-2 0.5	Total	Solid	No Prep - WC	
AVE0225-22	TMW-2 4.5	Total	Solid	No Prep - WC	
AVE0225-23	TMW-3 1	Total	Solid	No Prep - WC	

Prep Batch: 12E0366_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12E0366-BS1	Lab Control Sample	Total	Solid	No Prep - WC	
12E0366-DUP1	TMW-3 6.5	Total	Solid	No Prep - WC	
AVE0225-24	TMW-3 4.5	Total	Solid	No Prep - WC	
AVE0225-27	TMW-4 1	Total	Solid	No Prep - WC	
AVE0225-28	TMW-4 4.5	Total	Solid	No Prep - WC	
AVE0225-29	TMW-5 1	Total	Solid	No Prep - WC	
AVE0225-30	TMW-5 4.5	Total	Solid	No Prep - WC	
AVE0225-32	SB-1 1	Total	Solid	No Prep - WC	
AVE0225-33	SB-1 4.5	Total	Solid	No Prep - WC	

Analysis Batch: 12E0366

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
AVE0225-25	TMW-3 6.5	Total	Solid	SW846 9045C	

Method: 8260B - Volatile Organic Compounds by SW846 8260B

Lab Sample ID: 12E0268-BLK1
Matrix: Water
Analysis Batch: 12E0268

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 12E0268_P

Analyte	Blank Result	Blank Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.00100	0.000332	mg/L		05/22/12 10:43	05/22/12 16:34	1.00
1,1,1-Trichloroethane	ND		0.00100	0.000360	mg/L		05/22/12 10:43	05/22/12 16:34	1.00
1,1,2,2-Tetrachloroethane	ND		0.00100	0.000310	mg/L		05/22/12 10:43	05/22/12 16:34	1.00
1,1,2-Trichloroethane	ND		0.00100	0.000352	mg/L		05/22/12 10:43	05/22/12 16:34	1.00
1,1-Dichloroethane	ND		0.00100	0.000374	mg/L		05/22/12 10:43	05/22/12 16:34	1.00
1,1-Dichloroethene	ND		0.00100	0.000427	mg/L		05/22/12 10:43	05/22/12 16:34	1.00
1,2,4-Trimethylbenzene	ND		0.00100	0.000598	mg/L		05/22/12 10:43	05/22/12 16:34	1.00
1,2-Dibromoethane (EDB)	ND		0.00100	0.000500	mg/L		05/22/12 10:43	05/22/12 16:34	1.00
1,2-Dichlorobenzene	ND		0.00100	0.000434	mg/L		05/22/12 10:43	05/22/12 16:34	1.00
1,2-Dichloroethane	ND		0.00100	0.000392	mg/L		05/22/12 10:43	05/22/12 16:34	1.00
1,2-Dichloropropane	ND		0.00100	0.000373	mg/L		05/22/12 10:43	05/22/12 16:34	1.00
1,3-Dichlorobenzene	ND		0.00100	0.000386	mg/L		05/22/12 10:43	05/22/12 16:34	1.00
1,4-Dichlorobenzene	ND		0.00100	0.000293	mg/L		05/22/12 10:43	05/22/12 16:34	1.00
2-Butanone (MEK)	ND		0.00500	0.00110	mg/L		05/22/12 10:43	05/22/12 16:34	1.00
2-Hexanone	ND		0.0100	0.00500	mg/L		05/22/12 10:43	05/22/12 16:34	1.00
4-Isopropyltoluene	ND		0.00100	0.000633	mg/L		05/22/12 10:43	05/22/12 16:34	1.00
4-Methyl-2-pentanone (MIBK)	ND		0.00500	0.00108	mg/L		05/22/12 10:43	05/22/12 16:34	1.00
Acetone	ND		0.00500	0.00154	mg/L		05/22/12 10:43	05/22/12 16:34	1.00
Benzene	ND		0.00100	0.000339	mg/L		05/22/12 10:43	05/22/12 16:34	1.00
Bromobenzene	ND		0.00100	0.000394	mg/L		05/22/12 10:43	05/22/12 16:34	1.00
romochloromethane	ND		0.00100	0.000368	mg/L		05/22/12 10:43	05/22/12 16:34	1.00
Bromodichloromethane	ND		0.00100	0.000369	mg/L		05/22/12 10:43	05/22/12 16:34	1.00
Bromoethane	ND		0.0100	0.000381	mg/L		05/22/12 10:43	05/22/12 16:34	1.00
Bromoform	ND		0.00200	0.000684	mg/L		05/22/12 10:43	05/22/12 16:34	1.00
Bromomethane	ND		0.00200	0.00116	mg/L		05/22/12 10:43	05/22/12 16:34	1.00
Carbon disulfide	ND		0.00100	0.000383	mg/L		05/22/12 10:43	05/22/12 16:34	1.00
Carbon tetrachloride	ND		0.00100	0.000335	mg/L		05/22/12 10:43	05/22/12 16:34	1.00
Chlorobenzene	ND		0.00100	0.000333	mg/L		05/22/12 10:43	05/22/12 16:34	1.00
Chlorodibromomethane	ND		0.00100	0.000278	mg/L		05/22/12 10:43	05/22/12 16:34	1.00
Chloroethane	ND		0.00200	0.00134	mg/L		05/22/12 10:43	05/22/12 16:34	1.00
Chloroform	ND		0.00100	0.000349	mg/L		05/22/12 10:43	05/22/12 16:34	1.00
Chloromethane	ND		0.00200	0.000546	mg/L		05/22/12 10:43	05/22/12 16:34	1.00
cis-1,2-Dichloroethene	ND		0.00100	0.000367	mg/L		05/22/12 10:43	05/22/12 16:34	1.00
cis-1,3-Dichloropropene	ND		0.00100	0.000500	mg/L		05/22/12 10:43	05/22/12 16:34	1.00
Dibromomethane	ND		0.00100	0.000407	mg/L		05/22/12 10:43	05/22/12 16:34	1.00
Dichlorodifluoromethane	ND		0.00200	0.000581	mg/L		05/22/12 10:43	05/22/12 16:34	1.00
Ethylbenzene	ND		0.00100	0.000416	mg/L		05/22/12 10:43	05/22/12 16:34	1.00
Hexachlorobutadiene	ND		0.00100	0.000567	mg/L		05/22/12 10:43	05/22/12 16:34	1.00
Isopropylbenzene	ND		0.00100	0.000332	mg/L		05/22/12 10:43	05/22/12 16:34	1.00
Methyl tert-Butyl Ether	ND		0.00100	0.000336	mg/L		05/22/12 10:43	05/22/12 16:34	1.00
Methylene chloride	ND		0.00200	0.000422	mg/L		05/22/12 10:43	05/22/12 16:34	1.00
n-Butylbenzene	ND		0.00100	0.000878	mg/L		05/22/12 10:43	05/22/12 16:34	1.00
n-Propylbenzene	ND		0.00100	0.000441	mg/L		05/22/12 10:43	05/22/12 16:34	1.00
sec-Butylbenzene	ND		0.00100	0.000609	mg/L		05/22/12 10:43	05/22/12 16:34	1.00
Styrene	ND		0.00100	0.000269	mg/L		05/22/12 10:43	05/22/12 16:34	1.00
ert-Butylbenzene	ND		0.00100	0.000310	mg/L		05/22/12 10:43	05/22/12 16:34	1.00
etrachloroethene	ND		0.00100	0.000640	mg/L		05/22/12 10:43	05/22/12 16:34	1.00
Toluene	ND		0.00100	0.000288	mg/L		05/22/12 10:43	05/22/12 16:34	1.00
trans-1,2-Dichloroethene	ND		0.00100	0.000372	mg/L		05/22/12 10:43	05/22/12 16:34	1.00

Method: 8260B - Volatile Organic Compounds by SW846 8260B (Continued)

Lab Sample ID: 12E0268-BLK1
Matrix: Water
Analysis Batch: 12E0268

Client Sample ID: Method Bla
Prep Type: Total
Prep Batch: 12E0268_P

Analyte	Blank Result	Blank Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		0.00100	0.000220	mg/L		05/22/12 10:43	05/22/12 16:34	1.00
Trichloroethene	ND		0.00100	0.000449	mg/L		05/22/12 10:43	05/22/12 16:34	1.00
Trichlorofluoromethane	ND		0.00200	0.000573	mg/L		05/22/12 10:43	05/22/12 16:34	1.00
Vinyl chloride	ND		0.00200	0.000537	mg/L		05/22/12 10:43	05/22/12 16:34	1.00
Xylenes, total	ND		0.00300	0.00120	mg/L		05/22/12 10:43	05/22/12 16:34	1.00

Surrogate	*Blank %Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*110*		*69 - 133*	*05/22/12 10:43*	*05/22/12 16:34*	*1.00*
4-Bromofluorobenzene	*100*		*66 - 124*	*05/22/12 10:43*	*05/22/12 16:34*	*1.00*
Dibromofluoromethane	*111*		*81 - 127*	*05/22/12 10:43*	*05/22/12 16:34*	*1.00*
Toluene-d8	*103*		*87 - 121*	*05/22/12 10:43*	*05/22/12 16:34*	*1.00*

Lab Sample ID: 12E0268-BS1
Matrix: Water
Analysis Batch: 12E0268

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 12E0268_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	0.02000	0.0170		mg/L		85	66 - 137
1,1,1-Trichloroethane	0.02000	0.0191		mg/L		95	69 - 141
1,1,2,2-Tetrachloroethane	0.02000	0.0173		mg/L		87	61 - 128
1,1,2-Trichloroethane	0.02000	0.0172		mg/L		86	67 - 142
1,1-Dichloroethane	0.02000	0.0181		mg/L		91	65 - 134
1,1-Dichloroethene	0.02000	0.0177		mg/L		89	62 - 135
1,2,4-Trimethylbenzene	0.02000	0.0154		mg/L		77	66 - 138
1,2-Dibromoethane (EDB)	0.02000	0.0171		mg/L		86	67 - 141
1,2-Dichlorobenzene	0.02000	0.0158		mg/L		79	63 - 130
1,2-Dichloroethane	0.02000	0.0209		mg/L		105	66 - 137
1,2-Dichloropropane	0.02000	0.0181		mg/L		91	80 - 120
1,3-Dichlorobenzene	0.02000	0.0156		mg/L		78	63 - 131
1,4-Dichlorobenzene	0.02000	0.0153		mg/L		76	62 - 128
2-Butanone (MEK)	0.02000	0.0217		mg/L		109	50 - 150
2-Hexanone	0.02000	0.0152		mg/L		76	50 - 150
4-Isopropyltoluene	0.02000	0.0151		mg/L		76	63 - 131
4-Methyl-2-pentanone (MIBK)	0.02000	0.0154		mg/L		77	62 - 128
Acetone	0.02000	0.0232		mg/L		116	71 - 194
Benzene	0.02000	0.0180		mg/L		90	64 - 133
Bromobenzene	0.02000	0.0159		mg/L		79	63 - 131
Bromochloromethane	0.02000	0.0187		mg/L		94	66 - 137
Bromodichloromethane	0.02000	0.0203		mg/L		102	65 - 135
Bromoethane	0.02000	0.0185		mg/L		92	67 - 137
Bromoform	0.02000	0.0175		mg/L		87	60 - 125
Bromomethane	0.02000	0.0195		mg/L		98	40 - 187
Carbon disulfide	0.02000	0.0175		mg/L		88	64 - 132
Carbon tetrachloride	0.02000	0.0195		mg/L		98	59 - 134
Chlorobenzene	0.02000	0.0161		mg/L		81	63 - 132
Chlorodibromomethane	0.02000	0.0180		mg/L		90	65 - 136
Chloroethane	0.02000	0.0172		mg/L		86	39 - 142
Chloroform	0.02000	0.0192		mg/L		96	80 - 120
Chloromethane	0.02000	0.0173		mg/L		87	64 - 134

Method: 8260B - Volatile Organic Compounds by SW846 8260B (Continued)

Lab Sample ID: 12E0268-BS1 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total**
Analysis Batch: 12E0268 — **Prep Batch: 12E0268_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	0.02000	0.0181		mg/L		91	67 - 133
cis-1,3-Dichloropropene	0.02000	0.0180		mg/L		90	84 - 124
Dibromomethane	0.02000	0.0197		mg/L		98	65 - 137
Dichlorodifluoromethane	0.02000	0.0186		mg/L		93	16 - 139
Ethylbenzene	0.02000	0.0156		mg/L		78	77 - 116
Hexachlorobutadiene	0.02000	0.0148		mg/L		74	10 - 154
Isopropylbenzene	0.02000	0.0158		mg/L		79	63 - 130
Methyl tert-Butyl Ether	0.02000	0.0184		mg/L		92	55 - 114
Methylene chloride	0.02000	0.0183		mg/L		92	67 - 139
n-Butylbenzene	0.02000	0.0151		mg/L		75	43 - 134
n-Propylbenzene	0.02000	0.0158		mg/L		79	60 - 125
sec-Butylbenzene	0.02000	0.0152		mg/L		76	63 - 131
Styrene	0.02000	0.0156		mg/L		78	58 - 127
tert-Butylbenzene	0.02000	0.0159		mg/L		79	68 - 140
Tetrachloroethene	0.02000	0.0146		mg/L		73	47 - 146
Toluene	0.02000	0.0160		mg/L		80	80 - 123
trans-1,2-Dichloroethene	0.02000	0.0180		mg/L		90	63 - 132
trans-1,3-Dichloropropene	0.02000	0.0170		mg/L		85	70 - 145
Trichloroethene	0.02000	0.0173		mg/L		86	65 - 134
Trichlorofluoromethane	0.02000	0.0215		mg/L		108	44 - 132
Vinyl chloride	0.02000	0.0188		mg/L		94	53 - 139
Xylenes, total	0.06000	0.0481		mg/L		80	64 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4	*110*		*69 - 133*
4-Bromofluorobenzene	*99*		*66 - 124*
Dibromofluoromethane	*108*		*81 - 127*
Toluene-d8	*104*		*87 - 121*

Lab Sample ID: 12E0268-BSD1 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total**
Analysis Batch: 12E0268 — **Prep Batch: 12E0268_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	0.02000	0.0170		mg/L		85	66 - 137	0.3	20
1,1,1-Trichloroethane	0.02000	0.0191		mg/L		96	69 - 141	0.3	20
1,1,2,2-Tetrachloroethane	0.02000	0.0180		mg/L		90	61 - 128	4	20
1,1,2-Trichloroethane	0.02000	0.0177		mg/L		88	67 - 142	3	20
1,1-Dichloroethane	0.02000	0.0179		mg/L		90	65 - 134	1	20
1,1-Dichloroethene	0.02000	0.0175		mg/L		88	62 - 135	1	20
1,2,4-Trimethylbenzene	0.02000	0.0153		mg/L		76	66 - 138	0.7	20
1,2-Dibromoethane (EDB)	0.02000	0.0178		mg/L		89	67 - 141	4	20
1,2-Dichlorobenzene	0.02000	0.0155		mg/L		78	63 - 130	2	20
1,2-Dichloroethane	0.02000	0.0215		mg/L		108	66 - 137	3	20
1,2-Dichloropropane	0.02000	0.0181		mg/L		90	80 - 120	0.4	20
1,3-Dichlorobenzene	0.02000	0.0155		mg/L		78	63 - 131	0.5	20
1,4-Dichlorobenzene	0.02000	0.0153		mg/L		77	62 - 128	0.1	20
2-Butanone (MEK)	0.02000	0.0203		mg/L		102	50 - 150	7	20
2-Hexanone	0.02000	0.0166		mg/L		83	50 - 150	9	20

Method: 8260B - Volatile Organic Compounds by SW846 8260B (Continued)

Lab Sample ID: 12E0268-BSD1
Matrix: Water
Analysis Batch: 12E0268

Client Sample ID: Lab Control Sample Du
Prep Type: Total
Prep Batch: 12E0268_P

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4-Isopropyltoluene	0.02000	0.0147		mg/L		73	63 - 131	3	20
4-Methyl-2-pentanone (MIBK)	0.02000	0.0161		mg/L		81	62 - 128	5	20
Acetone	0.02000	0.0231		mg/L		115	71 - 194	0.6	20
Benzene	0.02000	0.0178		mg/L		89	64 - 133	0.8	20
Bromobenzene	0.02000	0.0162		mg/L		81	63 - 131	2	20
Bromochloromethane	0.02000	0.0191		mg/L		95	66 - 137	2	20
Bromodichloromethane	0.02000	0.0202		mg/L		101	65 - 135	0.6	20
Bromoethane	0.02000	0.0183		mg/L		91	67 - 137	1	20
Bromoform	0.02000	0.0180		mg/L		90	60 - 125	3	20
Bromomethane	0.02000	0.0196		mg/L		98	40 - 187	0.4	20
Carbon disulfide	0.02000	0.0173		mg/L		86	64 - 132	2	20
Carbon tetrachloride	0.02000	0.0185		mg/L		93	59 - 134	5	20
Chlorobenzene	0.02000	0.0162		mg/L		81	63 - 132	0.6	20
Chlorodibromomethane	0.02000	0.0183		mg/L		92	65 - 136	2	20
Chloroethane	0.02000	0.0172		mg/L		86	39 - 142	0.2	20
Chloroform	0.02000	0.0193		mg/L		97	80 - 120	0.6	20
Chloromethane	0.02000	0.0169		mg/L		85	64 - 134	2	20
cis-1,2-Dichloroethene	0.02000	0.0181		mg/L		91	67 - 133	0.1	20
cis-1,3-Dichloropropene	0.02000	0.0187		mg/L		93	84 - 124	4	20
Dibromomethane	0.02000	0.0197		mg/L		98	65 - 137	0.03	20
Dichlorodifluoromethane	0.02000	0.0181		mg/L		91	16 - 139	2	[illegible]
Ethylbenzene	0.02000	0.0157		mg/L		78	77 - 116	0.1	[illegible]
Hexachlorobutadiene	0.02000	0.0140		mg/L		70	10 - 154	6	20
Isopropylbenzene	0.02000	0.0157		mg/L		79	63 - 130	0.5	20
Methyl tert-Butyl Ether	0.02000	0.0188		mg/L		94	55 - 114	3	20
Methylene chloride	0.02000	0.0187		mg/L		93	67 - 139	2	20
n-Butylbenzene	0.02000	0.0148		mg/L		74	43 - 134	2	20
n-Propylbenzene	0.02000	0.0152		mg/L		76	60 - 125	4	20
sec-Butylbenzene	0.02000	0.0149		mg/L		74	63 - 131	2	20
Styrene	0.02000	0.0156		mg/L		78	58 - 127	0.03	20
tert-Butylbenzene	0.02000	0.0154		mg/L		77	68 - 140	3	20
Tetrachloroethene	0.02000	0.0150		mg/L		75	47 - 146	3	20
Toluene	0.02000	0.0162		mg/L		81	80 - 123	1	20
trans-1,2-Dichloroethene	0.02000	0.0177		mg/L		89	63 - 132	2	20
trans-1,3-Dichloropropene	0.02000	0.0176		mg/L		88	70 - 145	3	20
Trichloroethene	0.02000	0.0174		mg/L		87	65 - 134	0.5	20
Trichlorofluoromethane	0.02000	0.0210		mg/L		105	44 - 132	3	20
Vinyl chloride	0.02000	0.0188		mg/L		94	53 - 139	0.009	20
Xylenes, total	0.06000	0.0477		mg/L		80	64 - 132	0.7	20

Surrogate	*LCS Dup %Recovery*	*LCS Dup Qualifier*	*Limits*
1,2-Dichloroethane-d4	*110*		*69 - 133*
4-Bromofluorobenzene	*101*		*66 - 124*
Dibromofluoromethane	*109*		*81 - 127*
Toluene-d8	*103*		*87 - 121*

Method: 8260B - Volatile Organic Compounds by SW846 8260B (Continued)

Lab Sample ID: 12E0270-BLK1
Matrix: Solid
Analysis Batch: 12E0270

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 12E0270_P

Analyte	Blank Result	Blank Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.00500	0.00166	mg/kg wet		05/22/12 12:45	05/22/12 15:53	1.00
1,1,1-Trichloroethane	ND		0.00500	0.00129	mg/kg wet		05/22/12 12:45	05/22/12 15:53	1.00
1,1,2,2-Tetrachloroethane	ND		0.00500	0.00319	mg/kg wet		05/22/12 12:45	05/22/12 15:53	1.00
1,1,2-Trichloroethane	ND		0.00500	0.00222	mg/kg wet		05/22/12 12:45	05/22/12 15:53	1.00
1,1-Dichloroethane	ND		0.00500	0.000675	mg/kg wet		05/22/12 12:45	05/22/12 15:53	1.00
1,1-Dichloroethene	ND		0.00500	0.000862	mg/kg wet		05/22/12 12:45	05/22/12 15:53	1.00
1,2,4-Trimethylbenzene	ND		0.00500	0.00201	mg/kg wet		05/22/12 12:45	05/22/12 15:53	1.00
1,2-Dibromoethane (EDB)	ND		0.00500	0.00151	mg/kg wet		05/22/12 12:45	05/22/12 15:53	1.00
1,2-Dichlorobenzene	ND		0.00500	0.00244	mg/kg wet		05/22/12 12:45	05/22/12 15:53	1.00
1,2-Dichloroethane	ND		0.00500	0.000861	mg/kg wet		05/22/12 12:45	05/22/12 15:53	1.00
1,2-Dichloropropane	ND		0.00500	0.000681	mg/kg wet		05/22/12 12:45	05/22/12 15:53	1.00
1,3-Dichlorobenzene	ND		0.00500	0.00194	mg/kg wet		05/22/12 12:45	05/22/12 15:53	1.00
1,4-Dichlorobenzene	ND		0.00500	0.00189	mg/kg wet		05/22/12 12:45	05/22/12 15:53	1.00
2-Butanone (MEK)	ND		0.0100	0.00460	mg/kg wet		05/22/12 12:45	05/22/12 15:53	1.00
2-Hexanone	ND		0.0100	0.00343	mg/kg wet		05/22/12 12:45	05/22/12 15:53	1.00
4-Isopropyltoluene	ND		0.00500	0.00169	mg/kg wet		05/22/12 12:45	05/22/12 15:53	1.00
4-Methyl-2-pentanone (MIBK)	ND		0.0100	0.00256	mg/kg wet		05/22/12 12:45	05/22/12 15:53	1.00
Acetone	ND		0.0500	0.00476	mg/kg wet		05/22/12 12:45	05/22/12 15:53	1.00
Benzene	ND		0.00500	0.000780	mg/kg wet		05/22/12 12:45	05/22/12 15:53	1.00
Bromobenzene	ND		0.00500	0.00231	mg/kg wet		05/22/12 12:45	05/22/12 15:53	1.00
Bromochloromethane	ND		0.00500	0.000797	mg/kg wet		05/22/12 12:45	05/22/12 15:53	1.00
Bromodichloromethane	ND		0.00500	0.000683	mg/kg wet		05/22/12 12:45	05/22/12 15:53	1.00
Bromoethane	ND		0.0100	0.00112	mg/kg wet		05/22/12 12:45	05/22/12 15:53	1.00
Bromoform	ND		0.00500	0.00123	mg/kg wet		05/22/12 12:45	05/22/12 15:53	1.00
Bromomethane	ND		0.0100	0.000921	mg/kg wet		05/22/12 12:45	05/22/12 15:53	1.00
Carbon disulfide	ND		0.00500	0.000996	mg/kg wet		05/22/12 12:45	05/22/12 15:53	1.00
Carbon tetrachloride	ND		0.00500	0.00114	mg/kg wet		05/22/12 12:45	05/22/12 15:53	1.00
Chlorobenzene	ND		0.00500	0.000863	mg/kg wet		05/22/12 12:45	05/22/12 15:53	1.00
Chlorodibromomethane	ND		0.00500	0.00178	mg/kg wet		05/22/12 12:45	05/22/12 15:53	1.00
Chloroethane	ND		0.0100	0.00153	mg/kg wet		05/22/12 12:45	05/22/12 15:53	1.00
Chloroform	ND		0.00500	0.000730	mg/kg wet		05/22/12 12:45	05/22/12 15:53	1.00
Chloromethane	ND		0.0100	0.00302	mg/kg wet		05/22/12 12:45	05/22/12 15:53	1.00
cis-1,2-Dichloroethene	ND		0.00500	0.000635	mg/kg wet		05/22/12 12:45	05/22/12 15:53	1.00
cis-1,3-Dichloropropene	ND		0.00500	0.00131	mg/kg wet		05/22/12 12:45	05/22/12 15:53	1.00
Dibromomethane	ND		0.00500	0.000887	mg/kg wet		05/22/12 12:45	05/22/12 15:53	1.00
Dichlorodifluoromethane	ND		0.0200	0.0100	mg/kg wet		05/22/12 12:45	05/22/12 15:53	1.00
Ethylbenzene	ND		0.00500	0.00121	mg/kg wet		05/22/12 12:45	05/22/12 15:53	1.00
Hexachlorobutadiene	ND		0.00500	0.00182	mg/kg wet		05/22/12 12:45	05/22/12 15:53	1.00
Isopropylbenzene	ND		0.00500	0.00181	mg/kg wet		05/22/12 12:45	05/22/12 15:53	1.00
Methyl tert-Butyl Ether	ND		0.00500	0.000864	mg/kg wet		05/22/12 12:45	05/22/12 15:53	1.00
Methylene chloride	ND		0.00500	0.00106	mg/kg wet		05/22/12 12:45	05/22/12 15:53	1.00
n-Butylbenzene	ND		0.00500	0.00166	mg/kg wet		05/22/12 12:45	05/22/12 15:53	1.00
n-Propylbenzene	ND		0.00500	0.00183	mg/kg wet		05/22/12 12:45	05/22/12 15:53	1.00
sec-Butylbenzene	ND		0.00500	0.00211	mg/kg wet		05/22/12 12:45	05/22/12 15:53	1.00
Styrene	ND		0.00500	0.00164	mg/kg wet		05/22/12 12:45	05/22/12 15:53	1.00
tert-Butylbenzene	ND		0.00500	0.00190	mg/kg wet		05/22/12 12:45	05/22/12 15:53	1.00
Tetrachloroethene	ND		0.00500	0.00158	mg/kg wet		05/22/12 12:45	05/22/12 15:53	1.00
Toluene	ND		0.00500	0.000992	mg/kg wet		05/22/12 12:45	05/22/12 15:53	1.00
trans-1,2-Dichloroethene	ND		0.00500	0.000849	mg/kg wet		05/22/12 12:45	05/22/12 15:53	1.00

Method: 8260B - Volatile Organic Compounds by SW846 8260B (Continued)

Lab Sample ID: 12E0270-BLK1
Matrix: Solid
Analysis Batch: 12E0270

Client Sample ID: Method Bla
Prep Type: Total
Prep Batch: 12E0270_P

Analyte	Blank Result	Blank Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		0.00500	0.00165	mg/kg wet		05/22/12 12:45	05/22/12 15:53	1.00
Trichloroethene	ND		0.00500	0.000946	mg/kg wet		05/22/12 12:45	05/22/12 15:53	1.00
Trichlorofluoromethane	ND		0.0100	0.00104	mg/kg wet		05/22/12 12:45	05/22/12 15:53	1.00
Vinyl chloride	ND		0.00500	0.00147	mg/kg wet		05/22/12 12:45	05/22/12 15:53	1.00
Xylenes, total	ND		0.0150	0.00300	mg/kg wet		05/22/12 12:45	05/22/12 15:53	1.00

Surrogate	*Blank %Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*101*		*67 - 127*	*05/22/12 12:45*	*05/22/12 15:53*	*1.00*
4-Bromofluorobenzene	*103*		*59 - 119*	*05/22/12 12:45*	*05/22/12 15:53*	*1.00*
Dibromofluoromethane	*94*		*69 - 129*	*05/22/12 12:45*	*05/22/12 15:53*	*1.00*
Toluene-d8	*98*		*76 - 136*	*05/22/12 12:45*	*05/22/12 15:53*	*1.00*

Lab Sample ID: 12E0270-BS1
Matrix: Solid
Analysis Batch: 12E0270

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 12E0270_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	0.05000	0.0424		mg/kg wet		85	74 - 134
1,1,1-Trichloroethane	0.05000	0.0470		mg/kg wet		94	65 - 125
1,1,2,2-Tetrachloroethane	0.05000	0.0525		mg/kg wet		105	74 - 134
1,1,2-Trichloroethane	0.05000	0.0481		mg/kg wet		96	69 - 129
1,1-Dichloroethane	0.05000	0.0697	L	mg/kg wet		139	61 - 121
1,1-Dichloroethene	0.05000	0.0512		mg/kg wet		102	62 - 122
1,2,4-Trimethylbenzene	0.05000	0.0531		mg/kg wet		106	64 - 124
1,2-Dibromoethane (EDB)	0.05000	0.0457		mg/kg wet		91	73 - 133
1,2-Dichlorobenzene	0.05000	0.0463		mg/kg wet		93	65 - 125
1,2-Dichloroethane	0.05000	0.0572		mg/kg wet		114	67 - 127
1,2-Dichloropropane	0.05000	0.0573		mg/kg wet		115	70 - 130
1,3-Dichlorobenzene	0.05000	0.0465		mg/kg wet		93	62 - 122
1,4-Dichlorobenzene	0.05000	0.0454		mg/kg wet		91	64 - 124
2-Butanone (MEK)	0.05000	0.0523		mg/kg wet		105	46 - 120
2-Hexanone	0.05000	0.0541		mg/kg wet		108	74 - 134
4-Isopropyltoluene	0.05000	0.0472		mg/kg wet		94	65 - 125
4-Methyl-2-pentanone (MIBK)	0.05000	0.0530		mg/kg wet		106	72 - 132
Acetone	0.05000	0.0483	J	mg/kg wet		97	40 - 120
Benzene	0.05000	0.0537		mg/kg wet		107	68 - 128
Bromobenzene	0.05000	0.0465		mg/kg wet		93	64 - 124
Bromochloromethane	0.05000	0.0465		mg/kg wet		93	57 - 117
Bromodichloromethane	0.05000	0.0578		mg/kg wet		116	77 - 137
Bromoethane	0.05000	0.0418		mg/kg wet		84	70 - 130
Bromoform	0.05000	0.0477		mg/kg wet		95	80 - 181
Bromomethane	0.05000	0.0462		mg/kg wet		92	61 - 121
Carbon disulfide	0.05000	0.0494		mg/kg wet		99	59 - 119
Carbon tetrachloride	0.05000	0.0510		mg/kg wet		102	71 - 131
Chlorobenzene	0.05000	0.0499		mg/kg wet		100	65 - 125
Chlorodibromomethane	0.05000	0.0518		mg/kg wet		104	77 - 137
Chloroethane	0.05000	0.0555		mg/kg wet		111	64 - 124
Chloroform	0.05000	0.0623	L	mg/kg wet		125	62 - 122
Chloromethane	0.05000	0.0592		mg/kg wet		118	61 - 121

Method: 8260B - Volatile Organic Compounds by SW846 8260B (Continued)

Lab Sample ID: 12E0270-BS1 — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total**
Analysis Batch: 12E0270 — **Prep Batch: 12E0270_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	0.05000	0.0471		mg/kg wet		94	58 - 118
cis-1,3-Dichloropropene	0.05000	0.0473		mg/kg wet		95	72 - 132
Dibromomethane	0.05000	0.0407		mg/kg wet		81	69 - 129
Dichlorodifluoromethane	0.05000	0.0465		mg/kg wet		93	54 - 114
Ethylbenzene	0.05000	0.0508		mg/kg wet		102	65 - 125
Hexachlorobutadiene	0.05000	0.0411		mg/kg wet		82	68 - 128
Isopropylbenzene	0.05000	0.0508		mg/kg wet		102	63 - 123
Methyl tert-Butyl Ether	0.05000	0.0407		mg/kg wet		81	58 - 118
Methylene chloride	0.05000	0.0487		mg/kg wet		97	63 - 123
n-Butylbenzene	0.05000	0.0506		mg/kg wet		101	68 - 128
n-Propylbenzene	0.05000	0.0504		mg/kg wet		101	62 - 122
sec-Butylbenzene	0.05000	0.0494		mg/kg wet		99	65 - 125
Styrene	0.05000	0.0504		mg/kg wet		101	68 - 128
tert-Butylbenzene	0.05000	0.0494		mg/kg wet		99	63 - 123
Tetrachloroethene	0.05000	0.0443		mg/kg wet		89	69 - 129
Toluene	0.05000	0.0572		mg/kg wet		114	64 - 124
trans-1,2-Dichloroethene	0.05000	0.0505		mg/kg wet		101	61 - 121
trans-1,3-Dichloropropene	0.05000	0.0425		mg/kg wet		85	74 - 134
Trichloroethene	0.05000	0.0466		mg/kg wet		93	67 - 127
Trichlorofluoromethane	0.05000	0.0552		mg/kg wet		110	62 - 122
Vinyl chloride	0.05000	0.0584		mg/kg wet		117	59 - 119
Xylenes, total	0.1500	0.151		mg/kg wet		100	64 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4	*98*		*67 - 127*
4-Bromofluorobenzene	*96*		*59 - 119*
Dibromofluoromethane	*85*		*69 - 129*
Toluene-d8	*94*		*76 - 136*

Lab Sample ID: 12E0270-BSD1 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total**
Analysis Batch: 12E0270 — **Prep Batch: 12E0270_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	0.05000	0.0399		mg/kg wet		80	74 - 134	6	30
1,1,1-Trichloroethane	0.05000	0.0450		mg/kg wet		90	65 - 125	4	30
1,1,2,2-Tetrachloroethane	0.05000	0.0505		mg/kg wet		101	74 - 134	4	30
1,1,2-Trichloroethane	0.05000	0.0463		mg/kg wet		93	69 - 129	4	30
1,1-Dichloroethane	0.05000	0.0666	L	mg/kg wet		133	61 - 121	5	30
1,1-Dichloroethene	0.05000	0.0489		mg/kg wet		98	62 - 122	5	30
1,2,4-Trimethylbenzene	0.05000	0.0526		mg/kg wet		105	64 - 124	0.8	30
1,2-Dibromoethane (EDB)	0.05000	0.0439		mg/kg wet		88	73 - 133	4	30
1,2-Dichlorobenzene	0.05000	0.0443		mg/kg wet		89	65 - 125	4	30
1,2-Dichloroethane	0.05000	0.0541		mg/kg wet		108	67 - 127	6	30
1,2-Dichloropropane	0.05000	0.0560		mg/kg wet		112	70 - 130	2	30
1,3-Dichlorobenzene	0.05000	0.0451		mg/kg wet		90	62 - 122	3	30
1,4-Dichlorobenzene	0.05000	0.0440		mg/kg wet		88	64 - 124	3	30
2-Butanone (MEK)	0.05000	0.0458		mg/kg wet		92	46 - 120	13	30
2-Hexanone	0.05000	0.0519		mg/kg wet		104	74 - 134	4	30

Method: 8260B - Volatile Organic Compounds by SW846 8260B (Continued)

Lab Sample ID: 12E0270-BSD1
Matrix: Solid
Analysis Batch: 12E0270

Client Sample ID: Lab Control Sample Du
Prep Type: Total
Prep Batch: 12E0270_P

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4-Isopropyltoluene	0.05000	0.0462		mg/kg wet		92	65 - 125	2	30
4-Methyl-2-pentanone (MIBK)	0.05000	0.0507		mg/kg wet		101	72 - 132	4	30
Acetone	0.05000	0.0431	J	mg/kg wet		86	40 - 120	11	30
Benzene	0.05000	0.0510		mg/kg wet		102	68 - 128	5	30
Bromobenzene	0.05000	0.0454		mg/kg wet		91	64 - 124	2	30
Bromochloromethane	0.05000	0.0426		mg/kg wet		85	57 - 117	9	30
Bromodichloromethane	0.05000	0.0530		mg/kg wet		106	77 - 137	9	30
Bromoethane	0.05000	0.0400		mg/kg wet		80	70 - 130	4	30
Bromoform	0.05000	0.0451		mg/kg wet		90	80 - 181	6	30
Bromomethane	0.05000	0.0439		mg/kg wet		88	61 - 121	5	30
Carbon disulfide	0.05000	0.0474		mg/kg wet		95	59 - 119	4	30
Carbon tetrachloride	0.05000	0.0496		mg/kg wet		99	71 - 131	3	30
Chlorobenzene	0.05000	0.0475		mg/kg wet		95	65 - 125	5	30
Chlorodibromomethane	0.05000	0.0490		mg/kg wet		98	77 - 137	6	30
Chloroethane	0.05000	0.0529		mg/kg wet		106	64 - 124	5	30
Chloroform	0.05000	0.0530		mg/kg wet		106	62 - 122	16	30
Chloromethane	0.05000	0.0569		mg/kg wet		114	61 - 121	4	30
cis-1,2-Dichloroethene	0.05000	0.0440		mg/kg wet		88	58 - 118	7	30
cis-1,3-Dichloropropene	0.05000	0.0433		mg/kg wet		87	72 - 132	9	30
Dibromomethane	0.05000	0.0388		mg/kg wet		78	69 - 129	5	30
Dichlorodifluoromethane	0.05000	0.0440		mg/kg wet		88	54 - 114	5	[illegible]
Ethylbenzene	0.05000	0.0494		mg/kg wet		99	65 - 125	3	[illegible]
Hexachlorobutadiene	0.05000	0.0379		mg/kg wet		76	68 - 128	8	30
Isopropylbenzene	0.05000	0.0497		mg/kg wet		99	63 - 123	2	30
Methyl tert-Butyl Ether	0.05000	0.0380		mg/kg wet		76	58 - 118	7	30
Methylene chloride	0.05000	0.0458		mg/kg wet		92	63 - 123	6	30
n-Butylbenzene	0.05000	0.0483		mg/kg wet		97	68 - 128	5	30
n-Propylbenzene	0.05000	0.0505		mg/kg wet		101	62 - 122	0.09	30
sec-Butylbenzene	0.05000	0.0491		mg/kg wet		98	65 - 125	0.6	30
Styrene	0.05000	0.0479		mg/kg wet		96	68 - 128	5	30
tert-Butylbenzene	0.05000	0.0491		mg/kg wet		98	63 - 123	0.6	30
Tetrachloroethene	0.05000	0.0431		mg/kg wet		86	69 - 129	3	30
Toluene	0.05000	0.0564		mg/kg wet		113	64 - 124	1	30
trans-1,2-Dichloroethene	0.05000	0.0482		mg/kg wet		96	61 - 121	5	30
trans-1,3-Dichloropropene	0.05000	0.0401		mg/kg wet		80	74 - 134	6	30
Trichloroethene	0.05000	0.0494		mg/kg wet		99	67 - 127	6	30
Trichlorofluoromethane	0.05000	0.0525		mg/kg wet		105	62 - 122	5	30
Vinyl chloride	0.05000	0.0568		mg/kg wet		114	59 - 119	3	30
Xylenes, total	0.1500	0.146		mg/kg wet		98	64 - 124	3	30

Surrogate	*LCS Dup %Recovery*	*LCS Dup Qualifier*	*Limits*
1,2-Dichloroethane-d4	*95*		*67 - 127*
4-Bromofluorobenzene	*94*		*59 - 119*
Dibromofluoromethane	*81*		*69 - 129*
Toluene-d8	*93*		*76 - 136*

Method: 8260B - Volatile Organic Compounds by SW846 8260B (Continued)

Lab Sample ID: 12E0270-MS1
Matrix: Solid
Analysis Batch: 12E0270

Client Sample ID: SB-2 1
Prep Type: Total
Prep Batch: 12E0270_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	ND		0.05960	0.0486		mg/kg dry	☼	82	74 - 134
1,1,1-Trichloroethane	ND		0.05960	0.0478		mg/kg dry	☼	80	65 - 125
1,1,2,2-Tetrachloroethane	ND		0.05960	0.0610		mg/kg dry	☼	102	74 - 134
1,1,2-Trichloroethane	ND		0.05960	0.0557		mg/kg dry	☼	93	69 - 129
1,1-Dichloroethane	ND		0.05960	0.0672		mg/kg dry	☼	113	61 - 121
1,1-Dichloroethene	ND		0.05960	0.0527		mg/kg dry	☼	88	62 - 122
1,2,4-Trimethylbenzene	ND		0.05960	0.0635		mg/kg dry	☼	107	64 - 124
1,2-Dibromoethane (EDB)	ND		0.05960	0.0534		mg/kg dry	☼	90	73 - 133
1,2-Dichlorobenzene	ND		0.05960	0.0555		mg/kg dry	☼	93	65 - 125
1,2-Dichloroethane	ND		0.05960	0.0666		mg/kg dry	☼	112	67 - 127
1,2-Dichloropropane	ND		0.05960	0.0703		mg/kg dry	☼	118	70 - 130
1,3-Dichlorobenzene	ND		0.05960	0.0548		mg/kg dry	☼	92	62 - 122
1,4-Dichlorobenzene	ND		0.05960	0.0545		mg/kg dry	☼	91	64 - 124
2-Butanone (MEK)	ND		0.05960	0.0501		mg/kg dry	☼	84	46 - 120
2-Hexanone	ND		0.05960	0.0608		mg/kg dry	☼	102	74 - 134
4-Isopropyltoluene	ND		0.05960	0.0607		mg/kg dry	☼	102	65 - 125
4-Methyl-2-pentanone (MIBK)	ND		0.05960	0.0603		mg/kg dry	☼	101	72 - 132
Acetone	ND		0.05960	0.0508	J	mg/kg dry	☼	85	40 - 120
Benzene	ND		0.05960	0.0590		mg/kg dry	☼	99	68 - 128
Bromobenzene	ND		0.05960	0.0536		mg/kg dry	☼	90	64 - 124
Bromochloromethane	ND		0.05960	0.0492		mg/kg dry	☼	83	57 - 117
Bromodichloromethane	ND		0.05960	0.0653		mg/kg dry	☼	110	77 - 137
Bromoethane	ND		0.05960	0.0461		mg/kg dry	☼	77	70 - 130
Bromoform	ND		0.05960	0.0558		mg/kg dry	☼	94	80 - 181
Bromomethane	ND		0.05960	0.0505		mg/kg dry	☼	85	61 - 121
Carbon disulfide	ND		0.05960	0.0512		mg/kg dry	☼	86	59 - 119
Carbon tetrachloride	ND		0.05960	0.0525		mg/kg dry	☼	88	71 - 131
Chlorobenzene	ND		0.05960	0.0558		mg/kg dry	☼	94	65 - 125
Chlorodibromomethane	ND		0.05960	0.0617		mg/kg dry	☼	103	77 - 137
Chloroethane	ND		0.05960	0.0607		mg/kg dry	☼	102	64 - 124
Chloroform	ND		0.05960	0.0612		mg/kg dry	☼	103	62 - 122
Chloromethane	ND		0.05960	0.0634		mg/kg dry	☼	106	61 - 121
cis-1,2-Dichloroethene	ND		0.05960	0.0546		mg/kg dry	☼	92	58 - 118
cis-1,3-Dichloropropene	ND		0.05960	0.0543		mg/kg dry	☼	91	72 - 132
Dibromomethane	ND		0.05960	0.0483		mg/kg dry	☼	81	69 - 129
Dichlorodifluoromethane	ND		0.05960	0.0448		mg/kg dry	☼	75	54 - 114
Ethylbenzene	ND		0.05960	0.0551		mg/kg dry	☼	93	65 - 125
Hexachlorobutadiene	ND		0.05960	0.0684		mg/kg dry	☼	115	68 - 128
Isopropylbenzene	ND		0.05960	0.0571		mg/kg dry	☼	96	63 - 123
Methyl tert-Butyl Ether	ND		0.05960	0.0530		mg/kg dry	☼	89	58 - 118
Methylene chloride	ND		0.05960	0.0573		mg/kg dry	☼	96	63 - 123
n-Butylbenzene	ND		0.05960	0.0682		mg/kg dry	☼	114	68 - 128
n-Propylbenzene	ND		0.05960	0.0584		mg/kg dry	☼	98	62 - 122
sec-Butylbenzene	ND		0.05960	0.0629		mg/kg dry	☼	106	65 - 125
Styrene	ND		0.05960	0.0575		mg/kg dry	☼	96	68 - 128
tert-Butylbenzene	ND		0.05960	0.0602		mg/kg dry	☼	101	63 - 123
Tetrachloroethene	ND		0.05960	0.0463		mg/kg dry	☼	78	69 - 129
Toluene	ND		0.05960	0.0627		mg/kg dry	☼	105	64 - 124
trans-1,2-Dichloroethene	ND		0.05960	0.0552		mg/kg dry	☼	93	61 - 121

Method: 8260B - Volatile Organic Compounds by SW846 8260B (Continued)

Lab Sample ID: 12E0270-MS1 — **Client Sample ID: SB-2**
Matrix: Solid — **Prep Type: Total**
Analysis Batch: 12E0270 — **Prep Batch: 12E0270_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
trans-1,3-Dichloropropene	ND		0.05960	0.0505		mg/kg dry	☼	85	74 - 134
Trichloroethene	ND		0.05960	0.0559		mg/kg dry	☼	94	67 - 127
Trichlorofluoromethane	ND		0.05960	0.0547		mg/kg dry	☼	92	62 - 122
Vinyl chloride	ND		0.05960	0.0598		mg/kg dry	☼	100	59 - 118
Xylenes, total	ND		0.1788	0.166		mg/kg dry	☼	93	64 - 124

Surrogate	*Matrix Spike %Recovery*	*Matrix Spike Qualifier*	*Limits*
1,2-Dichloroethane-d4	*97*		*67 - 127*
4-Bromofluorobenzene	*96*		*59 - 119*
Dibromofluoromethane	*86*		*69 - 129*
Toluene-d8	*94*		*76 - 136*

Lab Sample ID: 12E0270-MSD1 — **Client Sample ID: SB-2 1**
Matrix: Solid — **Prep Type: Total**
Analysis Batch: 12E0270 — **Prep Batch: 12E0270_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	trix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND		0.06007	0.0443		mg/kg dry	☼	74	74 - 134	9	30
1,1,1-Trichloroethane	ND		0.06007	0.0446		mg/kg dry	☼	74	65 - 125	7	30
1,1,2,2-Tetrachloroethane	ND		0.06007	0.0579		mg/kg dry	☼	96	74 - 134	5	30
1,1,2-Trichloroethane	ND		0.06007	0.0535		mg/kg dry	☼	89	69 - 129	4	[illegible]
1,1-Dichloroethane	ND		0.06007	0.0619		mg/kg dry	☼	103	61 - 121	8	[illegible]
1,1-Dichloroethene	ND		0.06007	0.0477		mg/kg dry	☼	79	62 - 122	10	30
1,2,4-Trimethylbenzene	ND		0.06007	0.0606		mg/kg dry	☼	101	64 - 124	5	30
1,2-Dibromoethane (EDB)	ND		0.06007	0.0506		mg/kg dry	☼	84	73 - 133	5	30
1,2-Dichlorobenzene	ND		0.06007	0.0527		mg/kg dry	☼	88	65 - 125	5	30
1,2-Dichloroethane	ND		0.06007	0.0631		mg/kg dry	☼	105	67 - 127	5	30
1,2-Dichloropropane	ND		0.06007	0.0661		mg/kg dry	☼	110	70 - 130	6	30
1,3-Dichlorobenzene	ND		0.06007	0.0529		mg/kg dry	☼	88	62 - 122	4	30
1,4-Dichlorobenzene	ND		0.06007	0.0516		mg/kg dry	☼	86	64 - 124	5	30
2-Butanone (MEK)	ND		0.06007	0.0413		mg/kg dry	☼	69	46 - 120	19	30
2-Hexanone	ND		0.06007	0.0573		mg/kg dry	☼	95	74 - 134	6	30
4-Isopropyltoluene	ND		0.06007	0.0575		mg/kg dry	☼	96	65 - 125	5	30
4-Methyl-2-pentanone (MIBK)	ND		0.06007	0.0568		mg/kg dry	☼	95	72 - 132	6	30
Acetone	ND		0.06007	0.0472	J	mg/kg dry	☼	79	40 - 120	7	30
Benzene	ND		0.06007	0.0549		mg/kg dry	☼	91	68 - 128	7	30
Bromobenzene	ND		0.06007	0.0525		mg/kg dry	☼	87	64 - 124	2	30
Bromochloromethane	ND		0.06007	0.0462		mg/kg dry	☼	77	57 - 117	6	30
Bromodichloromethane	ND		0.06007	0.0607		mg/kg dry	☼	101	77 - 137	7	30
Bromoethane	ND		0.06007	0.0415	M8	mg/kg dry	☼	69	70 - 130	11	30
Bromoform	ND		0.06007	0.0521		mg/kg dry	☼	87	80 - 181	7	30
Bromomethane	ND		0.06007	0.0459		mg/kg dry	☼	76	61 - 121	10	30
Carbon disulfide	ND		0.06007	0.0460		mg/kg dry	☼	77	59 - 119	11	30
Carbon tetrachloride	ND		0.06007	0.0481		mg/kg dry	☼	80	71 - 131	9	30
Chlorobenzene	ND		0.06007	0.0526		mg/kg dry	☼	88	65 - 125	6	30
Chlorodibromomethane	ND		0.06007	0.0565		mg/kg dry	☼	94	77 - 137	9	30
Chloroethane	ND		0.06007	0.0556		mg/kg dry	☼	93	64 - 124	9	[illegible]
Chloroform	ND		0.06007	0.0572		mg/kg dry	☼	95	62 - 122	7	[illegible]
Chloromethane	ND		0.06007	0.0580		mg/kg dry	☼	96	61 - 121	9	30

Method: 8260B - Volatile Organic Compounds by SW846 8260B (Continued)

Lab Sample ID: 12E0270-MSD1
Matrix: Solid
Analysis Batch: 12E0270

Client Sample ID: SB-2 1
Prep Type: Total
Prep Batch: 12E0270_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
cis-1,2-Dichloroethene	ND		0.06007	0.0505		mg/kg dry	☼	84	58 - 118	8	30
cis-1,3-Dichloropropene	ND		0.06007	0.0492		mg/kg dry	☼	82	72 - 132	10	30
Dibromomethane	ND		0.06007	0.0460		mg/kg dry	☼	77	69 - 129	5	30
Dichlorodifluoromethane	ND		0.06007	0.0392		mg/kg dry	☼	65	54 - 114	13	30
Ethylbenzene	ND		0.06007	0.0516		mg/kg dry	☼	86	65 - 125	7	30
Hexachlorobutadiene	ND		0.06007	0.0643		mg/kg dry	☼	107	68 - 128	6	30
Isopropylbenzene	ND		0.06007	0.0534		mg/kg dry	☼	89	63 - 123	7	30
Methyl tert-Butyl Ether	ND		0.06007	0.0485		mg/kg dry	☼	81	58 - 118	9	30
Methylene chloride	ND		0.06007	0.0535		mg/kg dry	☼	89	63 - 123	7	30
n-Butylbenzene	ND		0.06007	0.0637		mg/kg dry	☼	106	68 - 128	7	30
n-Propylbenzene	ND		0.06007	0.0550		mg/kg dry	☼	92	62 - 122	6	30
sec-Butylbenzene	ND		0.06007	0.0592		mg/kg dry	☼	98	65 - 125	6	30
Styrene	ND		0.06007	0.0540		mg/kg dry	☼	90	68 - 128	6	30
tert-Butylbenzene	ND		0.06007	0.0570		mg/kg dry	☼	95	63 - 123	5	30
Tetrachloroethene	ND		0.06007	0.0434		mg/kg dry	☼	72	69 - 129	7	30
Toluene	ND		0.06007	0.0593		mg/kg dry	☼	99	64 - 124	5	30
trans-1,2-Dichloroethene	ND		0.06007	0.0508		mg/kg dry	☼	85	61 - 121	8	30
trans-1,3-Dichloropropene	ND		0.06007	0.0453		mg/kg dry	☼	75	74 - 134	11	30
Trichloroethene	ND		0.06007	0.0519		mg/kg dry	☼	86	67 - 127	8	30
Trichlorofluoromethane	ND		0.06007	0.0489		mg/kg dry	☼	81	62 - 122	11	30
nyl chloride	ND		0.06007	0.0540		mg/kg dry	☼	90	59 - 118	10	30
Xylenes, total	ND		0.1802	0.157		mg/kg dry	☼	87	64 - 124	6	30

Surrogate	*Matrix Spike Dup %Recovery*	*Matrix Spike Dup Qualifier*	*Limits*
1,2-Dichloroethane-d4	*95*		*67 - 127*
4-Bromofluorobenzene	*94*		*59 - 119*
Dibromofluoromethane	*84*		*69 - 129*
Toluene-d8	*93*		*76 - 136*

Lab Sample ID: 12E0296-BLK1
Matrix: Solid
Analysis Batch: 12E0296

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 12E0296_P

Analyte	Blank Result	Blank Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.00500	0.00166	mg/kg wet		05/23/12 13:08	05/23/12 16:22	1.00
1,1,1-Trichloroethane	ND		0.00500	0.00129	mg/kg wet		05/23/12 13:08	05/23/12 16:22	1.00
1,1,2,2-Tetrachloroethane	ND		0.00500	0.00319	mg/kg wet		05/23/12 13:08	05/23/12 16:22	1.00
1,1,2-Trichloroethane	ND		0.00500	0.00222	mg/kg wet		05/23/12 13:08	05/23/12 16:22	1.00
1,1-Dichloroethane	ND		0.00500	0.000675	mg/kg wet		05/23/12 13:08	05/23/12 16:22	1.00
1,1-Dichloroethene	ND		0.00500	0.000862	mg/kg wet		05/23/12 13:08	05/23/12 16:22	1.00
1,2,4-Trimethylbenzene	ND		0.00500	0.00201	mg/kg wet		05/23/12 13:08	05/23/12 16:22	1.00
1,2-Dibromoethane (EDB)	ND		0.00500	0.00151	mg/kg wet		05/23/12 13:08	05/23/12 16:22	1.00
1,2-Dichlorobenzene	ND		0.00500	0.00244	mg/kg wet		05/23/12 13:08	05/23/12 16:22	1.00
1,2-Dichloroethane	ND		0.00500	0.000861	mg/kg wet		05/23/12 13:08	05/23/12 16:22	1.00
1,2-Dichloropropane	ND		0.00500	0.000681	mg/kg wet		05/23/12 13:08	05/23/12 16:22	1.00
1,3-Dichlorobenzene	ND		0.00500	0.00194	mg/kg wet		05/23/12 13:08	05/23/12 16:22	1.00
,4-Dichlorobenzene	ND		0.00500	0.00189	mg/kg wet		05/23/12 13:08	05/23/12 16:22	1.00
2-Butanone (MEK)	ND		0.0100	0.00460	mg/kg wet		05/23/12 13:08	05/23/12 16:22	1.00
2-Hexanone	ND		0.0100	0.00343	mg/kg wet		05/23/12 13:08	05/23/12 16:22	1.00

Method: 8260B - Volatile Organic Compounds by SW846 8260B (Continued)

Lab Sample ID: 12E0296-BLK1
Matrix: Solid
Analysis Batch: 12E0296

Client Sample ID: Method Bla
Prep Type: Total
Prep Batch: 12E0296_P

Analyte	Blank Result	Blank Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Isopropyltoluene	ND		0.00500	0.00169	mg/kg wet		05/23/12 13:08	05/23/12 16:22	1.00
4-Methyl-2-pentanone (MIBK)	ND		0.0100	0.00256	mg/kg wet		05/23/12 13:08	05/23/12 16:22	1.00
Acetone	ND		0.0500	0.00476	mg/kg wet		05/23/12 13:08	05/23/12 16:22	1.00
Benzene	ND		0.00500	0.000780	mg/kg wet		05/23/12 13:08	05/23/12 16:22	1.00
Bromobenzene	ND		0.00500	0.00231	mg/kg wet		05/23/12 13:08	05/23/12 16:22	1.00
Bromochloromethane	ND		0.00500	0.000797	mg/kg wet		05/23/12 13:08	05/23/12 16:22	1.00
Bromodichloromethane	ND		0.00500	0.000683	mg/kg wet		05/23/12 13:08	05/23/12 16:22	1.00
Bromoethane	ND		0.0100	0.00112	mg/kg wet		05/23/12 13:08	05/23/12 16:22	1.00
Bromoform	ND		0.00500	0.00123	mg/kg wet		05/23/12 13:08	05/23/12 16:22	1.00
Bromomethane	ND		0.0100	0.000921	mg/kg wet		05/23/12 13:08	05/23/12 16:22	1.00
Carbon disulfide	ND		0.00500	0.000996	mg/kg wet		05/23/12 13:08	05/23/12 16:22	1.00
Carbon tetrachloride	ND		0.00500	0.00114	mg/kg wet		05/23/12 13:08	05/23/12 16:22	1.00
Chlorobenzene	ND		0.00500	0.000863	mg/kg wet		05/23/12 13:08	05/23/12 16:22	1.00
Chlorodibromomethane	ND		0.00500	0.00178	mg/kg wet		05/23/12 13:08	05/23/12 16:22	1.00
Chloroethane	ND		0.0100	0.00153	mg/kg wet		05/23/12 13:08	05/23/12 16:22	1.00
Chloroform	ND		0.00500	0.000730	mg/kg wet		05/23/12 13:08	05/23/12 16:22	1.00
Chloromethane	ND		0.0100	0.00302	mg/kg wet		05/23/12 13:08	05/23/12 16:22	1.00
cis-1,2-Dichloroethene	ND		0.00500	0.000635	mg/kg wet		05/23/12 13:08	05/23/12 16:22	1.00
cis-1,3-Dichloropropene	ND		0.00500	0.00131	mg/kg wet		05/23/12 13:08	05/23/12 16:22	1.00
Dibromomethane	ND		0.00500	0.000887	mg/kg wet		05/23/12 13:08	05/23/12 16:22	1.00
Dichlorodifluoromethane	ND		0.0200	0.0100	mg/kg wet		05/23/12 13:08	05/23/12 16:22	1.0
Ethylbenzene	ND		0.00500	0.00121	mg/kg wet		05/23/12 13:08	05/23/12 16:22	1
Hexachlorobutadiene	ND		0.00500	0.00182	mg/kg wet		05/23/12 13:08	05/23/12 16:22	1.00
Isopropylbenzene	ND		0.00500	0.00181	mg/kg wet		05/23/12 13:08	05/23/12 16:22	1.00
Methyl tert-Butyl Ether	ND		0.00500	0.000864	mg/kg wet		05/23/12 13:08	05/23/12 16:22	1.00
Methylene chloride	ND		0.00500	0.00106	mg/kg wet		05/23/12 13:08	05/23/12 16:22	1.00
n-Butylbenzene	ND		0.00500	0.00166	mg/kg wet		05/23/12 13:08	05/23/12 16:22	1.00
n-Propylbenzene	ND		0.00500	0.00183	mg/kg wet		05/23/12 13:08	05/23/12 16:22	1.00
sec-Butylbenzene	ND		0.00500	0.00211	mg/kg wet		05/23/12 13:08	05/23/12 16:22	1.00
Styrene	ND		0.00500	0.00164	mg/kg wet		05/23/12 13:08	05/23/12 16:22	1.00
tert-Butylbenzene	ND		0.00500	0.00190	mg/kg wet		05/23/12 13:08	05/23/12 16:22	1.00
Tetrachloroethene	ND		0.00500	0.00158	mg/kg wet		05/23/12 13:08	05/23/12 16:22	1.00
Toluene	ND		0.00500	0.000992	mg/kg wet		05/23/12 13:08	05/23/12 16:22	1.00
trans-1,2-Dichloroethene	ND		0.00500	0.000849	mg/kg wet		05/23/12 13:08	05/23/12 16:22	1.00
trans-1,3-Dichloropropene	ND		0.00500	0.00165	mg/kg wet		05/23/12 13:08	05/23/12 16:22	1.00
Trichloroethene	ND		0.00500	0.000946	mg/kg wet		05/23/12 13:08	05/23/12 16:22	1.00
Trichlorofluoromethane	ND		0.0100	0.00104	mg/kg wet		05/23/12 13:08	05/23/12 16:22	1.00
Vinyl chloride	ND		0.00500	0.00147	mg/kg wet		05/23/12 13:08	05/23/12 16:22	1.00
Xylenes, total	ND		0.0150	0.00300	mg/kg wet		05/23/12 13:08	05/23/12 16:22	1.00

Surrogate	*Blank %Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*100*		*67 - 127*	*05/23/12 13:08*	*05/23/12 16:22*	*1.00*
4-Bromofluorobenzene	*103*		*59 - 119*	*05/23/12 13:08*	*05/23/12 16:22*	*1.00*
Dibromofluoromethane	*92*		*69 - 129*	*05/23/12 13:08*	*05/23/12 16:22*	*1.00*
Toluene-d8	*97*		*76 - 136*	*05/23/12 13:08*	*05/23/12 16:22*	*1.00*

Method: 8260B - Volatile Organic Compounds by SW846 8260B (Continued)

Lab Sample ID: 12E0296-BS1
Matrix: Solid
Analysis Batch: 12E0296

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 12E0296_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	0.05000	0.0375		mg/kg wet		75	74 - 134
1,1,1-Trichloroethane	0.05000	0.0434		mg/kg wet		87	65 - 125
1,1,2,2-Tetrachloroethane	0.05000	0.0526		mg/kg wet		105	74 - 134
1,1,2-Trichloroethane	0.05000	0.0467		mg/kg wet		93	69 - 129
1,1-Dichloroethane	0.05000	0.0656	L	mg/kg wet		131	61 - 121
1,1-Dichloroethene	0.05000	0.0478		mg/kg wet		96	62 - 122
1,2,4-Trimethylbenzene	0.05000	0.0537		mg/kg wet		107	64 - 124
1,2-Dibromoethane (EDB)	0.05000	0.0445		mg/kg wet		89	73 - 133
1,2-Dichlorobenzene	0.05000	0.0466		mg/kg wet		93	65 - 125
1,2-Dichloroethane	0.05000	0.0550		mg/kg wet		110	67 - 127
1,2-Dichloropropane	0.05000	0.0555		mg/kg wet		111	70 - 130
1,3-Dichlorobenzene	0.05000	0.0463		mg/kg wet		93	62 - 122
1,4-Dichlorobenzene	0.05000	0.0456		mg/kg wet		91	64 - 124
2-Butanone (MEK)	0.05000	0.0547		mg/kg wet		109	46 - 120
2-Hexanone	0.05000	0.0558		mg/kg wet		112	74 - 134
4-Isopropyltoluene	0.05000	0.0486		mg/kg wet		97	65 - 125
4-Methyl-2-pentanone (MIBK)	0.05000	0.0530		mg/kg wet		106	72 - 132
Acetone	0.05000	0.0379	J	mg/kg wet		76	40 - 120
Benzene	0.05000	0.0514		mg/kg wet		103	68 - 128
Bromobenzene	0.05000	0.0456		mg/kg wet		91	64 - 124
Bromochloromethane	0.05000	0.0380		mg/kg wet		76	57 - 117
Bromodichloromethane	0.05000	0.0525		mg/kg wet		105	77 - 137
Bromoethane	0.05000	0.0389		mg/kg wet		78	70 - 130
Bromoform	0.05000	0.0420		mg/kg wet		84	80 - 181
Bromomethane	0.05000	0.0428		mg/kg wet		86	61 - 121
Carbon disulfide	0.05000	0.0464		mg/kg wet		93	59 - 119
Carbon tetrachloride	0.05000	0.0436		mg/kg wet		87	71 - 131
Chlorobenzene	0.05000	0.0484		mg/kg wet		97	65 - 125
Chlorodibromomethane	0.05000	0.0470		mg/kg wet		94	77 - 137
Chloroethane	0.05000	0.0520		mg/kg wet		104	64 - 124
Chloroform	0.05000	0.0511		mg/kg wet		102	62 - 122
Chloromethane	0.05000	0.0540		mg/kg wet		108	61 - 121
cis-1,2-Dichloroethene	0.05000	0.0448		mg/kg wet		90	58 - 118
cis-1,3-Dichloropropene	0.05000	0.0426		mg/kg wet		85	72 - 132
Dibromomethane	0.05000	0.0348		mg/kg wet		70	69 - 129
Dichlorodifluoromethane	0.05000	0.0422		mg/kg wet		84	54 - 114
Ethylbenzene	0.05000	0.0496		mg/kg wet		99	65 - 125
Hexachlorobutadiene	0.05000	0.0425		mg/kg wet		85	68 - 128
Isopropylbenzene	0.05000	0.0508		mg/kg wet		102	63 - 123
Methyl tert-Butyl Ether	0.05000	0.0413		mg/kg wet		83	58 - 118
Methylene chloride	0.05000	0.0460		mg/kg wet		92	63 - 123
n-Butylbenzene	0.05000	0.0512		mg/kg wet		102	68 - 128
n-Propylbenzene	0.05000	0.0505		mg/kg wet		101	62 - 122
sec-Butylbenzene	0.05000	0.0509		mg/kg wet		102	65 - 125
Styrene	0.05000	0.0492		mg/kg wet		98	68 - 128
tert-Butylbenzene	0.05000	0.0504		mg/kg wet		101	63 - 123
Tetrachloroethene	0.05000	0.0431		mg/kg wet		86	69 - 129
Toluene	0.05000	0.0555		mg/kg wet		111	64 - 124
trans-1,2-Dichloroethene	0.05000	0.0479		mg/kg wet		96	61 - 121

Method: 8260B - Volatile Organic Compounds by SW846 8260B (Continued)

Lab Sample ID: 12E0296-BS1 — **Client Sample ID: Lab Control Samp**
Matrix: Solid — **Prep Type: Total**
Analysis Batch: 12E0296 — **Prep Batch: 12E0296_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
trans-1,3-Dichloropropene	0.05000	0.0384		mg/kg wet		77	74 - 134
Trichloroethene	0.05000	0.0439		mg/kg wet		88	67 - 127
Trichlorofluoromethane	0.05000	0.0515		mg/kg wet		103	62 - 122
Vinyl chloride	0.05000	0.0546		mg/kg wet		109	59 - 119
Xylenes, total	0.1500	0.147		mg/kg wet		98	64 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4	*97*		*67 - 127*
4-Bromofluorobenzene	*96*		*59 - 119*
Dibromofluoromethane	*83*		*69 - 129*
Toluene-d8	*93*		*76 - 136*

Lab Sample ID: 12E0296-BSD1 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total**
Analysis Batch: 12E0296 — **Prep Batch: 12E0296_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	0.05000	0.0402		mg/kg wet		80	74 - 134	7	30
1,1,1-Trichloroethane	0.05000	0.0433		mg/kg wet		87	65 - 125	0.08	30
1,1,2,2-Tetrachloroethane	0.05000	0.0506		mg/kg wet		101	74 - 134	4	30
1,1,2-Trichloroethane	0.05000	0.0464		mg/kg wet		93	69 - 129	0.5	
1,1-Dichloroethane	0.05000	0.0633	L	mg/kg wet		127	61 - 121	4	30
1,1-Dichloroethene	0.05000	0.0470		mg/kg wet		94	62 - 122	2	30
1,2,4-Trimethylbenzene	0.05000	0.0451		mg/kg wet		90	64 - 124	17	30
1,2-Dibromoethane (EDB)	0.05000	0.0439		mg/kg wet		88	73 - 133	1	30
1,2-Dichlorobenzene	0.05000	0.0418		mg/kg wet		84	65 - 125	11	30
1,2-Dichloroethane	0.05000	0.0550		mg/kg wet		110	67 - 127	0.03	30
1,2-Dichloropropane	0.05000	0.0544		mg/kg wet		109	70 - 130	2	30
1,3-Dichlorobenzene	0.05000	0.0411		mg/kg wet		82	62 - 122	12	30
1,4-Dichlorobenzene	0.05000	0.0404		mg/kg wet		81	64 - 124	12	30
2-Butanone (MEK)	0.05000	0.0525		mg/kg wet		105	46 - 120	4	30
2-Hexanone	0.05000	0.0525		mg/kg wet		105	74 - 134	6	30
4-Isopropyltoluene	0.05000	0.0386		mg/kg wet		77	65 - 125	23	30
4-Methyl-2-pentanone (MIBK)	0.05000	0.0528		mg/kg wet		106	72 - 132	0.4	30
Acetone	0.05000	0.0432	J	mg/kg wet		86	40 - 120	13	30
Benzene	0.05000	0.0503		mg/kg wet		101	68 - 128	2	30
Bromobenzene	0.05000	0.0433		mg/kg wet		87	64 - 124	5	30
Bromochloromethane	0.05000	0.0375		mg/kg wet		75	57 - 117	1	30
Bromodichloromethane	0.05000	0.0526		mg/kg wet		105	77 - 137	0.07	30
Bromoethane	0.05000	0.0388		mg/kg wet		78	70 - 130	0.2	30
Bromoform	0.05000	0.0426		mg/kg wet		85	80 - 181	1	30
Bromomethane	0.05000	0.0427		mg/kg wet		85	61 - 121	0.2	30
Carbon disulfide	0.05000	0.0453		mg/kg wet		91	59 - 119	2	30
Carbon tetrachloride	0.05000	0.0455		mg/kg wet		91	71 - 131	4	30
Chlorobenzene	0.05000	0.0467		mg/kg wet		93	65 - 125	3	30
Chlorodibromomethane	0.05000	0.0477		mg/kg wet		95	77 - 137	1	30
Chloroethane	0.05000	0.0517		mg/kg wet		103	64 - 124	0.6	
Chloroform	0.05000	0.0506		mg/kg wet		101	62 - 122	1	30
Chloromethane	0.05000	0.0528		mg/kg wet		106	61 - 121	2	30

Method: 8260B - Volatile Organic Compounds by SW846 8260B (Continued)

Lab Sample ID: 12E0296-BSD1 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total**
Analysis Batch: 12E0296 — **Prep Batch: 12E0296_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
cis-1,2-Dichloroethene	0.05000	0.0444		mg/kg wet		89	58 - 118	1	30
cis-1,3-Dichloropropene	0.05000	0.0428		mg/kg wet		86	72 - 132	0.4	30
Dibromomethane	0.05000	0.0354		mg/kg wet		71	69 - 129	2	30
Dichlorodifluoromethane	0.05000	0.0392		mg/kg wet		78	54 - 114	7	30
Ethylbenzene	0.05000	0.0456		mg/kg wet		91	65 - 125	8	30
Hexachlorobutadiene	0.05000	0.0557		mg/kg wet		111	68 - 128	27	30
Isopropylbenzene	0.05000	0.0425		mg/kg wet		85	63 - 123	18	30
Methyl tert-Butyl Ether	0.05000	0.0398		mg/kg wet		80	58 - 118	4	30
Methylene chloride	0.05000	0.0458		mg/kg wet		92	63 - 123	0.3	30
n-Butylbenzene	0.05000	0.0412		mg/kg wet		82	68 - 128	22	30
n-Propylbenzene	0.05000	0.0414		mg/kg wet		83	62 - 122	20	30
sec-Butylbenzene	0.05000	0.0406		mg/kg wet		81	65 - 125	22	30
Styrene	0.05000	0.0464		mg/kg wet		93	68 - 128	6	30
tert-Butylbenzene	0.05000	0.0410		mg/kg wet		82	63 - 123	21	30
Tetrachloroethene	0.05000	0.0434		mg/kg wet		87	69 - 129	0.7	30
Toluene	0.05000	0.0531		mg/kg wet		106	64 - 124	4	30
trans-1,2-Dichloroethene	0.05000	0.0469		mg/kg wet		94	61 - 121	2	30
trans-1,3-Dichloropropene	0.05000	0.0389		mg/kg wet		78	74 - 134	1	30
Trichloroethene	0.05000	0.0447		mg/kg wet		89	67 - 127	2	30
Trichlorofluoromethane	0.05000	0.0495		mg/kg wet		99	62 - 122	4	30
Vinyl chloride	0.05000	0.0528		mg/kg wet		106	59 - 119	3	30
Xylenes, total	0.1500	0.135		mg/kg wet		90	64 - 124	8	30

Surrogate	*LCS Dup %Recovery*	*LCS Dup Qualifier*	*Limits*
1,2-Dichloroethane-d4	*97*		*67 - 127*
4-Bromofluorobenzene	*95*		*59 - 119*
Dibromofluoromethane	*83*		*69 - 129*
Toluene-d8	*94*		*76 - 136*

Lab Sample ID: 12E0296-MS1 — **Client Sample ID: SB-5 9**
Matrix: Solid — **Prep Type: Total**
Analysis Batch: 12E0296 — **Prep Batch: 12E0296_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	ND		0.06096	0.0496		mg/kg dry	☼	81	74 - 134
1,1,1-Trichloroethane	ND		0.06096	0.0535		mg/kg dry	☼	88	65 - 125
1,1,2,2-Tetrachloroethane	ND		0.06096	0.0589		mg/kg dry	☼	97	74 - 134
1,1,2-Trichloroethane	ND		0.06096	0.0544		mg/kg dry	☼	89	69 - 129
1,1-Dichloroethane	ND		0.06096	0.0691		mg/kg dry	☼	113	61 - 121
1,1-Dichloroethene	ND		0.06096	0.0562		mg/kg dry	☼	92	62 - 122
1,2,4-Trimethylbenzene	ND		0.06096	0.0672		mg/kg dry	☼	110	64 - 124
1,2-Dibromoethane (EDB)	ND		0.06096	0.0516		mg/kg dry	☼	85	73 - 133
1,2-Dichlorobenzene	ND		0.06096	0.0550		mg/kg dry	☼	90	65 - 125
1,2-Dichloroethane	ND		0.06096	0.0647		mg/kg dry	☼	106	67 - 127
1,2-Dichloropropane	ND		0.06096	0.0653		mg/kg dry	☼	107	70 - 130
1,3-Dichlorobenzene	ND		0.06096	0.0559		mg/kg dry	☼	92	62 - 122
1,4-Dichlorobenzene	ND		0.06096	0.0539		mg/kg dry	☼	88	64 - 124
2-Butanone (MEK)	ND		0.06096	0.0528		mg/kg dry	☼	87	46 - 120
2-Hexanone	ND		0.06096	0.0599		mg/kg dry	☼	98	74 - 134

Method: 8260B - Volatile Organic Compounds by SW846 8260B (Continued)

Lab Sample ID: 12E0296-MS1
Matrix: Solid
Analysis Batch: 12E0296

Client Sample ID: SB-5
Prep Type: Total
Prep Batch: 12E0296_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
4-Isopropyltoluene	ND		0.06096	0.0653		mg/kg dry	☼	107	65 - 125
4-Methyl-2-pentanone (MIBK)	ND		0.06096	0.0588		mg/kg dry	☼	96	72 - 132
Acetone	0.00952	J	0.06096	0.0532	J	mg/kg dry	☼	72	40 - 120
Benzene	ND		0.06096	0.0599		mg/kg dry	☼	98	68 - 128
Bromobenzene	ND		0.06096	0.0549		mg/kg dry	☼	90	64 - 124
Bromochloromethane	ND		0.06096	0.0456		mg/kg dry	☼	75	57 - 117
Bromodichloromethane	ND		0.06096	0.0625		mg/kg dry	☼	103	77 - 137
Bromoethane	ND		0.06096	0.0469		mg/kg dry	☼	77	70 - 130
Bromoform	ND		0.06096	0.0507		mg/kg dry	☼	83	80 - 181
Bromomethane	ND		0.06096	0.0508		mg/kg dry	☼	83	61 - 121
Carbon disulfide	ND		0.06096	0.0543		mg/kg dry	☼	89	59 - 119
Carbon tetrachloride	ND		0.06096	0.0545		mg/kg dry	☼	89	71 - 131
Chlorobenzene	ND		0.06096	0.0565		mg/kg dry	☼	93	65 - 125
Chlorodibromomethane	ND		0.06096	0.0573		mg/kg dry	☼	94	77 - 137
Chloroethane	ND		0.06096	0.0629		mg/kg dry	☼	103	64 - 124
Chloroform	ND		0.06096	0.0609		mg/kg dry	☼	100	62 - 122
Chloromethane	ND		0.06096	0.0640		mg/kg dry	☼	105	61 - 121
cis-1,2-Dichloroethene	ND		0.06096	0.0540		mg/kg dry	☼	89	58 - 118
cis-1,3-Dichloropropene	ND		0.06096	0.0517		mg/kg dry	☼	85	72 - 132
Dibromomethane	ND		0.06096	0.0412	M8	mg/kg dry	☼	68	69 - 129
Dichlorodifluoromethane	ND		0.06096	0.0488		mg/kg dry	☼	80	54 - 114
Ethylbenzene	ND		0.06096	0.0586		mg/kg dry	☼	96	65 - 125
Hexachlorobutadiene	ND		0.06096	0.0469		mg/kg dry	☼	77	68 - 128
Isopropylbenzene	ND		0.06096	0.0611		mg/kg dry	☼	100	63 - 123
Methyl tert-Butyl Ether	ND		0.06096	0.0472		mg/kg dry	☼	78	58 - 118
Methylene chloride	ND		0.06096	0.0547		mg/kg dry	☼	90	63 - 123
n-Butylbenzene	ND		0.06096	0.0721		mg/kg dry	☼	118	68 - 128
n-Propylbenzene	ND		0.06096	0.0644		mg/kg dry	☼	106	62 - 122
sec-Butylbenzene	ND		0.06096	0.0693		mg/kg dry	☼	114	65 - 125
Styrene	ND		0.06096	0.0567		mg/kg dry	☼	93	68 - 128
tert-Butylbenzene	ND		0.06096	0.0660		mg/kg dry	☼	108	63 - 123
Tetrachloroethene	ND		0.06096	0.0505		mg/kg dry	☼	83	69 - 129
Toluene	ND		0.06096	0.0658		mg/kg dry	☼	108	64 - 124
trans-1,2-Dichloroethene	ND		0.06096	0.0568		mg/kg dry	☼	93	61 - 121
trans-1,3-Dichloropropene	ND		0.06096	0.0473		mg/kg dry	☼	78	74 - 134
Trichloroethene	ND		0.06096	0.0531		mg/kg dry	☼	87	67 - 127
Trichlorofluoromethane	ND		0.06096	0.0607		mg/kg dry	☼	100	62 - 122
Vinyl chloride	ND		0.06096	0.0638		mg/kg dry	☼	105	59 - 118
Xylenes, total	ND		0.1829	0.172		mg/kg dry	☼	94	64 - 124

Surrogate	*Matrix Spike %Recovery*	*Matrix Spike Qualifier*	*Limits*
1,2-Dichloroethane-d4	*94*		*67 - 127*
4-Bromofluorobenzene	*94*		*59 - 119*
Dibromofluoromethane	*85*		*69 - 129*
Toluene-d8	*94*		*76 - 136*

Method: 8260B - Volatile Organic Compounds by SW846 8260B (Continued)

Lab Sample ID: 12E0296-MSD1
Matrix: Solid
Analysis Batch: 12E0296

Client Sample ID: SB-5 9
Prep Type: Total
Prep Batch: 12E0296_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND		0.06133	0.0506		mg/kg dry	☼	82	74 - 134	2	30
1,1,1-Trichloroethane	ND		0.06133	0.0503		mg/kg dry	☼	82	65 - 125	6	30
1,1,2,2-Tetrachloroethane	ND		0.06133	0.0604		mg/kg dry	☼	99	74 - 134	3	30
1,1,2-Trichloroethane	ND		0.06133	0.0570		mg/kg dry	☼	93	69 - 129	5	30
1,1-Dichloroethane	ND		0.06133	0.0684		mg/kg dry	☼	111	61 - 121	1	30
1,1-Dichloroethene	ND		0.06133	0.0531		mg/kg dry	☼	87	62 - 122	6	30
1,2,4-Trimethylbenzene	ND		0.06133	0.0657		mg/kg dry	☼	107	64 - 124	2	30
1,2-Dibromoethane (EDB)	ND		0.06133	0.0534		mg/kg dry	☼	87	73 - 133	3	30
1,2-Dichlorobenzene	ND		0.06133	0.0552		mg/kg dry	☼	90	65 - 125	0.3	30
1,2-Dichloroethane	ND		0.06133	0.0678		mg/kg dry	☼	111	67 - 127	5	30
1,2-Dichloropropane	ND		0.06133	0.0679		mg/kg dry	☼	111	70 - 130	4	30
1,3-Dichlorobenzene	ND		0.06133	0.0553		mg/kg dry	☼	90	62 - 122	1	30
1,4-Dichlorobenzene	ND		0.06133	0.0542		mg/kg dry	☼	88	64 - 124	0.5	30
2-Butanone (MEK)	ND		0.06133	0.0538		mg/kg dry	☼	88	46 - 120	2	30
2-Hexanone	ND		0.06133	0.0594		mg/kg dry	☼	97	74 - 134	0.8	30
4-Isopropyltoluene	ND		0.06133	0.0632		mg/kg dry	☼	103	65 - 125	3	30
4-Methyl-2-pentanone (MIBK)	ND		0.06133	0.0593		mg/kg dry	☼	97	72 - 132	0.8	30
Acetone	0.00952	J	0.06133	0.0688		mg/kg dry	☼	97	40 - 120	26	30
Benzene	ND		0.06133	0.0609		mg/kg dry	☼	99	68 - 128	2	30
Bromobenzene	ND		0.06133	0.0551		mg/kg dry	☼	90	64 - 124	0.4	30
Bromochloromethane	ND		0.06133	0.0483		mg/kg dry	☼	79	57 - 117	6	30
Bromodichloromethane	ND		0.06133	0.0651		mg/kg dry	☼	106	77 - 137	4	30
Bromoethane	ND		0.06133	0.0460		mg/kg dry	☼	75	70 - 130	2	30
Bromoform	ND		0.06133	0.0515		mg/kg dry	☼	84	80 - 181	2	30
Bromomethane	ND		0.06133	0.0501		mg/kg dry	☼	82	61 - 121	1	30
Carbon disulfide	ND		0.06133	0.0520		mg/kg dry	☼	85	59 - 119	4	30
Carbon tetrachloride	ND		0.06133	0.0505		mg/kg dry	☼	82	71 - 131	8	30
Chlorobenzene	ND		0.06133	0.0572		mg/kg dry	☼	93	65 - 125	1	30
Chlorodibromomethane	ND		0.06133	0.0591		mg/kg dry	☼	96	77 - 137	3	30
Chloroethane	ND		0.06133	0.0614		mg/kg dry	☼	100	64 - 124	2	30
Chloroform	ND		0.06133	0.0629		mg/kg dry	☼	103	62 - 122	3	30
Chloromethane	ND		0.06133	0.0626		mg/kg dry	☼	102	61 - 121	2	30
cis-1,2-Dichloroethene	ND		0.06133	0.0546		mg/kg dry	☼	89	58 - 118	1	30
cis-1,3-Dichloropropene	ND		0.06133	0.0532		mg/kg dry	☼	87	72 - 132	3	30
Dibromomethane	ND		0.06133	0.0437		mg/kg dry	☼	71	69 - 129	6	30
Dichlorodifluoromethane	ND		0.06133	0.0442		mg/kg dry	☼	72	54 - 114	10	30
Ethylbenzene	ND		0.06133	0.0567		mg/kg dry	☼	93	65 - 125	3	30
Hexachlorobutadiene	ND		0.06133	0.0461		mg/kg dry	☼	75	68 - 128	2	30
Isopropylbenzene	ND		0.06133	0.0595		mg/kg dry	☼	97	63 - 123	3	30
Methyl tert-Butyl Ether	ND		0.06133	0.0518		mg/kg dry	☼	84	58 - 118	9	30
Methylene chloride	ND		0.06133	0.0566		mg/kg dry	☼	92	63 - 123	3	30
n-Butylbenzene	ND		0.06133	0.0698		mg/kg dry	☼	114	68 - 128	3	30
n-Propylbenzene	ND		0.06133	0.0613		mg/kg dry	☼	100	62 - 122	5	30
sec-Butylbenzene	ND		0.06133	0.0665		mg/kg dry	☼	108	65 - 125	4	30
Styrene	ND		0.06133	0.0582		mg/kg dry	☼	95	68 - 128	3	30
tert-Butylbenzene	ND		0.06133	0.0637		mg/kg dry	☼	104	63 - 123	4	30
Tetrachloroethene	ND		0.06133	0.0486		mg/kg dry	☼	79	69 - 129	4	30
Toluene	ND		0.06133	0.0654		mg/kg dry	☼	107	64 - 124	0.7	30
trans-1,2-Dichloroethene	ND		0.06133	0.0558		mg/kg dry	☼	91	61 - 121	2	30

Method: 8260B - Volatile Organic Compounds by SW846 8260B (Continued)

Lab Sample ID: 12E0296-MSD1 — **Client Sample ID: SB-5**
Matrix: Solid — **Prep Type: Total**
Analysis Batch: 12E0296 — **Prep Batch: 12E0296_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
trans-1,3-Dichloropropene	ND		0.06133	0.0481		mg/kg dry	☼	78	74 - 134	2	30
Trichloroethene	ND		0.06133	0.0523		mg/kg dry	☼	85	67 - 127	1	30
Trichlorofluoromethane	ND		0.06133	0.0562		mg/kg dry	☼	92	62 - 122	8	30
Vinyl chloride	ND		0.06133	0.0601		mg/kg dry	☼	98	59 - 118	6	30
Xylenes, total	ND		0.1840	0.171		mg/kg dry	☼	93	64 - 124	0.8	30

Surrogate	*Matrix Spike Dup %Recovery*	*Matrix Spike Dup Qualifier*	*Limits*
1,2-Dichloroethane-d4	*96*		*67 - 127*
4-Bromofluorobenzene	*96*		*59 - 119*
Dibromofluoromethane	*86*		*69 - 129*
Toluene-d8	*93*		*76 - 136*

Method: 8270C - Acid and Base/Neutral Extractables by SW846 TRRP

Lab Sample ID: 12E0350-BLK1 — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total**
Analysis Batch: 12E0350 — **Prep Batch: 12E0350_P**

Analyte	Blank Result	Blank Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.330	0.0449	mg/kg wet		05/29/12 17:00	05/31/12 16:37	1.00
1,2-Diphenylhydrazine	ND		0.330	0.0421	mg/kg wet		05/29/12 17:00	05/31/12 16:37	1.
2,4,5-Trichlorophenol	ND		0.330	0.0343	mg/kg wet		05/29/12 17:00	05/31/12 16:37	1.00
2,4,6-Trichlorophenol	ND		0.330	0.0439	mg/kg wet		05/29/12 17:00	05/31/12 16:37	1.00
2,4-Dichlorophenol	ND		0.330	0.0434	mg/kg wet		05/29/12 17:00	05/31/12 16:37	1.00
2,4-Dimethylphenol	ND		0.330	0.0786	mg/kg wet		05/29/12 17:00	05/31/12 16:37	1.00
2,4-Dinitrophenol	ND		1.67	0.667	mg/kg wet		05/29/12 17:00	05/31/12 16:37	1.00
2,4-Dinitrotoluene	ND		0.330	0.157	mg/kg wet		05/29/12 17:00	05/31/12 16:37	1.00
2,6-Dinitrotoluene	ND		0.330	0.0410	mg/kg wet		05/29/12 17:00	05/31/12 16:37	1.00
2-Chloronaphthalene	ND		0.330	0.0313	mg/kg wet		05/29/12 17:00	05/31/12 16:37	1.00
2-Chlorophenol	ND		0.330	0.0291	mg/kg wet		05/29/12 17:00	05/31/12 16:37	1.00
2-Methylnaphthalene	ND		0.330	0.0321	mg/kg wet		05/29/12 17:00	05/31/12 16:37	1.00
2-Methylphenol	ND		0.330	0.0398	mg/kg wet		05/29/12 17:00	05/31/12 16:37	1.00
2-Nitroaniline	ND		0.330	0.0425	mg/kg wet		05/29/12 17:00	05/31/12 16:37	1.00
2-Nitrophenol	ND		0.330	0.0630	mg/kg wet		05/29/12 17:00	05/31/12 16:37	1.00
3 & 4 Methylphenol	ND		0.330	0.0648	mg/kg wet		05/29/12 17:00	05/31/12 16:37	1.00
3,3'-Dichlorobenzidine	ND		1.67	0.0535	mg/kg wet		05/29/12 17:00	05/31/12 16:37	1.00
3-Nitroaniline	ND		0.330	0.0319	mg/kg wet		05/29/12 17:00	05/31/12 16:37	1.00
4,6-Dinitro-2-methylphenol	ND		1.67	0.200	mg/kg wet		05/29/12 17:00	05/31/12 16:37	1.00
4-Bromophenyl phenyl ether	ND		0.330	0.0302	mg/kg wet		05/29/12 17:00	05/31/12 16:37	1.00
4-Chloro-3-methylphenol	ND		0.330	0.0527	mg/kg wet		05/29/12 17:00	05/31/12 16:37	1.00
4-Chloroaniline	ND		0.330	0.0375	mg/kg wet		05/29/12 17:00	05/31/12 16:37	1.00
4-Chlorophenyl phenyl ether	ND		0.330	0.0256	mg/kg wet		05/29/12 17:00	05/31/12 16:37	1.00
4-Nitroaniline	ND		0.330	0.100	mg/kg wet		05/29/12 17:00	05/31/12 16:37	1.00
4-Nitrophenol	ND		1.67	0.151	mg/kg wet		05/29/12 17:00	05/31/12 16:37	1.00
Acenaphthene	ND		0.330	0.0347	mg/kg wet		05/29/12 17:00	05/31/12 16:37	1.00
Acenaphthylene	ND		0.330	0.0328	mg/kg wet		05/29/12 17:00	05/31/12 16:37	1.00
Anthracene	ND		0.330	0.0246	mg/kg wet		05/29/12 17:00	05/31/12 16:37	1.
Benzo[a]anthracene	ND		0.330	0.0199	mg/kg wet		05/29/12 17:00	05/31/12 16:37	1.00
Benzo[a]pyrene	ND		0.330	0.0228	mg/kg wet		05/29/12 17:00	05/31/12 16:37	1.00

Method: 8270C - Acid and Base/Neutral Extractables by SW846 TRRP (Continued)

Lab Sample ID: 12E0350-BLK1
Matrix: Solid
Analysis Batch: 12E0350

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 12E0350_P

Analyte	Blank Result	Blank Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	ND		0.330	0.0522	mg/kg wet		05/29/12 17:00	05/31/12 16:37	1.00
Benzo[g,h,i]perylene	ND		0.330	0.0268	mg/kg wet		05/29/12 17:00	05/31/12 16:37	1.00
Benzo[k]fluoranthene	ND		0.330	0.0397	mg/kg wet		05/29/12 17:00	05/31/12 16:37	1.00
Bis(2-chloroethoxy)methane	ND		0.330	0.0325	mg/kg wet		05/29/12 17:00	05/31/12 16:37	1.00
Bis(2-chloroethyl)ether	ND		0.330	0.0343	mg/kg wet		05/29/12 17:00	05/31/12 16:37	1.00
Bis(2-chloroisopropyl) ether	ND		0.330	0.0272	mg/kg wet		05/29/12 17:00	05/31/12 16:37	1.00
Bis(2-ethylhexyl) phthalate	ND		0.330	0.0419	mg/kg wet		05/29/12 17:00	05/31/12 16:37	1.00
Butyl benzyl phthalate	ND		0.330	0.0261	mg/kg wet		05/29/12 17:00	05/31/12 16:37	1.00
Chrysene	ND		0.330	0.0226	mg/kg wet		05/29/12 17:00	05/31/12 16:37	1.00
Dibenz[a,h]anthracene	ND		0.330	0.0840	mg/kg wet		05/29/12 17:00	05/31/12 16:37	1.00
Dibenzofuran	ND		0.330	0.0358	mg/kg wet		05/29/12 17:00	05/31/12 16:37	1.00
Diethyl phthalate	ND		0.330	0.0215	mg/kg wet		05/29/12 17:00	05/31/12 16:37	1.00
Dimethyl phthalate	ND		0.330	0.0238	mg/kg wet		05/29/12 17:00	05/31/12 16:37	1.00
Di-n-butyl phthalate	ND		0.330	0.0246	mg/kg wet		05/29/12 17:00	05/31/12 16:37	1.00
Di-n-octyl phthalate	ND		0.330	0.121	mg/kg wet		05/29/12 17:00	05/31/12 16:37	1.00
Diphenylamine	ND		0.330	0.0227	mg/kg wet		05/29/12 17:00	05/31/12 16:37	1.00
Fluoranthene	ND		0.330	0.0244	mg/kg wet		05/29/12 17:00	05/31/12 16:37	1.00
Fluorene	ND		0.330	0.0231	mg/kg wet		05/29/12 17:00	05/31/12 16:37	1.00
Hexachlorobenzene	ND		0.330	0.0280	mg/kg wet		05/29/12 17:00	05/31/12 16:37	1.00
Hexachlorobutadiene	ND		0.330	0.0406	mg/kg wet		05/29/12 17:00	05/31/12 16:37	1.00
exachlorocyclopentadiene	ND		1.67	0.169	mg/kg wet		05/29/12 17:00	05/31/12 16:37	1.00
Hexachloroethane	ND		0.330	0.0430	mg/kg wet		05/29/12 17:00	05/31/12 16:37	1.00
Isophorone	ND		0.330	0.0427	mg/kg wet		05/29/12 17:00	05/31/12 16:37	1.00
Naphthalene	ND		0.330	0.0318	mg/kg wet		05/29/12 17:00	05/31/12 16:37	1.00
Nitrobenzene	ND		0.330	0.0491	mg/kg wet		05/29/12 17:00	05/31/12 16:37	1.00
N-Nitrosodi-n-propylamine	ND		0.330	0.0243	mg/kg wet		05/29/12 17:00	05/31/12 16:37	1.00
N-Nitrosodiphenylamine	ND		0.330	0.0227	mg/kg wet		05/29/12 17:00	05/31/12 16:37	1.00
Pentachloroethane	ND		0.330	0.0304	mg/kg wet		05/29/12 17:00	05/31/12 16:37	1.00
Pentachlorophenol	ND		1.67	0.0504	mg/kg wet		05/29/12 17:00	05/31/12 16:37	1.00
Phenanthrene	ND		0.330	0.0221	mg/kg wet		05/29/12 17:00	05/31/12 16:37	1.00
Phenol	ND		0.330	0.0328	mg/kg wet		05/29/12 17:00	05/31/12 16:37	1.00
Pyrene	ND		0.330	0.0233	mg/kg wet		05/29/12 17:00	05/31/12 16:37	1.00
Pyridine	ND		0.330	0.0386	mg/kg wet		05/29/12 17:00	05/31/12 16:37	1.00

Surrogate	*Blank %Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*78*		*42 - 136*	*05/29/12 17:00*	*05/31/12 16:37*	*1.00*
2-Fluorobiphenyl	*84*		*42 - 129*	*05/29/12 17:00*	*05/31/12 16:37*	*1.00*
2-Fluorophenol	*83*		*36 - 114*	*05/29/12 17:00*	*05/31/12 16:37*	*1.00*
Nitrobenzene-d5	*76*		*40 - 122*	*05/29/12 17:00*	*05/31/12 16:37*	*1.00*
Phenol-d5	*81*		*38 - 125*	*05/29/12 17:00*	*05/31/12 16:37*	*1.00*
Terphenyl-d14	*81*		*44 - 127*	*05/29/12 17:00*	*05/31/12 16:37*	*1.00*

Lab Sample ID: 12E0350-BS1
Matrix: Solid
Analysis Batch: 12E0350

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 12E0350_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	1.667	1.24		mg/kg wet		74	49 - 98
1,2-Diphenylhydrazine	1.667	1.20		mg/kg wet		72	53 - 128

Method: 8270C - Acid and Base/Neutral Extractables by SW846 TRRP (Continued)

Lab Sample ID: 12E0350-BS1
Matrix: Solid
Analysis Batch: 12E0350

Client Sample ID: Lab Control Samp.
Prep Type: Total
Prep Batch: 12E0350_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4,5-Trichlorophenol	1.667	1.21		mg/kg wet		73	54 - 104
2,4,6-Trichlorophenol	1.667	1.19		mg/kg wet		71	53 - 103
2,4-Dichlorophenol	1.667	1.28		mg/kg wet		77	50 - 107
2,4-Dimethylphenol	1.667	1.31		mg/kg wet		78	43 - 102
2,4-Dinitrophenol	1.667	2.06	L	mg/kg wet		123	10 - 113
2,4-Dinitrotoluene	1.667	1.30		mg/kg wet		78	55 - 110
2,6-Dinitrotoluene	1.667	1.20		mg/kg wet		72	58 - 104
2-Chloronaphthalene	1.667	1.30		mg/kg wet		78	50 - 112
2-Chlorophenol	1.667	1.31		mg/kg wet		79	43 - 107
2-Methylnaphthalene	1.667	1.36		mg/kg wet		81	52 - 102
2-Methylphenol	1.667	1.25		mg/kg wet		75	46 - 109
2-Nitroaniline	1.667	1.23		mg/kg wet		74	52 - 117
2-Nitrophenol	1.667	1.30		mg/kg wet		78	47 - 106
3 & 4 Methylphenol	1.667	1.39		mg/kg wet		83	38 - 128
3,3'-Dichlorobenzidine	1.667	1.33	J	mg/kg wet		80	41 - 105
3-Nitroaniline	1.667	1.17		mg/kg wet		70	35 - 119
4,6-Dinitro-2-methylphenol	1.667	1.66	J	mg/kg wet		100	42 - 121
4-Bromophenyl phenyl ether	1.667	1.38		mg/kg wet		83	59 - 115
4-Chloro-3-methylphenol	1.667	1.23		mg/kg wet		74	56 - 112
4-Chloroaniline	1.667	1.01		mg/kg wet		60	22 - 110
4-Chlorophenyl phenyl ether	1.667	1.38		mg/kg wet		83	59 - 104
4-Nitroaniline	1.667	1.31		mg/kg wet		79	50 - 135
4-Nitrophenol	1.667	1.12	J	mg/kg wet		67	41 - 125
Acenaphthene	1.667	1.34		mg/kg wet		80	58 - 104
Acenaphthylene	1.667	1.36		mg/kg wet		82	59 - 104
Anthracene	1.667	1.37		mg/kg wet		82	62 - 109
Benzo[a]anthracene	1.667	1.36		mg/kg wet		82	59 - 109
Benzo[a]pyrene	1.667	1.25		mg/kg wet		75	60 - 109
Benzo[b]fluoranthene	1.667	1.29		mg/kg wet		78	54 - 106
Benzo[g,h,i]perylene	1.667	1.44		mg/kg wet		86	56 - 128
Benzo[k]fluoranthene	1.667	1.43		mg/kg wet		86	56 - 124
Bis(2-chloroethoxy)methane	1.667	1.32		mg/kg wet		79	48 - 106
Bis(2-chloroethyl)ether	1.667	1.20		mg/kg wet		72	39 - 105
Bis(2-chloroisopropyl) ether	1.667	1.34		mg/kg wet		80	43 - 103
Bis(2-ethylhexyl) phthalate	1.667	1.22		mg/kg wet		73	60 - 106
Butyl benzyl phthalate	1.667	1.20		mg/kg wet		72	59 - 105
Chrysene	1.667	1.37		mg/kg wet		82	61 - 110
Dibenz[a,h]anthracene	1.667	1.29		mg/kg wet		77	62 - 119
Dibenzofuran	1.667	1.37		mg/kg wet		82	58 - 103
Diethyl phthalate	1.667	1.33		mg/kg wet		80	59 - 107
Dimethyl phthalate	1.667	1.32		mg/kg wet		79	58 - 106
Di-n-butyl phthalate	1.667	1.34		mg/kg wet		81	60 - 110
Di-n-octyl phthalate	1.667	1.19		mg/kg wet		71	58 - 109
Diphenylamine	1.667	1.20		mg/kg wet		72	51 - 94
Fluoranthene	1.667	1.40		mg/kg wet		84	62 - 113
Fluorene	1.667	1.37		mg/kg wet		82	60 - 107
Hexachlorobenzene	1.667	1.35		mg/kg wet		81	62 - 107
Hexachlorobutadiene	1.667	1.36		mg/kg wet		82	48 - 96
Hexachlorocyclopentadiene	1.667	1.17	J	mg/kg wet		70	10 - 111
Hexachloroethane	1.667	1.32		mg/kg wet		79	41 - 100

Method: 8270C - Acid and Base/Neutral Extractables by SW846 TRRP (Continued)

Lab Sample ID: 12E0350-BS1
Matrix: Solid
Analysis Batch: 12E0350

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 12E0350_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Isophorone	1.667	1.28		mg/kg wet		77	49 - 110
Naphthalene	1.667	1.40		mg/kg wet		84	51 - 104
Nitrobenzene	1.667	1.11		mg/kg wet		66	46 - 106
N-Nitrosodi-n-propylamine	1.667	1.38		mg/kg wet		83	46 - 110
N-Nitrosodiphenylamine	1.667	1.20		mg/kg wet		72	46 - 97
Pentachloroethane	1.667	1.30		mg/kg wet		78	50 - 150
Pentachlorophenol	1.667	1.27	J	mg/kg wet		76	39 - 112
Phenanthrene	1.667	1.45		mg/kg wet		87	61 - 111
Phenol	1.667	1.29		mg/kg wet		77	46 - 117
Pyrene	1.667	1.41		mg/kg wet		85	61 - 106
Pyridine	1.667	1.16		mg/kg wet		69	25 - 86

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol	*70*		*42 - 136*
2-Fluorobiphenyl	*69*		*42 - 129*
2-Fluorophenol	*70*		*36 - 114*
Nitrobenzene-d5	*67*		*40 - 122*
Phenol-d5	*70*		*38 - 125*
Terphenyl-d14	*70*		*44 - 127*

Lab Sample ID: 12E0350-MS1
Matrix: Solid
Analysis Batch: 12E0350

Client Sample ID: Matrix Spike
Prep Type: Total
Prep Batch: 12E0350_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	ND		1.892	1.43		mg/kg dry	☼	76	49 - 98
1,2-Diphenylhydrazine	ND		1.892	1.41		mg/kg dry	☼	75	53 - 128
2,4,5-Trichlorophenol	ND		1.892	1.40		mg/kg dry	☼	74	54 - 104
2,4,6-Trichlorophenol	ND		1.892	1.37		mg/kg dry	☼	73	53 - 103
2,4-Dichlorophenol	ND		1.892	1.49		mg/kg dry	☼	79	50 - 107
2,4-Dimethylphenol	ND		1.892	1.54		mg/kg dry	☼	81	43 - 102
2,4-Dinitrophenol	ND		1.892	2.43	M7	mg/kg dry	☼	128	10 - 113
2,4-Dinitrotoluene	ND		1.892	1.48		mg/kg dry	☼	78	55 - 110
2,6-Dinitrotoluene	ND		1.892	1.37		mg/kg dry	☼	73	58 - 104
2-Chloronaphthalene	ND		1.892	1.48		mg/kg dry	☼	78	50 - 112
2-Chlorophenol	ND		1.892	1.54		mg/kg dry	☼	81	43 - 107
2-Methylnaphthalene	ND		1.892	1.60		mg/kg dry	☼	84	52 - 102
2-Methylphenol	ND		1.892	1.58		mg/kg dry	☼	83	46 - 109
2-Nitroaniline	ND		1.892	1.40		mg/kg dry	☼	74	52 - 117
2-Nitrophenol	ND		1.892	1.51		mg/kg dry	☼	80	47 - 106
3 & 4 Methylphenol	ND		1.892	1.63		mg/kg dry	☼	86	38 - 128
3,3'-Dichlorobenzidine	ND		1.892	1.61	J	mg/kg dry	☼	85	41 - 105
3-Nitroaniline	ND		1.892	1.29		mg/kg dry	☼	68	35 - 119
4,6-Dinitro-2-methylphenol	ND		1.892	1.95		mg/kg dry	☼	103	42 - 121
4-Bromophenyl phenyl ether	ND		1.892	1.62		mg/kg dry	☼	86	59 - 115
4-Chloro-3-methylphenol	ND		1.892	1.43		mg/kg dry	☼	75	56 - 112
-Chloroaniline	ND		1.892	1.07		mg/kg dry	☼	56	22 - 110
4-Chlorophenyl phenyl ether	ND		1.892	1.56		mg/kg dry	☼	82	59 - 104
4-Nitroaniline	ND		1.892	1.46		mg/kg dry	☼	77	50 - 135

Method: 8270C - Acid and Base/Neutral Extractables by SW846 TRRP (Continued)

Lab Sample ID: 12E0350-MS1
Matrix: Solid
Analysis Batch: 12E0350

Client Sample ID: Matrix Spik
Prep Type: Total
Prep Batch: 12E0350_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
4-Nitrophenol	ND		1.892	1.39	J	mg/kg dry	☼	74	41 - 125
Acenaphthene	ND		1.892	1.60		mg/kg dry	☼	85	58 - 104
Acenaphthylene	ND		1.892	1.56		mg/kg dry	☼	82	59 - 104
Anthracene	ND		1.892	1.60		mg/kg dry	☼	84	62 - 109
Benzo[a]anthracene	ND		1.892	1.60		mg/kg dry	☼	84	59 - 109
Benzo[a]pyrene	ND		1.892	1.47		mg/kg dry	☼	78	60 - 109
Benzo[b]fluoranthene	ND		1.892	1.45		mg/kg dry	☼	77	54 - 106
Benzo[g,h,i]perylene	ND		1.892	1.39		mg/kg dry	☼	73	56 - 128
Benzo[k]fluoranthene	ND		1.892	1.79		mg/kg dry	☼	95	56 - 124
Bis(2-chloroethoxy)methane	ND		1.892	1.55		mg/kg dry	☼	82	48 - 106
Bis(2-chloroethyl)ether	ND		1.892	1.41		mg/kg dry	☼	74	39 - 105
Bis(2-chloroisopropyl) ether	ND		1.892	1.59		mg/kg dry	☼	84	43 - 103
Bis(2-ethylhexyl) phthalate	ND		1.892	1.71		mg/kg dry	☼	90	60 - 106
Butyl benzyl phthalate	ND		1.892	1.61		mg/kg dry	☼	85	59 - 105
Chrysene	ND		1.892	1.61		mg/kg dry	☼	85	61 - 110
Dibenz[a,h]anthracene	ND		1.892	1.48		mg/kg dry	☼	78	62 - 119
Dibenzofuran	ND		1.892	1.56		mg/kg dry	☼	82	58 - 103
Diethyl phthalate	ND		1.892	1.55		mg/kg dry	☼	82	59 - 107
Dimethyl phthalate	ND		1.892	1.48		mg/kg dry	☼	78	58 - 106
Di-n-butyl phthalate	ND		1.892	1.61		mg/kg dry	☼	85	60 - 110
Di-n-octyl phthalate	ND		1.892	1.74		mg/kg dry	☼	92	58 - 109
Diphenylamine	ND		1.892	1.52		mg/kg dry	☼	81	51 - 94
Fluoranthene	ND		1.892	1.59		mg/kg dry	☼	84	62 - 113
Fluorene	ND		1.892	1.63		mg/kg dry	☼	86	60 - 107
Hexachlorobenzene	ND		1.892	1.53		mg/kg dry	☼	81	62 - 107
Hexachlorobutadiene	ND		1.892	1.57		mg/kg dry	☼	83	48 - 96
Hexachlorocyclopentadiene	ND		1.892	1.21	J	mg/kg dry	☼	64	10 - 111
Hexachloroethane	ND		1.892	1.51		mg/kg dry	☼	80	41 - 100
Isophorone	ND		1.892	1.49		mg/kg dry	☼	79	49 - 110
Naphthalene	0.0948		1.892	1.71		mg/kg dry	☼	86	51 - 104
Nitrobenzene	ND		1.892	1.27		mg/kg dry	☼	67	46 - 106
N-Nitrosodi-n-propylamine	ND		1.892	1.62		mg/kg dry	☼	86	46 - 110
N-Nitrosodiphenylamine	0.0841		1.892	1.52		mg/kg dry	☼	76	46 - 97
Pentachloroethane	ND		1.892	1.56		mg/kg dry	☼	82	50 - 150
Pentachlorophenol	ND		1.892	1.64	J	mg/kg dry	☼	87	39 - 112
Phenanthrene	2.40		1.892	3.79		mg/kg dry	☼	74	61 - 111
Phenol	ND		1.892	1.52		mg/kg dry	☼	80	46 - 117
Pyrene	ND		1.892	1.86		mg/kg dry	☼	99	61 - 106
Pyridine	ND		1.892	1.27		mg/kg dry	☼	67	25 - 86

Surrogate	*Matrix Spike %Recovery*	*Matrix Spike Qualifier*	*Limits*
2,4,6-Tribromophenol	*68*		*42 - 136*
2-Fluorobiphenyl	*64*		*42 - 129*
2-Fluorophenol	*66*		*36 - 114*
Nitrobenzene-d5	*63*		*40 - 122*
Phenol-d5	*67*		*38 - 125*
Terphenyl-d14	*71*		*44 - 127*

Method: 8270C - Acid and Base/Neutral Extractables by SW846 TRRP (Continued)

Lab Sample ID: 12E0350-MSD1
Matrix: Solid
Analysis Batch: 12E0350

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total
Prep Batch: 12E0350_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	ND		1.892	1.50		mg/kg dry	☼	79	49 - 98	5	30
1,2-Diphenylhydrazine	ND		1.892	1.48		mg/kg dry	☼	78	53 - 128	4	30
2,4,5-Trichlorophenol	ND		1.892	1.51		mg/kg dry	☼	80	54 - 104	7	30
2,4,6-Trichlorophenol	ND		1.892	1.47		mg/kg dry	☼	78	53 - 103	7	30
2,4-Dichlorophenol	ND		1.892	1.60		mg/kg dry	☼	84	50 - 107	7	30
2,4-Dimethylphenol	ND		1.892	1.63		mg/kg dry	☼	86	43 - 102	6	30
2,4-Dinitrophenol	ND		1.892	2.54	M7	mg/kg dry	☼	134	10 - 113	5	30
2,4-Dinitrotoluene	ND		1.892	1.52		mg/kg dry	☼	80	55 - 110	3	30
2,6-Dinitrotoluene	ND		1.892	1.49		mg/kg dry	☼	79	58 - 104	8	30
2-Chloronaphthalene	ND		1.892	1.57		mg/kg dry	☼	83	50 - 112	6	30
2-Chlorophenol	ND		1.892	1.63		mg/kg dry	☼	86	43 - 107	6	30
2-Methylnaphthalene	ND		1.892	1.68		mg/kg dry	☼	89	52 - 102	5	30
2-Methylphenol	ND		1.892	1.65		mg/kg dry	☼	87	46 - 109	5	30
2-Nitroaniline	ND		1.892	1.47		mg/kg dry	☼	78	52 - 117	5	30
2-Nitrophenol	ND		1.892	1.58		mg/kg dry	☼	84	47 - 106	5	30
3 & 4 Methylphenol	ND		1.892	1.73		mg/kg dry	☼	91	38 - 128	6	30
3,3'-Dichlorobenzidine	ND		1.892	1.62	J	mg/kg dry	☼	86	41 - 105	0.7	30
3-Nitroaniline	ND		1.892	1.33		mg/kg dry	☼	71	35 - 119	3	30
4,6-Dinitro-2-methylphenol	ND		1.892	2.02		mg/kg dry	☼	107	42 - 121	3	30
4-Bromophenyl phenyl ether	ND		1.892	1.71		mg/kg dry	☼	90	59 - 115	5	30
-Chloro-3-methylphenol	ND		1.892	1.53		mg/kg dry	☼	81	56 - 112	7	30
4-Chloroaniline	ND		1.892	1.08		mg/kg dry	☼	57	22 - 110	2	30
4-Chlorophenyl phenyl ether	ND		1.892	1.61		mg/kg dry	☼	85	59 - 104	3	30
4-Nitroaniline	ND		1.892	1.57		mg/kg dry	☼	83	50 - 135	7	30
4-Nitrophenol	ND		1.892	1.51	J	mg/kg dry	☼	80	41 - 125	8	30
Acenaphthene	ND		1.892	1.67		mg/kg dry	☼	88	58 - 104	4	30
Acenaphthylene	ND		1.892	1.64		mg/kg dry	☼	87	59 - 104	5	30
Anthracene	ND		1.892	1.67		mg/kg dry	☼	88	62 - 109	5	30
Benzo[a]anthracene	ND		1.892	1.68		mg/kg dry	☼	89	59 - 109	5	30
Benzo[a]pyrene	ND		1.892	1.53		mg/kg dry	☼	81	60 - 109	4	30
Benzo[b]fluoranthene	ND		1.892	1.59		mg/kg dry	☼	84	54 - 106	9	30
Benzo[g,h,i]perylene	ND		1.892	1.34		mg/kg dry	☼	71	56 - 128	3	30
Benzo[k]fluoranthene	ND		1.892	1.86		mg/kg dry	☼	98	56 - 124	4	30
Bis(2-chloroethoxy)methane	ND		1.892	1.61		mg/kg dry	☼	85	48 - 106	4	30
Bis(2-chloroethyl)ether	ND		1.892	1.48		mg/kg dry	☼	78	39 - 105	5	30
Bis(2-chloroisopropyl) ether	ND		1.892	1.70		mg/kg dry	☼	90	43 - 103	7	30
Bis(2-ethylhexyl) phthalate	ND		1.892	1.99		mg/kg dry	☼	105	60 - 106	15	30
Butyl benzyl phthalate	ND		1.892	1.70		mg/kg dry	☼	90	59 - 105	6	30
Chrysene	ND		1.892	1.67		mg/kg dry	☼	88	61 - 110	4	30
Dibenz[a,h]anthracene	ND		1.892	1.33		mg/kg dry	☼	70	62 - 119	10	30
Dibenzofuran	ND		1.892	1.63		mg/kg dry	☼	86	58 - 103	4	30
Diethyl phthalate	ND		1.892	1.51		mg/kg dry	☼	80	59 - 107	3	30
Dimethyl phthalate	ND		1.892	1.56		mg/kg dry	☼	82	58 - 106	5	30
Di-n-butyl phthalate	ND		1.892	1.69		mg/kg dry	☼	90	60 - 110	5	30
Di-n-octyl phthalate	ND		1.892	1.96		mg/kg dry	☼	104	58 - 109	12	30
Diphenylamine	ND		1.892	1.57		mg/kg dry	☼	83	51 - 94	3	30
luoranthene	ND		1.892	1.63		mg/kg dry	☼	86	62 - 113	2	30
Fluorene	ND		1.892	1.70		mg/kg dry	☼	90	60 - 107	5	30
Hexachlorobenzene	ND		1.892	1.60		mg/kg dry	☼	85	62 - 107	5	30

Method: 8270C - Acid and Base/Neutral Extractables by SW846 TRRP (Continued)

Lab Sample ID: 12E0350-MSD1 — **Client Sample ID: Matrix Spike Duplica**
Matrix: Solid — **Prep Type: Total**
Analysis Batch: 12E0350 — **Prep Batch: 12E0350_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Hexachlorobutadiene	ND		1.892	1.67		mg/kg dry	☼	88	48 - 96	6	30
Hexachlorocyclopentadiene	ND		1.892	1.19	J	mg/kg dry	☼	63	10 - 111	2	30
Hexachloroethane	ND		1.892	1.60		mg/kg dry	☼	84	41 - 100	6	30
Isophorone	ND		1.892	1.58		mg/kg dry	☼	84	49 - 110	6	30
Naphthalene	0.0948		1.892	1.76		mg/kg dry	☼	88	51 - 104	3	30
Nitrobenzene	ND		1.892	1.36		mg/kg dry	☼	72	46 - 106	7	30
N-Nitrosodi-n-propylamine	ND		1.892	1.73		mg/kg dry	☼	91	46 - 110	6	30
N-Nitrosodiphenylamine	0.0841		1.892	1.57		mg/kg dry	☼	78	46 - 97	3	30
Pentachloroethane	ND		1.892	1.65		mg/kg dry	☼	87	50 - 150	6	30
Pentachlorophenol	ND		1.892	1.70	J	mg/kg dry	☼	90	39 - 112	4	30
Phenanthrene	2.40		1.892	4.66	M7	mg/kg dry	☼	119	61 - 111	20	30
Phenol	ND		1.892	1.62		mg/kg dry	☼	85	46 - 117	6	30
Pyrene	ND		1.892	2.01		mg/kg dry	☼	106	61 - 106	8	30
Pyridine	ND		1.892	1.29		mg/kg dry	☼	68	25 - 86	2	30

Surrogate	*Matrix Spike Dup %Recovery*	*Matrix Spike Dup Qualifier*	*Limits*
2,4,6-Tribromophenol	*76*		*42 - 136*
2-Fluorobiphenyl	*71*		*42 - 129*
2-Fluorophenol	*73*		*36 - 114*
Nitrobenzene-d5	*71*		*40 - 122*
Phenol-d5	*75*		*38 - 125*
Terphenyl-d14	*80*		*44 - 127*

Lab Sample ID: 12E0369-BLK1 — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total**
Analysis Batch: 12E0369 — **Prep Batch: 12E0369_P**

Analyte	Blank Result	Blank Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.330	0.0449	mg/kg wet		05/30/12 17:00	06/01/12 15:19	1.00
1,2-Diphenylhydrazine	ND		0.330	0.0421	mg/kg wet		05/30/12 17:00	06/01/12 15:19	1.00
2,4,5-Trichlorophenol	ND		0.330	0.0343	mg/kg wet		05/30/12 17:00	06/01/12 15:19	1.00
2,4,6-Trichlorophenol	ND		0.330	0.0439	mg/kg wet		05/30/12 17:00	06/01/12 15:19	1.00
2,4-Dichlorophenol	ND		0.330	0.0434	mg/kg wet		05/30/12 17:00	06/01/12 15:19	1.00
2,4-Dimethylphenol	ND		0.330	0.0786	mg/kg wet		05/30/12 17:00	06/01/12 15:19	1.00
2,4-Dinitrophenol	ND		1.67	0.667	mg/kg wet		05/30/12 17:00	06/01/12 15:19	1.00
2,4-Dinitrotoluene	ND		0.330	0.157	mg/kg wet		05/30/12 17:00	06/01/12 15:19	1.00
2,6-Dinitrotoluene	ND		0.330	0.0410	mg/kg wet		05/30/12 17:00	06/01/12 15:19	1.00
2-Chloronaphthalene	ND		0.330	0.0313	mg/kg wet		05/30/12 17:00	06/01/12 15:19	1.00
2-Chlorophenol	ND		0.330	0.0291	mg/kg wet		05/30/12 17:00	06/01/12 15:19	1.00
2-Methylnaphthalene	ND		0.330	0.0321	mg/kg wet		05/30/12 17:00	06/01/12 15:19	1.00
2-Methylphenol	ND		0.330	0.0398	mg/kg wet		05/30/12 17:00	06/01/12 15:19	1.00
2-Nitroaniline	ND		0.330	0.0425	mg/kg wet		05/30/12 17:00	06/01/12 15:19	1.00
2-Nitrophenol	ND		0.330	0.0630	mg/kg wet		05/30/12 17:00	06/01/12 15:19	1.00
3 & 4 Methylphenol	ND		0.330	0.0648	mg/kg wet		05/30/12 17:00	06/01/12 15:19	1.00
3,3'-Dichlorobenzidine	ND		1.67	0.0535	mg/kg wet		05/30/12 17:00	06/01/12 15:19	1.00
3-Nitroaniline	ND		0.330	0.0319	mg/kg wet		05/30/12 17:00	06/01/12 15:19	1.00
4,6-Dinitro-2-methylphenol	ND		1.67	0.200	mg/kg wet		05/30/12 17:00	06/01/12 15:19	1
4-Bromophenyl phenyl ether	ND		0.330	0.0302	mg/kg wet		05/30/12 17:00	06/01/12 15:19	1.00
4-Chloro-3-methylphenol	ND		0.330	0.0527	mg/kg wet		05/30/12 17:00	06/01/12 15:19	1.00

Method: 8270C - Acid and Base/Neutral Extractables by SW846 TRRP (Continued)

Lab Sample ID: 12E0369-BLK1
Matrix: Solid
Analysis Batch: 12E0369

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 12E0369_P

Analyte	Blank Result	Blank Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloroaniline	ND		0.330	0.0375	mg/kg wet		05/30/12 17:00	06/01/12 15:19	1.00
4-Chlorophenyl phenyl ether	ND		0.330	0.0256	mg/kg wet		05/30/12 17:00	06/01/12 15:19	1.00
4-Nitroaniline	ND		0.330	0.100	mg/kg wet		05/30/12 17:00	06/01/12 15:19	1.00
4-Nitrophenol	ND		1.67	0.151	mg/kg wet		05/30/12 17:00	06/01/12 15:19	1.00
Acenaphthene	ND		0.330	0.0347	mg/kg wet		05/30/12 17:00	06/01/12 15:19	1.00
Acenaphthylene	ND		0.330	0.0328	mg/kg wet		05/30/12 17:00	06/01/12 15:19	1.00
Anthracene	ND		0.330	0.0246	mg/kg wet		05/30/12 17:00	06/01/12 15:19	1.00
Benzo[a]anthracene	ND		0.330	0.0199	mg/kg wet		05/30/12 17:00	06/01/12 15:19	1.00
Benzo[a]pyrene	ND		0.330	0.0228	mg/kg wet		05/30/12 17:00	06/01/12 15:19	1.00
Benzo[b]fluoranthene	ND		0.330	0.0522	mg/kg wet		05/30/12 17:00	06/01/12 15:19	1.00
Benzo[g,h,i]perylene	ND		0.330	0.0268	mg/kg wet		05/30/12 17:00	06/01/12 15:19	1.00
Benzo[k]fluoranthene	ND		0.330	0.0397	mg/kg wet		05/30/12 17:00	06/01/12 15:19	1.00
Bis(2-chloroethoxy)methane	ND		0.330	0.0325	mg/kg wet		05/30/12 17:00	06/01/12 15:19	1.00
Bis(2-chloroethyl)ether	ND		0.330	0.0343	mg/kg wet		05/30/12 17:00	06/01/12 15:19	1.00
Bis(2-chloroisopropyl) ether	ND		0.330	0.0272	mg/kg wet		05/30/12 17:00	06/01/12 15:19	1.00
Bis(2-ethylhexyl) phthalate	ND		0.330	0.0419	mg/kg wet		05/30/12 17:00	06/01/12 15:19	1.00
Butyl benzyl phthalate	ND		0.330	0.0261	mg/kg wet		05/30/12 17:00	06/01/12 15:19	1.00
Chrysene	ND		0.330	0.0226	mg/kg wet		05/30/12 17:00	06/01/12 15:19	1.00
Dibenz[a,h]anthracene	ND		0.330	0.0840	mg/kg wet		05/30/12 17:00	06/01/12 15:19	1.00
Dibenzofuran	ND		0.330	0.0358	mg/kg wet		05/30/12 17:00	06/01/12 15:19	1.00
iethyl phthalate	ND		0.330	0.0215	mg/kg wet		05/30/12 17:00	06/01/12 15:19	1.00
Dimethyl phthalate	ND		0.330	0.0238	mg/kg wet		05/30/12 17:00	06/01/12 15:19	1.00
Di-n-butyl phthalate	ND		0.330	0.0246	mg/kg wet		05/30/12 17:00	06/01/12 15:19	1.00
Di-n-octyl phthalate	ND		0.330	0.121	mg/kg wet		05/30/12 17:00	06/01/12 15:19	1.00
Diphenylamine	ND		0.330	0.0227	mg/kg wet		05/30/12 17:00	06/01/12 15:19	1.00
Fluoranthene	ND		0.330	0.0244	mg/kg wet		05/30/12 17:00	06/01/12 15:19	1.00
Fluorene	ND		0.330	0.0231	mg/kg wet		05/30/12 17:00	06/01/12 15:19	1.00
Hexachlorobenzene	ND		0.330	0.0280	mg/kg wet		05/30/12 17:00	06/01/12 15:19	1.00
Hexachlorobutadiene	ND		0.330	0.0406	mg/kg wet		05/30/12 17:00	06/01/12 15:19	1.00
Hexachlorocyclopentadiene	ND		1.67	0.169	mg/kg wet		05/30/12 17:00	06/01/12 15:19	1.00
Hexachloroethane	ND		0.330	0.0430	mg/kg wet		05/30/12 17:00	06/01/12 15:19	1.00
Isophorone	ND		0.330	0.0427	mg/kg wet		05/30/12 17:00	06/01/12 15:19	1.00
Naphthalene	ND		0.330	0.0318	mg/kg wet		05/30/12 17:00	06/01/12 15:19	1.00
Nitrobenzene	ND		0.330	0.0491	mg/kg wet		05/30/12 17:00	06/01/12 15:19	1.00
N-Nitrosodi-n-propylamine	ND		0.330	0.0243	mg/kg wet		05/30/12 17:00	06/01/12 15:19	1.00
N-Nitrosodiphenylamine	ND		0.330	0.0227	mg/kg wet		05/30/12 17:00	06/01/12 15:19	1.00
Pentachloroethane	ND		0.330	0.0304	mg/kg wet		05/30/12 17:00	06/01/12 15:19	1.00
Pentachlorophenol	ND		1.67	0.0504	mg/kg wet		05/30/12 17:00	06/01/12 15:19	1.00
Phenanthrene	ND		0.330	0.0221	mg/kg wet		05/30/12 17:00	06/01/12 15:19	1.00
Phenol	ND		0.330	0.0328	mg/kg wet		05/30/12 17:00	06/01/12 15:19	1.00
Pyrene	ND		0.330	0.0233	mg/kg wet		05/30/12 17:00	06/01/12 15:19	1.00
Pyridine	ND		0.330	0.0386	mg/kg wet		05/30/12 17:00	06/01/12 15:19	1.00

Surrogate	*Blank %Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*70*		*42 - 136*	*05/30/12 17:00*	*06/01/12 15:19*	*1.00*
-Fluorobiphenyl	*77*		*42 - 129*	*05/30/12 17:00*	*06/01/12 15:19*	*1.00*
-Fluorophenol	*75*		*36 - 114*	*05/30/12 17:00*	*06/01/12 15:19*	*1.00*
Nitrobenzene-d5	*73*		*40 - 122*	*05/30/12 17:00*	*06/01/12 15:19*	*1.00*
Phenol-d5	*70*		*38 - 125*	*05/30/12 17:00*	*06/01/12 15:19*	*1.00*

Method: 8270C - Acid and Base/Neutral Extractables by SW846 TRRP (Continued)

Lab Sample ID: 12E0369-BLK1
Matrix: Solid
Analysis Batch: 12E0369

Client Sample ID: Method Bla
Prep Type: Total
Prep Batch: 12E0369_P

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	76		44 - 127	05/30/12 17:00	06/01/12 15:19	1.00

Lab Sample ID: 12E0369-BS1
Matrix: Solid
Analysis Batch: 12E0369

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 12E0369_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	1.667	1.27		mg/kg wet		76	49 - 98
1,2-Diphenylhydrazine	1.667	1.25		mg/kg wet		75	53 - 128
2,4,5-Trichlorophenol	1.667	1.11		mg/kg wet		67	54 - 104
2,4,6-Trichlorophenol	1.667	1.07		mg/kg wet		64	53 - 103
2,4-Dichlorophenol	1.667	1.31		mg/kg wet		79	50 - 107
2,4-Dimethylphenol	1.667	1.29		mg/kg wet		77	43 - 102
2,4-Dinitrophenol	1.667	1.96	L	mg/kg wet		118	10 - 113
2,4-Dinitrotoluene	1.667	1.24		mg/kg wet		75	55 - 110
2,6-Dinitrotoluene	1.667	1.15		mg/kg wet		69	58 - 104
2-Chloronaphthalene	1.667	1.26		mg/kg wet		75	50 - 112
2-Chlorophenol	1.667	1.35		mg/kg wet		81	43 - 107
2-Methylnaphthalene	1.667	1.42		mg/kg wet		85	52 - 102
2-Methylphenol	1.667	1.37		mg/kg wet		82	46 - 109
2-Nitroaniline	1.667	1.10		mg/kg wet		66	52 - 117
2-Nitrophenol	1.667	1.30		mg/kg wet		78	47 - 106
3 & 4 Methylphenol	1.667	1.41		mg/kg wet		85	38 - 128
3,3'-Dichlorobenzidine	5.000	3.81		mg/kg wet		76	41 - 105
3-Nitroaniline	1.667	1.13		mg/kg wet		68	35 - 119
4,6-Dinitro-2-methylphenol	1.667	1.70		mg/kg wet		102	42 - 121
4-Bromophenyl phenyl ether	1.667	1.38		mg/kg wet		83	59 - 115
4-Chloro-3-methylphenol	1.667	1.29		mg/kg wet		77	56 - 112
4-Chloroaniline	1.667	1.19		mg/kg wet		71	22 - 110
4-Chlorophenyl phenyl ether	1.667	1.30		mg/kg wet		78	59 - 104
4-Nitroaniline	1.667	1.17		mg/kg wet		70	50 - 135
4-Nitrophenol	1.667	1.03	J	mg/kg wet		62	41 - 125
Acenaphthene	1.667	1.25		mg/kg wet		75	58 - 104
Acenaphthylene	1.667	1.24		mg/kg wet		74	59 - 104
Anthracene	1.667	1.41		mg/kg wet		84	62 - 109
Benzo[a]anthracene	1.667	1.38		mg/kg wet		83	59 - 109
Benzo[a]pyrene	1.667	1.28		mg/kg wet		77	60 - 109
Benzo[b]fluoranthene	1.667	1.54		mg/kg wet		92	54 - 106
Benzo[g,h,i]perylene	1.667	1.09		mg/kg wet		66	56 - 128
Benzo[k]fluoranthene	1.667	1.58		mg/kg wet		95	56 - 124
Bis(2-chloroethoxy)methane	1.667	1.83	L	mg/kg wet		110	48 - 106
Bis(2-chloroethyl)ether	1.667	1.31		mg/kg wet		78	39 - 105
Bis(2-chloroisopropyl) ether	1.667	1.49		mg/kg wet		89	43 - 103
Bis(2-ethylhexyl) phthalate	1.667	1.33		mg/kg wet		80	60 - 106
Butyl benzyl phthalate	1.667	1.32		mg/kg wet		79	59 - 105
Chrysene	1.667	1.36		mg/kg wet		81	61 - 110
Dibenz[a,h]anthracene	1.667	1.12		mg/kg wet		67	62 - 119
Dibenzofuran	1.667	1.26		mg/kg wet		75	58 - 103
Diethyl phthalate	1.667	1.27		mg/kg wet		76	59 - 107

Method: 8270C - Acid and Base/Neutral Extractables by SW846 TRRP (Continued)

Lab Sample ID: 12E0369-BS1
Matrix: Solid
Analysis Batch: 12E0369

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 12E0369_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dimethyl phthalate	1.667	1.22		mg/kg wet		73	58 - 106
Di-n-butyl phthalate	1.667	1.41		mg/kg wet		84	60 - 110
Di-n-octyl phthalate	1.667	1.42		mg/kg wet		85	58 - 109
Diphenylamine	1.667	1.29		mg/kg wet		78	51 - 94
Fluoranthene	1.667	1.42		mg/kg wet		85	62 - 113
Fluorene	1.667	1.33		mg/kg wet		80	60 - 107
Hexachlorobenzene	1.667	1.36		mg/kg wet		82	62 - 107
Hexachlorobutadiene	1.667	1.42		mg/kg wet		85	48 - 96
Hexachlorocyclopentadiene	5.000	2.53		mg/kg wet		51	10 - 111
Hexachloroethane	1.667	1.38		mg/kg wet		83	41 - 100
Isophorone	1.667	1.37		mg/kg wet		82	49 - 110
Naphthalene	1.667	1.42		mg/kg wet		85	51 - 104
Nitrobenzene	1.667	1.16		mg/kg wet		70	46 - 106
N-Nitrosodi-n-propylamine	1.667	1.51		mg/kg wet		91	46 - 110
N-Nitrosodiphenylamine	1.667	1.29		mg/kg wet		78	46 - 97
Pentachloroethane	1.667	1.27		mg/kg wet		76	50 - 150
Pentachlorophenol	4.996	3.41		mg/kg wet		68	39 - 112
Phenanthrene	1.667	1.42		mg/kg wet		85	61 - 111
Phenol	1.667	1.29		mg/kg wet		77	46 - 117
Pyrene	1.667	1.47		mg/kg wet		88	61 - 106
yridine	1.667	1.13		mg/kg wet		68	25 - 86

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol	*75*		*42 - 136*
2-Fluorobiphenyl	*68*		*42 - 129*
2-Fluorophenol	*74*		*36 - 114*
Nitrobenzene-d5	*73*		*40 - 122*
Phenol-d5	*76*		*38 - 125*
Terphenyl-d14	*78*		*44 - 127*

Lab Sample ID: 12E0369-MS1
Matrix: Solid
Analysis Batch: 12E0369

Client Sample ID: Matrix Spike
Prep Type: Total
Prep Batch: 12E0369_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	ND		1.718	1.25		mg/kg dry	☼	73	49 - 98
1,2-Diphenylhydrazine	ND		1.718	1.16		mg/kg dry	☼	67	53 - 128
2,4,5-Trichlorophenol	ND		1.718	0.935		mg/kg dry	☼	54	54 - 104
2,4,6-Trichlorophenol	ND		1.718	0.915		mg/kg dry	☼	53	53 - 103
2,4-Dichlorophenol	ND		1.718	1.15		mg/kg dry	☼	67	50 - 107
2,4-Dimethylphenol	ND		1.718	1.26		mg/kg dry	☼	73	43 - 102
2,4-Dinitrophenol	ND		1.718	1.72		mg/kg dry	☼	100	10 - 113
2,4-Dinitrotoluene	ND		1.718	1.21		mg/kg dry	☼	70	55 - 110
2,6-Dinitrotoluene	ND		1.718	1.14		mg/kg dry	☼	66	58 - 104
2-Chloronaphthalene	ND		1.718	1.37		mg/kg dry	☼	80	50 - 112
2-Chlorophenol	ND		1.718	1.21		mg/kg dry	☼	71	43 - 107
Methylnaphthalene	ND		1.718	1.37		mg/kg dry	☼	80	52 - 102
2-Methylphenol	ND		1.718	1.32		mg/kg dry	☼	77	46 - 109
2-Nitroaniline	ND		1.718	1.09		mg/kg dry	☼	64	52 - 117

Method: 8270C - Acid and Base/Neutral Extractables by SW846 TRRP (Continued)

Lab Sample ID: 12E0369-MS1
Matrix: Solid
Analysis Batch: 12E0369

Client Sample ID: Matrix Spik
Prep Type: Total
Prep Batch: 12E0369_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
2-Nitrophenol	ND		1.718	1.14		mg/kg dry	☼	66	47 - 106
3 & 4 Methylphenol	ND		1.718	1.27		mg/kg dry	☼	74	38 - 128
3,3'-Dichlorobenzidine	ND		5.154	3.89		mg/kg dry	☼	75	41 - 105
3-Nitroaniline	ND		1.718	1.04		mg/kg dry	☼	60	35 - 119
4,6-Dinitro-2-methylphenol	ND		1.718	1.41	J	mg/kg dry	☼	82	42 - 121
4-Bromophenyl phenyl ether	ND		1.718	1.34		mg/kg dry	☼	78	59 - 115
4-Chloro-3-methylphenol	ND		1.718	1.20		mg/kg dry	☼	70	56 - 112
4-Chloroaniline	ND		1.718	1.08		mg/kg dry	☼	63	22 - 110
4-Chlorophenyl phenyl ether	ND		1.718	1.28		mg/kg dry	☼	74	59 - 104
4-Nitroaniline	ND		1.718	1.07		mg/kg dry	☼	62	50 - 135
4-Nitrophenol	ND		1.718	1.19	J	mg/kg dry	☼	69	41 - 125
Acenaphthene	ND		1.718	1.24		mg/kg dry	☼	72	58 - 104
Acenaphthylene	ND		1.718	1.25		mg/kg dry	☼	73	59 - 104
Anthracene	ND		1.718	1.31		mg/kg dry	☼	76	62 - 109
Benzo[a]anthracene	ND		1.718	1.35		mg/kg dry	☼	79	59 - 109
Benzo[a]pyrene	ND		1.718	1.27		mg/kg dry	☼	74	60 - 109
Benzo[b]fluoranthene	ND		1.718	1.50		mg/kg dry	☼	87	54 - 106
Benzo[g,h,i]perylene	ND		1.718	1.26		mg/kg dry	☼	73	56 - 128
Benzo[k]fluoranthene	ND		1.718	1.43		mg/kg dry	☼	83	56 - 124
Bis(2-chloroethoxy)methane	ND		1.718	1.79		mg/kg dry	☼	104	48 - 106
Bis(2-chloroethyl)ether	ND		1.718	1.27		mg/kg dry	☼	74	39 - 105
Bis(2-chloroisopropyl) ether	ND		1.718	1.44		mg/kg dry	☼	84	43 - 103
Bis(2-ethylhexyl) phthalate	0.129		1.718	1.27		mg/kg dry	☼	66	60 - 106
Butyl benzyl phthalate	ND		1.718	1.28		mg/kg dry	☼	74	59 - 105
Chrysene	ND		1.718	1.31		mg/kg dry	☼	76	61 - 110
Dibenz[a,h]anthracene	ND		1.718	1.20		mg/kg dry	☼	70	62 - 119
Dibenzofuran	ND		1.718	1.24		mg/kg dry	☼	72	58 - 103
Diethyl phthalate	ND		1.718	1.23		mg/kg dry	☼	71	59 - 107
Dimethyl phthalate	ND		1.718	1.20		mg/kg dry	☼	70	58 - 106
Di-n-butyl phthalate	ND		1.718	1.35		mg/kg dry	☼	79	60 - 110
Di-n-octyl phthalate	0.152		1.718	1.34		mg/kg dry	☼	69	58 - 109
Diphenylamine	ND		1.718	1.24		mg/kg dry	☼	72	51 - 94
Fluoranthene	ND		1.718	1.37		mg/kg dry	☼	80	62 - 113
Fluorene	ND		1.718	1.30		mg/kg dry	☼	76	60 - 107
Hexachlorobenzene	ND		1.718	1.33		mg/kg dry	☼	77	62 - 107
Hexachlorobutadiene	ND		1.718	1.40		mg/kg dry	☼	81	48 - 96
Hexachlorocyclopentadiene	ND		5.154	2.95		mg/kg dry	☼	57	10 - 111
Hexachloroethane	ND		1.718	1.35		mg/kg dry	☼	79	41 - 100
Isophorone	ND		1.718	1.35		mg/kg dry	☼	78	49 - 110
Naphthalene	ND		1.718	1.39		mg/kg dry	☼	81	51 - 104
Nitrobenzene	ND		1.718	1.14		mg/kg dry	☼	66	46 - 106
N-Nitrosodi-n-propylamine	ND		1.718	1.46		mg/kg dry	☼	85	46 - 110
N-Nitrosodiphenylamine	ND		1.718	1.24		mg/kg dry	☼	72	46 - 97
Pentachloroethane	ND		1.718	1.24		mg/kg dry	☼	72	50 - 150
Pentachlorophenol	ND		5.150	2.44		mg/kg dry	☼	47	39 - 112
Phenanthrene	ND		1.718	1.45		mg/kg dry	☼	84	61 - 111
Phenol	ND		1.718	1.19		mg/kg dry	☼	69	46 - 117
Pyrene	ND		1.718	1.43		mg/kg dry	☼	83	61 - 106
Pyridine	ND		1.718	1.10		mg/kg dry	☼	64	25 - 86

Method: 8270C - Acid and Base/Neutral Extractables by SW846 TRRP (Continued)

Lab Sample ID: 12E0369-MS1
Matrix: Solid
Analysis Batch: 12E0369

Client Sample ID: Matrix Spike
Prep Type: Total
Prep Batch: 12E0369_P

Surrogate	*Matrix Spike %Recovery*	*Matrix Spike Qualifier*	*Limits*
2,4,6-Tribromophenol	*59*		*42 - 136*
2-Fluorobiphenyl	*64*		*42 - 129*
2-Fluorophenol	*64*		*36 - 114*
Nitrobenzene-d5	*67*		*40 - 122*
Phenol-d5	*67*		*38 - 125*
Terphenyl-d14	*70*		*44 - 127*

Lab Sample ID: 12E0369-MSD1
Matrix: Solid
Analysis Batch: 12E0369

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total
Prep Batch: 12E0369_P

Analyte	Sample Result	Sample Qualifier	Spike Added	trix Spike Dup Result	Matrix Spike Du Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	ND		1.719	1.29		mg/kg dry	☼	75	49 - 98	3	30
1,2-Diphenylhydrazine	ND		1.719	1.23		mg/kg dry	☼	72	53 - 128	6	30
2,4,5-Trichlorophenol	ND		1.719	1.01		mg/kg dry	☼	58	54 - 104	7	30
2,4,6-Trichlorophenol	ND		1.719	0.986		mg/kg dry	☼	57	53 - 103	7	30
2,4-Dichlorophenol	ND		1.719	1.22		mg/kg dry	☼	71	50 - 107	6	30
2,4-Dimethylphenol	ND		1.719	1.32		mg/kg dry	☼	77	43 - 102	5	30
2,4-Dinitrophenol	ND		1.719	1.87		mg/kg dry	☼	109	10 - 113	8	30
2,4-Dinitrotoluene	ND		1.719	1.23		mg/kg dry	☼	72	55 - 110	2	30
6-Dinitrotoluene	ND		1.719	1.17		mg/kg dry	☼	68	58 - 104	3	30
2-Chloronaphthalene	ND		1.719	1.35		mg/kg dry	☼	79	50 - 112	1	30
2-Chlorophenol	ND		1.719	1.27		mg/kg dry	☼	74	43 - 107	5	30
2-Methylnaphthalene	ND		1.719	1.42		mg/kg dry	☼	82	52 - 102	4	30
2-Methylphenol	ND		1.719	1.41		mg/kg dry	☼	82	46 - 109	6	30
2-Nitroaniline	ND		1.719	1.13		mg/kg dry	☼	66	52 - 117	3	30
2-Nitrophenol	ND		1.719	1.21		mg/kg dry	☼	70	47 - 106	6	30
3 & 4 Methylphenol	ND		1.719	1.41		mg/kg dry	☼	82	38 - 128	10	30
3,3'-Dichlorobenzidine	ND		5.158	3.47		mg/kg dry	☼	67	41 - 105	11	30
3-Nitroaniline	ND		1.719	1.05		mg/kg dry	☼	61	35 - 119	2	30
4,6-Dinitro-2-methylphenol	ND		1.719	1.54	J	mg/kg dry	☼	90	42 - 121	9	30
4-Bromophenyl phenyl ether	ND		1.719	1.39		mg/kg dry	☼	81	59 - 115	4	30
4-Chloro-3-methylphenol	ND		1.719	1.25		mg/kg dry	☼	73	56 - 112	4	30
4-Chloroaniline	ND		1.719	1.05		mg/kg dry	☼	61	22 - 110	3	30
4-Chlorophenyl phenyl ether	ND		1.719	1.28		mg/kg dry	☼	75	59 - 104	0.3	30
4-Nitroaniline	ND		1.719	1.11		mg/kg dry	☼	65	50 - 135	4	30
4-Nitrophenol	ND		1.719	0.977	J	mg/kg dry	☼	57	41 - 125	20	30
Acenaphthene	ND		1.719	1.26		mg/kg dry	☼	73	58 - 104	2	30
Acenaphthylene	ND		1.719	1.27		mg/kg dry	☼	74	59 - 104	1	30
Anthracene	ND		1.719	1.38		mg/kg dry	☼	81	62 - 109	5	30
Benzo[a]anthracene	ND		1.719	1.39		mg/kg dry	☼	81	59 - 109	2	30
Benzo[a]pyrene	ND		1.719	1.31		mg/kg dry	☼	76	60 - 109	3	30
Benzo[b]fluoranthene	ND		1.719	1.49		mg/kg dry	☼	86	54 - 106	1	30
Benzo[g,h,i]perylene	ND		1.719	1.30		mg/kg dry	☼	76	56 - 128	4	30
Benzo[k]fluoranthene	ND		1.719	1.57		mg/kg dry	☼	91	56 - 124	9	30
Bis(2-chloroethoxy)methane	ND		1.719	1.83		mg/kg dry	☼	106	48 - 106	2	30
s(2-chloroethyl)ether	ND		1.719	1.30		mg/kg dry	☼	76	39 - 105	3	30
Bis(2-chloroisopropyl) ether	ND		1.719	1.51		mg/kg dry	☼	88	43 - 103	5	30
Bis(2-ethylhexyl) phthalate	0.129		1.719	1.37		mg/kg dry	☼	72	60 - 106	8	30

Method: 8270C - Acid and Base/Neutral Extractables by SW846 TRRP (Continued)

Lab Sample ID: 12E0369-MSD1 | **Client Sample ID: Matrix Spike Duplica**
Matrix: Solid | **Prep Type: Total**
Analysis Batch: 12E0369 | **Prep Batch: 12E0369_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	trix Spike Dup Result	Matrix Spike Du Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Butyl benzyl phthalate	ND		1.719	1.37		mg/kg dry	☼	80	59 - 105	7	30
Chrysene	ND		1.719	1.37		mg/kg dry	☼	80	61 - 110	5	30
Dibenz[a,h]anthracene	ND		1.719	1.22		mg/kg dry	☼	71	62 - 119	2	30
Dibenzofuran	ND		1.719	1.28		mg/kg dry	☼	74	58 - 103	2	30
Diethyl phthalate	ND		1.719	1.27		mg/kg dry	☼	74	59 - 107	3	30
Dimethyl phthalate	ND		1.719	1.23		mg/kg dry	☼	72	58 - 106	3	30
Di-n-butyl phthalate	ND		1.719	1.41		mg/kg dry	☼	82	60 - 110	4	30
Di-n-octyl phthalate	0.152		1.719	1.48		mg/kg dry	☼	77	58 - 109	10	30
Diphenylamine	ND		1.719	1.28		mg/kg dry	☼	74	51 - 94	3	30
Fluoranthene	ND		1.719	1.40		mg/kg dry	☼	81	62 - 113	2	30
Fluorene	ND		1.719	1.33		mg/kg dry	☼	77	60 - 107	2	30
Hexachlorobenzene	ND		1.719	1.37		mg/kg dry	☼	80	62 - 107	3	30
Hexachlorobutadiene	ND		1.719	1.44		mg/kg dry	☼	84	48 - 96	3	30
Hexachlorocyclopentadiene	ND		5.158	2.53		mg/kg dry	☼	49	10 - 111	15	30
Hexachloroethane	ND		1.719	1.40		mg/kg dry	☼	81	41 - 100	3	30
Isophorone	ND		1.719	1.40		mg/kg dry	☼	81	49 - 110	4	30
Naphthalene	ND		1.719	1.44		mg/kg dry	☼	84	51 - 104	4	30
Nitrobenzene	ND		1.719	1.19		mg/kg dry	☼	69	46 - 106	4	30
N-Nitrosodi-n-propylamine	ND		1.719	1.49		mg/kg dry	☼	87	46 - 110	2	30
N-Nitrosodiphenylamine	ND		1.719	1.28		mg/kg dry	☼	74	46 - 97	3	30
Pentachloroethane	ND		1.719	1.23		mg/kg dry	☼	72	50 - 150	0.2	[illegible]
Pentachlorophenol	ND		5.154	2.71		mg/kg dry	☼	53	39 - 112	11	[illegible]
Phenanthrene	ND		1.719	1.45		mg/kg dry	☼	85	61 - 111	0.6	30
Phenol	ND		1.719	1.25		mg/kg dry	☼	73	46 - 117	5	30
Pyrene	ND		1.719	1.51		mg/kg dry	☼	88	61 - 106	6	30
Pyridine	ND		1.719	1.09		mg/kg dry	☼	64	25 - 86	0.6	30

Surrogate	*Matrix Spike Dup %Recovery*	*Matrix Spike Dup Qualifier*	*Limits*
2,4,6-Tribromophenol	*65*		*42 - 136*
2-Fluorobiphenyl	*64*		*42 - 129*
2-Fluorophenol	*67*		*36 - 114*
Nitrobenzene-d5	*69*		*40 - 122*
Phenol-d5	*69*		*38 - 125*
Terphenyl-d14	*72*		*44 - 127*

Lab Sample ID: 12F0010-BLK1 | **Client Sample ID: Method Blank**
Matrix: Solid | **Prep Type: Total**
Analysis Batch: 12F0010 | **Prep Batch: 12F0010_P**

Analyte	Blank Result	Blank Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.330	0.0449	mg/kg wet		05/31/12 17:00	06/02/12 10:25	1.00
1,2-Diphenylhydrazine	ND		0.330	0.0421	mg/kg wet		05/31/12 17:00	06/02/12 10:25	1.00
2,4,5-Trichlorophenol	ND		0.330	0.0343	mg/kg wet		05/31/12 17:00	06/02/12 10:25	1.00
2,4,6-Trichlorophenol	ND		0.330	0.0439	mg/kg wet		05/31/12 17:00	06/02/12 10:25	1.00
2,4-Dichlorophenol	ND		0.330	0.0434	mg/kg wet		05/31/12 17:00	06/02/12 10:25	1.00
2,4-Dimethylphenol	ND		0.330	0.0786	mg/kg wet		05/31/12 17:00	06/02/12 10:25	1.00
2,4-Dinitrophenol	ND		1.67	0.667	mg/kg wet		05/31/12 17:00	06/02/12 10:25	1[illegible]
2,4-Dinitrotoluene	ND		0.330	0.157	mg/kg wet		05/31/12 17:00	06/02/12 10:25	1.00
2,6-Dinitrotoluene	ND		0.330	0.0410	mg/kg wet		05/31/12 17:00	06/02/12 10:25	1.00

Method: 8270C - Acid and Base/Neutral Extractables by SW846 TRRP (Continued)

Lab Sample ID: 12F0010-BLK1
Matrix: Solid
Analysis Batch: 12F0010

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 12F0010_P

Analyte	Blank Result	Blank Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chloronaphthalene	ND		0.330	0.0313	mg/kg wet		05/31/12 17:00	06/02/12 10:25	1.00
2-Chlorophenol	ND		0.330	0.0291	mg/kg wet		05/31/12 17:00	06/02/12 10:25	1.00
2-Methylnaphthalene	ND		0.330	0.0321	mg/kg wet		05/31/12 17:00	06/02/12 10:25	1.00
2-Methylphenol	ND		0.330	0.0398	mg/kg wet		05/31/12 17:00	06/02/12 10:25	1.00
2-Nitroaniline	ND		0.330	0.0425	mg/kg wet		05/31/12 17:00	06/02/12 10:25	1.00
2-Nitrophenol	ND		0.330	0.0630	mg/kg wet		05/31/12 17:00	06/02/12 10:25	1.00
3 & 4 Methylphenol	ND		0.330	0.0648	mg/kg wet		05/31/12 17:00	06/02/12 10:25	1.00
3,3'-Dichlorobenzidine	ND		1.67	0.0535	mg/kg wet		05/31/12 17:00	06/02/12 10:25	1.00
3-Nitroaniline	ND		0.330	0.0319	mg/kg wet		05/31/12 17:00	06/02/12 10:25	1.00
4,6-Dinitro-2-methylphenol	ND		1.67	0.200	mg/kg wet		05/31/12 17:00	06/02/12 10:25	1.00
4-Bromophenyl phenyl ether	ND		0.330	0.0302	mg/kg wet		05/31/12 17:00	06/02/12 10:25	1.00
4-Chloro-3-methylphenol	ND		0.330	0.0527	mg/kg wet		05/31/12 17:00	06/02/12 10:25	1.00
4-Chloroaniline	ND		0.330	0.0375	mg/kg wet		05/31/12 17:00	06/02/12 10:25	1.00
4-Chlorophenyl phenyl ether	ND		0.330	0.0256	mg/kg wet		05/31/12 17:00	06/02/12 10:25	1.00
4-Nitroaniline	ND		0.330	0.100	mg/kg wet		05/31/12 17:00	06/02/12 10:25	1.00
4-Nitrophenol	ND		1.67	0.151	mg/kg wet		05/31/12 17:00	06/02/12 10:25	1.00
Acenaphthene	ND		0.330	0.0347	mg/kg wet		05/31/12 17:00	06/02/12 10:25	1.00
Acenaphthylene	ND		0.330	0.0328	mg/kg wet		05/31/12 17:00	06/02/12 10:25	1.00
Anthracene	ND		0.330	0.0246	mg/kg wet		05/31/12 17:00	06/02/12 10:25	1.00
Benzo[a]anthracene	ND		0.330	0.0199	mg/kg wet		05/31/12 17:00	06/02/12 10:25	1.00
Benzo[a]pyrene	ND		0.330	0.0228	mg/kg wet		05/31/12 17:00	06/02/12 10:25	1.00
Benzo[b]fluoranthene	ND		0.330	0.0522	mg/kg wet		05/31/12 17:00	06/02/12 10:25	1.00
Benzo[g,h,i]perylene	ND		0.330	0.0268	mg/kg wet		05/31/12 17:00	06/02/12 10:25	1.00
Benzo[k]fluoranthene	ND		0.330	0.0397	mg/kg wet		05/31/12 17:00	06/02/12 10:25	1.00
Bis(2-chloroethoxy)methane	ND		0.330	0.0325	mg/kg wet		05/31/12 17:00	06/02/12 10:25	1.00
Bis(2-chloroethyl)ether	ND		0.330	0.0343	mg/kg wet		05/31/12 17:00	06/02/12 10:25	1.00
Bis(2-chloroisopropyl) ether	ND		0.330	0.0272	mg/kg wet		05/31/12 17:00	06/02/12 10:25	1.00
Bis(2-ethylhexyl) phthalate	ND		0.330	0.0419	mg/kg wet		05/31/12 17:00	06/02/12 10:25	1.00
Butyl benzyl phthalate	ND		0.330	0.0261	mg/kg wet		05/31/12 17:00	06/02/12 10:25	1.00
Chrysene	ND		0.330	0.0226	mg/kg wet		05/31/12 17:00	06/02/12 10:25	1.00
Dibenz[a,h]anthracene	ND		0.330	0.0840	mg/kg wet		05/31/12 17:00	06/02/12 10:25	1.00
Dibenzofuran	ND		0.330	0.0358	mg/kg wet		05/31/12 17:00	06/02/12 10:25	1.00
Diethyl phthalate	ND		0.330	0.0215	mg/kg wet		05/31/12 17:00	06/02/12 10:25	1.00
Dimethyl phthalate	ND		0.330	0.0238	mg/kg wet		05/31/12 17:00	06/02/12 10:25	1.00
Di-n-butyl phthalate	ND		0.330	0.0246	mg/kg wet		05/31/12 17:00	06/02/12 10:25	1.00
Di-n-octyl phthalate	ND		0.330	0.121	mg/kg wet		05/31/12 17:00	06/02/12 10:25	1.00
Diphenylamine	ND		0.330	0.0227	mg/kg wet		05/31/12 17:00	06/02/12 10:25	1.00
Fluoranthene	ND		0.330	0.0244	mg/kg wet		05/31/12 17:00	06/02/12 10:25	1.00
Fluorene	ND		0.330	0.0231	mg/kg wet		05/31/12 17:00	06/02/12 10:25	1.00
Hexachlorobenzene	ND		0.330	0.0280	mg/kg wet		05/31/12 17:00	06/02/12 10:25	1.00
Hexachlorobutadiene	ND		0.330	0.0406	mg/kg wet		05/31/12 17:00	06/02/12 10:25	1.00
Hexachlorocyclopentadiene	ND		1.67	0.169	mg/kg wet		05/31/12 17:00	06/02/12 10:25	1.00
Hexachloroethane	ND		0.330	0.0430	mg/kg wet		05/31/12 17:00	06/02/12 10:25	1.00
Isophorone	ND		0.330	0.0427	mg/kg wet		05/31/12 17:00	06/02/12 10:25	1.00
Naphthalene	ND		0.330	0.0318	mg/kg wet		05/31/12 17:00	06/02/12 10:25	1.00
Nitrobenzene	ND		0.330	0.0491	mg/kg wet		05/31/12 17:00	06/02/12 10:25	1.00
N-Nitrosodi-n-propylamine	ND		0.330	0.0243	mg/kg wet		05/31/12 17:00	06/02/12 10:25	1.00
N-Nitrosodiphenylamine	ND		0.330	0.0227	mg/kg wet		05/31/12 17:00	06/02/12 10:25	1.00
Pentachloroethane	ND		0.330	0.0304	mg/kg wet		05/31/12 17:00	06/02/12 10:25	1.00
Pentachlorophenol	ND		1.67	0.0504	mg/kg wet		05/31/12 17:00	06/02/12 10:25	1.00

Method: 8270C - Acid and Base/Neutral Extractables by SW846 TRRP (Continued)

Lab Sample ID: 12F0010-BLK1 | **Client Sample ID: Method Bla**
Matrix: Solid | **Prep Type: Total**
Analysis Batch: 12F0010 | **Prep Batch: 12F0010_P**

Analyte	Blank Result	Blank Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	ND		0.330	0.0221	mg/kg wet		05/31/12 17:00	06/02/12 10:25	1.00
Phenol	ND		0.330	0.0328	mg/kg wet		05/31/12 17:00	06/02/12 10:25	1.00
Pyrene	ND		0.330	0.0233	mg/kg wet		05/31/12 17:00	06/02/12 10:25	1.00
Pyridine	ND		0.330	0.0386	mg/kg wet		05/31/12 17:00	06/02/12 10:25	1.00

Surrogate	*Blank %Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*75*		*42 - 136*	*05/31/12 17:00*	*06/02/12 10:25*	*1.00*
2-Fluorobiphenyl	*80*		*42 - 129*	*05/31/12 17:00*	*06/02/12 10:25*	*1.00*
2-Fluorophenol	*81*		*36 - 114*	*05/31/12 17:00*	*06/02/12 10:25*	*1.00*
Nitrobenzene-d5	*78*		*40 - 122*	*05/31/12 17:00*	*06/02/12 10:25*	*1.00*
Phenol-d5	*81*		*38 - 125*	*05/31/12 17:00*	*06/02/12 10:25*	*1.00*
Terphenyl-d14	*82*		*44 - 127*	*05/31/12 17:00*	*06/02/12 10:25*	*1.00*

Lab Sample ID: 12F0010-BS1 | **Client Sample ID: Lab Control Sample**
Matrix: Solid | **Prep Type: Total**
Analysis Batch: 12F0010 | **Prep Batch: 12F0010_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	1.667	1.24		mg/kg wet		74	49 - 98
1,2-Diphenylhydrazine	1.667	1.31		mg/kg wet		79	53 - 128
2,4,5-Trichlorophenol	1.667	1.26		mg/kg wet		76	54 - 104
2,4,6-Trichlorophenol	1.667	1.13		mg/kg wet		68	53 - 103
2,4-Dichlorophenol	1.667	1.28		mg/kg wet		77	50 - 107
2,4-Dimethylphenol	1.667	1.30		mg/kg wet		78	43 - 102
2,4-Dinitrophenol	1.667	2.02	L	mg/kg wet		121	10 - 113
2,4-Dinitrotoluene	1.667	1.26		mg/kg wet		76	55 - 110
2,6-Dinitrotoluene	1.667	1.17		mg/kg wet		70	58 - 104
2-Chloronaphthalene	1.667	1.27		mg/kg wet		76	50 - 112
2-Chlorophenol	1.667	1.30		mg/kg wet		78	43 - 107
2-Methylnaphthalene	1.667	1.33		mg/kg wet		80	52 - 102
2-Methylphenol	1.667	1.26		mg/kg wet		76	46 - 109
2-Nitroaniline	1.667	1.26		mg/kg wet		76	52 - 117
2-Nitrophenol	1.667	1.27		mg/kg wet		76	47 - 106
3 & 4 Methylphenol	1.667	1.44		mg/kg wet		86	38 - 128
3,3'-Dichlorobenzidine	1.667	0.718	J	mg/kg wet		43	41 - 105
3-Nitroaniline	1.667	0.926		mg/kg wet		56	35 - 119
4,6-Dinitro-2-methylphenol	1.667	1.72		mg/kg wet		103	42 - 121
4-Bromophenyl phenyl ether	1.667	1.45		mg/kg wet		87	59 - 115
4-Chloro-3-methylphenol	1.667	1.22		mg/kg wet		73	56 - 112
4-Chloroaniline	1.667	0.761		mg/kg wet		46	22 - 110
4-Chlorophenyl phenyl ether	1.667	1.30		mg/kg wet		78	59 - 104
4-Nitroaniline	1.667	1.22		mg/kg wet		73	50 - 135
4-Nitrophenol	1.667	1.21	J	mg/kg wet		73	41 - 125
Acenaphthene	1.667	1.25		mg/kg wet		75	58 - 104
Acenaphthylene	1.667	1.31		mg/kg wet		79	59 - 104
Anthracene	1.667	1.48		mg/kg wet		89	62 - 109
Benzo[a]anthracene	1.667	1.38		mg/kg wet		83	59 - 109
Benzo[a]pyrene	1.667	1.23		mg/kg wet		74	60 - 109
Benzo[b]fluoranthene	1.667	1.29		mg/kg wet		77	54 - 106

Method: 8270C - Acid and Base/Neutral Extractables by SW846 TRRP (Continued)

Lab Sample ID: 12F0010-BS1 — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total**
Analysis Batch: 12F0010 — **Prep Batch: 12F0010_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzo[g,h,i]perylene	1.667	1.38		mg/kg wet		83	56 - 128
Benzo[k]fluoranthene	1.667	1.37		mg/kg wet		82	56 - 124
Bis(2-chloroethoxy)methane	1.667	1.30		mg/kg wet		78	48 - 106
Bis(2-chloroethyl)ether	1.667	1.21		mg/kg wet		73	39 - 105
Bis(2-chloroisopropyl) ether	1.667	1.40		mg/kg wet		84	43 - 103
Bis(2-ethylhexyl) phthalate	1.667	1.27		mg/kg wet		76	60 - 106
Butyl benzyl phthalate	1.667	1.25		mg/kg wet		75	59 - 105
Chrysene	1.667	1.37		mg/kg wet		82	61 - 110
Dibenz[a,h]anthracene	1.667	1.27		mg/kg wet		76	62 - 119
Dibenzofuran	1.667	1.30		mg/kg wet		78	58 - 103
Diethyl phthalate	1.667	1.30		mg/kg wet		78	59 - 107
Dimethyl phthalate	1.667	1.26		mg/kg wet		76	58 - 106
Di-n-butyl phthalate	1.667	1.47		mg/kg wet		88	60 - 110
Di-n-octyl phthalate	1.667	1.21		mg/kg wet		72	58 - 109
Diphenylamine	1.667	1.15		mg/kg wet		69	51 - 94
Fluoranthene	1.667	1.50		mg/kg wet		90	62 - 113
Fluorene	1.667	1.32		mg/kg wet		79	60 - 107
Hexachlorobenzene	1.667	1.41		mg/kg wet		85	62 - 107
Hexachlorobutadiene	1.667	1.36		mg/kg wet		82	48 - 96
Hexachlorocyclopentadiene	1.667	1.20	J	mg/kg wet		72	10 - 111
Hexachloroethane	1.667	1.35		mg/kg wet		81	41 - 100
Isophorone	1.667	1.30		mg/kg wet		78	49 - 110
Naphthalene	1.667	1.38		mg/kg wet		83	51 - 104
Nitrobenzene	1.667	1.15		mg/kg wet		69	46 - 106
N-Nitrosodi-n-propylamine	1.667	1.42		mg/kg wet		85	46 - 110
N-Nitrosodiphenylamine	1.667	1.15		mg/kg wet		69	46 - 97
Pentachloroethane	1.667	1.31		mg/kg wet		78	50 - 150
Pentachlorophenol	1.667	1.27	J	mg/kg wet		76	39 - 112
Phenanthrene	1.667	1.52		mg/kg wet		91	61 - 111
Phenol	1.667	1.24		mg/kg wet		74	46 - 117
Pyrene	1.667	1.44		mg/kg wet		86	61 - 106
Pyridine	1.667	1.19		mg/kg wet		71	25 - 86

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol	*72*		*42 - 136*
2-Fluorobiphenyl	*72*		*42 - 129*
2-Fluorophenol	*71*		*36 - 114*
Nitrobenzene-d5	*70*		*40 - 122*
Phenol-d5	*72*		*38 - 125*
Terphenyl-d14	*73*		*44 - 127*

Lab Sample ID: 12F0010-MS1 — **Client Sample ID: SB-2 1**
Matrix: Solid — **Prep Type: Total**
Analysis Batch: 12F0010 — **Prep Batch: 12F0010_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	ND		2.011	1.48		mg/kg dry	☼	74	49 - 98
1,2-Diphenylhydrazine	ND		2.011	1.43		mg/kg dry	☼	71	53 - 128
2,4,5-Trichlorophenol	ND		2.011	1.56		mg/kg dry	☼	78	54 - 104

Method: 8270C - Acid and Base/Neutral Extractables by SW846 TRRP (Continued)

Lab Sample ID: 12F0010-MS1
Matrix: Solid
Analysis Batch: 12F0010

Client Sample ID: SB-2
Prep Type: Total
Prep Batch: 12F0010_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
2,4,6-Trichlorophenol	ND		2.011	1.36		mg/kg dry	☼	68	53 - 103
2,4-Dichlorophenol	ND		2.011	1.58		mg/kg dry	☼	78	50 - 107
2,4-Dimethylphenol	ND		2.011	1.56		mg/kg dry	☼	78	43 - 102
2,4-Dinitrophenol	ND		2.011	2.51	M7	mg/kg dry	☼	125	10 - 113
2,4-Dinitrotoluene	ND		2.011	1.60		mg/kg dry	☼	80	55 - 110
2,6-Dinitrotoluene	ND		2.011	1.51		mg/kg dry	☼	75	58 - 104
2-Chloronaphthalene	ND		2.011	1.61		mg/kg dry	☼	80	50 - 112
2-Chlorophenol	ND		2.011	1.56		mg/kg dry	☼	77	43 - 107
2-Methylnaphthalene	ND		2.011	1.63		mg/kg dry	☼	81	52 - 102
2-Methylphenol	ND		2.011	1.62		mg/kg dry	☼	81	46 - 109
2-Nitroaniline	ND		2.011	1.53		mg/kg dry	☼	76	52 - 117
2-Nitrophenol	ND		2.011	1.56		mg/kg dry	☼	77	47 - 106
3 & 4 Methylphenol	ND		2.011	1.83		mg/kg dry	☼	91	38 - 128
3,3'-Dichlorobenzidine	ND		2.011	1.27	J	mg/kg dry	☼	63	41 - 105
3-Nitroaniline	ND		2.011	1.21		mg/kg dry	☼	60	35 - 119
4,6-Dinitro-2-methylphenol	ND		2.011	2.02		mg/kg dry	☼	101	42 - 121
4-Bromophenyl phenyl ether	ND		2.011	1.61		mg/kg dry	☼	80	59 - 115
4-Chloro-3-methylphenol	ND		2.011	1.50		mg/kg dry	☼	75	56 - 112
4-Chloroaniline	ND		2.011	0.966		mg/kg dry	☼	48	22 - 110
4-Chlorophenyl phenyl ether	ND		2.011	1.58		mg/kg dry	☼	79	59 - 104
4-Nitroaniline	ND		2.011	1.58		mg/kg dry	☼	79	50 - 135
4-Nitrophenol	ND		2.011	1.55	J	mg/kg dry	☼	77	41 - 125
Acenaphthene	ND		2.011	1.53		mg/kg dry	☼	76	58 - 104
Acenaphthylene	ND		2.011	1.68		mg/kg dry	☼	83	59 - 104
Anthracene	ND		2.011	1.62		mg/kg dry	☼	81	62 - 109
Benzo[a]anthracene	ND		2.011	1.67		mg/kg dry	☼	83	59 - 109
Benzo[a]pyrene	ND		2.011	1.50		mg/kg dry	☼	74	60 - 109
Benzo[b]fluoranthene	ND		2.011	1.50		mg/kg dry	☼	74	54 - 106
Benzo[g,h,i]perylene	ND		2.011	1.68		mg/kg dry	☼	83	56 - 128
Benzo[k]fluoranthene	ND		2.011	1.75		mg/kg dry	☼	87	56 - 124
Bis(2-chloroethoxy)methane	ND		2.011	1.60		mg/kg dry	☼	80	48 - 106
Bis(2-chloroethyl)ether	ND		2.011	1.46		mg/kg dry	☼	73	39 - 105
Bis(2-chloroisopropyl) ether	ND		2.011	1.68		mg/kg dry	☼	84	43 - 103
Bis(2-ethylhexyl) phthalate	ND		2.011	1.56		mg/kg dry	☼	78	60 - 106
Butyl benzyl phthalate	ND		2.011	1.53		mg/kg dry	☼	76	59 - 105
Chrysene	ND		2.011	1.63		mg/kg dry	☼	81	61 - 110
Dibenz[a,h]anthracene	ND		2.011	1.55		mg/kg dry	☼	77	62 - 119
Dibenzofuran	ND		2.011	1.60		mg/kg dry	☼	80	58 - 103
Diethyl phthalate	ND		2.011	1.61		mg/kg dry	☼	80	59 - 107
Dimethyl phthalate	ND		2.011	1.53		mg/kg dry	☼	76	58 - 106
Di-n-butyl phthalate	ND		2.011	1.67		mg/kg dry	☼	83	60 - 110
Di-n-octyl phthalate	ND		2.011	1.51		mg/kg dry	☼	75	58 - 109
Diphenylamine	ND		2.011	1.49		mg/kg dry	☼	74	51 - 94
Fluoranthene	ND		2.011	1.70		mg/kg dry	☼	84	62 - 113
Fluorene	ND		2.011	1.67		mg/kg dry	☼	83	60 - 107
Hexachlorobenzene	ND		2.011	1.56		mg/kg dry	☼	78	62 - 107
Hexachlorobutadiene	ND		2.011	1.62		mg/kg dry	☼	81	48 - 96
Hexachlorocyclopentadiene	ND		2.011	1.30	J	mg/kg dry	☼	65	10 - 111
Hexachloroethane	ND		2.011	1.57		mg/kg dry	☼	78	41 - 100
Isophorone	ND		2.011	1.59		mg/kg dry	☼	79	49 - 110

Method: 8270C - Acid and Base/Neutral Extractables by SW846 TRRP (Continued)

Lab Sample ID: 12F0010-MS1
Matrix: Solid
Analysis Batch: 12F0010

Client Sample ID: SB-2 1
Prep Type: Total
Prep Batch: 12F0010_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
Naphthalene	ND		2.011	1.66		mg/kg dry	☼	82	51 - 104
Nitrobenzene	ND		2.011	1.41		mg/kg dry	☼	70	46 - 106
N-Nitrosodi-n-propylamine	ND		2.011	1.73		mg/kg dry	☼	86	46 - 110
N-Nitrosodiphenylamine	ND		2.011	1.49		mg/kg dry	☼	74	46 - 97
Pentachloroethane	ND		2.011	1.52		mg/kg dry	☼	76	50 - 150
Pentachlorophenol	ND		2.011	1.45	J	mg/kg dry	☼	72	39 - 112
Phenanthrene	ND		2.011	1.73		mg/kg dry	☼	86	61 - 111
Phenol	ND		2.011	1.52		mg/kg dry	☼	76	46 - 117
Pyrene	ND		2.011	1.75		mg/kg dry	☼	87	61 - 106
Pyridine	ND		2.011	1.29		mg/kg dry	☼	64	25 - 86

Surrogate	*Matrix Spike %Recovery*	*Matrix Spike Qualifier*	*Limits*
2,4,6-Tribromophenol	*68*		*42 - 136*
2-Fluorobiphenyl	*72*		*42 - 129*
2-Fluorophenol	*70*		*36 - 114*
Nitrobenzene-d5	*71*		*40 - 122*
Phenol-d5	*72*		*38 - 125*
Terphenyl-d14	*73*		*44 - 127*

Lab Sample ID: 12F0010-MSD1
Matrix: Solid
Analysis Batch: 12F0010

Client Sample ID: SB-2 1
Prep Type: Total
Prep Batch: 12F0010_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	ND		2.014	1.60		mg/kg dry	☼	79	49 - 98	7	30
1,2-Diphenylhydrazine	ND		2.014	1.51		mg/kg dry	☼	75	53 - 128	5	30
2,4,5-Trichlorophenol	ND		2.014	1.66		mg/kg dry	☼	82	54 - 104	6	30
2,4,6-Trichlorophenol	ND		2.014	1.47		mg/kg dry	☼	73	53 - 103	7	30
2,4-Dichlorophenol	ND		2.014	1.68		mg/kg dry	☼	84	50 - 107	6	30
2,4-Dimethylphenol	ND		2.014	1.67		mg/kg dry	☼	83	43 - 102	7	30
2,4-Dinitrophenol	ND		2.014	2.61	M7	mg/kg dry	☼	130	10 - 113	4	30
2,4-Dinitrotoluene	ND		2.014	1.66		mg/kg dry	☼	82	55 - 110	4	30
2,6-Dinitrotoluene	ND		2.014	1.61		mg/kg dry	☼	80	58 - 104	6	30
2-Chloronaphthalene	ND		2.014	1.71		mg/kg dry	☼	85	50 - 112	6	30
2-Chlorophenol	ND		2.014	1.72		mg/kg dry	☼	85	43 - 107	10	30
2-Methylnaphthalene	ND		2.014	1.73		mg/kg dry	☼	86	52 - 102	6	30
2-Methylphenol	ND		2.014	1.78		mg/kg dry	☼	88	46 - 109	10	30
2-Nitroaniline	ND		2.014	1.67		mg/kg dry	☼	83	52 - 117	8	30
2-Nitrophenol	ND		2.014	1.67		mg/kg dry	☼	83	47 - 106	7	30
3 & 4 Methylphenol	ND		2.014	1.99		mg/kg dry	☼	99	38 - 128	9	30
3,3'-Dichlorobenzidine	ND		2.014	1.79	R2 J	mg/kg dry	☼	89	41 - 105	34	30
3-Nitroaniline	ND		2.014	1.44		mg/kg dry	☼	72	35 - 119	18	30
4,6-Dinitro-2-methylphenol	ND		2.014	2.06		mg/kg dry	☼	102	42 - 121	2	30
4-Bromophenyl phenyl ether	ND		2.014	1.65		mg/kg dry	☼	82	59 - 115	3	30
4-Chloro-3-methylphenol	ND		2.014	1.58		mg/kg dry	☼	79	56 - 112	5	30
4-Chloroaniline	ND		2.014	1.26		mg/kg dry	☼	63	22 - 110	27	30
4-Chlorophenyl phenyl ether	ND		2.014	1.64		mg/kg dry	☼	81	59 - 104	4	30
4-Nitroaniline	ND		2.014	1.73		mg/kg dry	☼	86	50 - 135	9	30
4-Nitrophenol	ND		2.014	1.66	J	mg/kg dry	☼	82	41 - 125	7	30

Method: 8270C - Acid and Base/Neutral Extractables by SW846 TRRP (Continued)

Lab Sample ID: 12F0010-MSD1
Matrix: Solid
Analysis Batch: 12F0010

Client Sample ID: SB-2
Prep Type: Total
Prep Batch: 12F0010_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	ND		2.014	1.59		mg/kg dry	☼	79	58 - 104	4	30
Acenaphthylene	ND		2.014	1.69		mg/kg dry	☼	84	59 - 104	0.7	30
Anthracene	ND		2.014	1.67		mg/kg dry	☼	83	62 - 109	3	30
Benzo[a]anthracene	ND		2.014	1.73		mg/kg dry	☼	86	59 - 109	3	30
Benzo[a]pyrene	ND		2.014	1.56		mg/kg dry	☼	77	60 - 109	4	30
Benzo[b]fluoranthene	ND		2.014	1.62		mg/kg dry	☼	81	54 - 106	8	30
Benzo[g,h,i]perylene	ND		2.014	1.74		mg/kg dry	☼	87	56 - 128	4	30
Benzo[k]fluoranthene	ND		2.014	1.77		mg/kg dry	☼	88	56 - 124	0.8	30
Bis(2-chloroethoxy)methane	ND		2.014	1.72		mg/kg dry	☼	86	48 - 106	7	30
Bis(2-chloroethyl)ether	ND		2.014	1.59		mg/kg dry	☼	79	39 - 105	9	30
Bis(2-chloroisopropyl) ether	ND		2.014	1.86		mg/kg dry	☼	92	43 - 103	10	30
Bis(2-ethylhexyl) phthalate	ND		2.014	1.66		mg/kg dry	☼	82	60 - 106	6	30
Butyl benzyl phthalate	ND		2.014	1.60		mg/kg dry	☼	79	59 - 105	4	30
Chrysene	ND		2.014	1.72		mg/kg dry	☼	85	61 - 110	5	30
Dibenz[a,h]anthracene	ND		2.014	1.59		mg/kg dry	☼	79	62 - 119	2	30
Dibenzofuran	ND		2.014	1.66		mg/kg dry	☼	82	58 - 103	3	30
Diethyl phthalate	ND		2.014	1.68		mg/kg dry	☼	83	59 - 107	4	30
Dimethyl phthalate	ND		2.014	1.59		mg/kg dry	☼	79	58 - 106	4	30
Di-n-butyl phthalate	ND		2.014	1.68		mg/kg dry	☼	83	60 - 110	0.6	30
Di-n-octyl phthalate	ND		2.014	1.60		mg/kg dry	☼	79	58 - 109	6	30
Diphenylamine	ND		2.014	1.48		mg/kg dry	☼	73	51 - 94	0.9	
Fluoranthene	ND		2.014	1.68		mg/kg dry	☼	84	62 - 113	0.7	
Fluorene	ND		2.014	1.67		mg/kg dry	☼	83	60 - 107	0.4	30
Hexachlorobenzene	ND		2.014	1.62		mg/kg dry	☼	81	62 - 107	4	30
Hexachlorobutadiene	ND		2.014	1.76		mg/kg dry	☼	87	48 - 96	8	30
Hexachlorocyclopentadiene	ND		2.014	1.45	J	mg/kg dry	☼	72	10 - 111	11	30
Hexachloroethane	ND		2.014	1.75		mg/kg dry	☼	87	41 - 100	10	30
Isophorone	ND		2.014	1.72		mg/kg dry	☼	85	49 - 110	8	30
Naphthalene	ND		2.014	1.78		mg/kg dry	☼	88	51 - 104	7	30
Nitrobenzene	ND		2.014	1.53		mg/kg dry	☼	76	46 - 106	8	30
N-Nitrosodi-n-propylamine	ND		2.014	1.89		mg/kg dry	☼	94	46 - 110	9	30
N-Nitrosodiphenylamine	ND		2.014	1.48		mg/kg dry	☼	73	46 - 97	0.9	30
Pentachloroethane	ND		2.014	1.66		mg/kg dry	☼	82	50 - 150	9	30
Pentachlorophenol	ND		2.014	1.65	J	mg/kg dry	☼	82	39 - 112	13	30
Phenanthrene	ND		2.014	1.75		mg/kg dry	☼	87	61 - 111	1	30
Phenol	ND		2.014	1.68		mg/kg dry	☼	83	46 - 117	10	30
Pyrene	ND		2.014	1.83		mg/kg dry	☼	91	61 - 106	4	30
Pyridine	ND		2.014	1.43		mg/kg dry	☼	71	25 - 86	10	30

Surrogate	*Matrix Spike Dup %Recovery*	*Matrix Spike Dup Qualifier*	*Limits*
2,4,6-Tribromophenol	*71*		*42 - 136*
2-Fluorobiphenyl	*78*		*42 - 129*
2-Fluorophenol	*78*		*36 - 114*
Nitrobenzene-d5	*78*		*40 - 122*
Phenol-d5	*80*		*38 - 125*
Terphenyl-d14	*76*		*44 - 127*

QC Sample Results

Client: TITAN Engineering, Inc.
Project/Site: 583-01

TestAmerica Job ID: AVE0225

Method: 6020 - Total Metals by SW846 Series Methods

Lab Sample ID: 12E0376-BLK1
Matrix: Solid
Analysis Batch: V000353

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 12E0376_P

Analyte	Blank Result	Blank Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.100	0.0229	mg/kg wet		05/31/12 10:35	05/31/12 15:44	1.00
Barium	0.00380	J	1.00	0.00186	mg/kg wet		05/31/12 10:35	05/31/12 15:44	1.00
Cadmium	ND		0.100	0.00250	mg/kg wet		05/31/12 10:35	05/31/12 15:44	1.00
Chromium	ND		0.100	0.0656	mg/kg wet		05/31/12 10:35	05/31/12 15:44	1.00
Lead	ND		0.100	0.00490	mg/kg wet		05/31/12 10:35	05/31/12 15:44	1.00
Selenium	ND		0.100	0.0372	mg/kg wet		05/31/12 10:35	05/31/12 15:44	1.00
Silver	ND		0.100	0.0240	mg/kg wet		05/31/12 10:35	05/31/12 15:44	1.00

Lab Sample ID: 12E0376-BS1
Matrix: Solid
Analysis Batch: V000353

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 12E0376_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	5.000	5.02		mg/kg wet		100	80 - 120
Barium	5.000	4.77	B	mg/kg wet		95	80 - 120
Cadmium	5.000	4.94		mg/kg wet		99	80 - 120
Chromium	5.000	5.09		mg/kg wet		102	80 - 120
Lead	5.000	4.97		mg/kg wet		99	80 - 120
Selenium	5.000	5.01		mg/kg wet		100	80 - 120
Silver	1.000	0.993		mg/kg wet		99	80 - 120

Lab Sample ID: 12E0376-MS1
Matrix: Solid
Analysis Batch: V000353

Client Sample ID: TMW-3 1
Prep Type: Total
Prep Batch: 12E0376_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	6.05		5.708	8.90	M1	mg/kg dry	☼	50	75 - 125
Barium	76.9	B	5.708	85.2	MHA B	mg/kg dry	☼	146	75 - 125
Cadmium	0.212	J	5.708	5.62		mg/kg dry	☼	95	75 - 125
Chromium	7.06		5.708	15.0	M1	mg/kg dry	☼	139	75 - 125
Lead	4.75		5.708	9.53		mg/kg dry	☼	84	75 - 125
Selenium	0.244	J	5.708	5.12		mg/kg dry	☼	85	75 - 125
Silver	ND		1.142	1.04		mg/kg dry	☼	91	75 - 125

Lab Sample ID: 12E0376-MSD1
Matrix: Solid
Analysis Batch: V000353

Client Sample ID: TMW-3 1
Prep Type: Total
Prep Batch: 12E0376_P

Analyte	Sample Result	Sample Qualifier	Spike Added	ıtrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	6.05		5.494	11.7	R2	mg/kg dry	☼	103	75 - 125	27	20
Barium	76.9	B	5.494	74.4	MHA B	mg/kg dry	☼	-46	75 - 125	14	20
Cadmium	0.212	J	5.494	5.38		mg/kg dry	☼	94	75 - 125	4	20
Chromium	7.06		5.494	15.0	M1	mg/kg dry	☼	145	75 - 125	0.08	20
Lead	4.75		5.494	9.66		mg/kg dry	☼	89	75 - 125	1	20
Selenium	0.244	J	5.494	4.83		mg/kg dry	☼	84	75 - 125	6	20
Silver	ND		1.099	0.981		mg/kg dry	☼	89	75 - 125	6	20

Method: 6020 - Total Metals by SW846 Series Methods (Continued)

Lab Sample ID: 12E0377-BLK1 — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total**
Analysis Batch: V000354 — **Prep Batch: 12E0377_P**

Analyte	Blank Result	Blank Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.100	0.0229	mg/kg wet		05/31/12 10:45	05/31/12 18:13	1.00
Barium	0.00370	J	1.00	0.00186	mg/kg wet		05/31/12 10:45	05/31/12 18:13	1.00
Cadmium	ND		0.100	0.00250	mg/kg wet		05/31/12 10:45	05/31/12 18:13	1.00
Chromium	ND		0.100	0.0656	mg/kg wet		05/31/12 10:45	05/31/12 18:13	1.00
Lead	ND		0.100	0.00490	mg/kg wet		05/31/12 10:45	05/31/12 18:13	1.00
Selenium	ND		0.100	0.0372	mg/kg wet		05/31/12 10:45	05/31/12 18:13	1.00
Silver	ND		0.100	0.0240	mg/kg wet		05/31/12 10:45	05/31/12 18:13	1.00

Lab Sample ID: 12E0377-BS1 — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total**
Analysis Batch: V000354 — **Prep Batch: 12E0377_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	5.000	5.08		mg/kg wet		102	80 - 120
Barium	5.000	5.06	B	mg/kg wet		101	80 - 120
Cadmium	5.000	4.94		mg/kg wet		99	80 - 120
Chromium	5.000	4.78		mg/kg wet		96	80 - 120
Lead	5.000	4.96		mg/kg wet		99	80 - 120
Selenium	5.000	5.11		mg/kg wet		102	80 - 120
Silver	1.000	1.00		mg/kg wet		100	80 - 120

Lab Sample ID: 12E0377-MS1 — **Client Sample ID: TMW-3 4**
Matrix: Solid — **Prep Type: Total**
Analysis Batch: V000354 — **Prep Batch: 12E0377_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	2.59		5.769	8.53		mg/kg dry	☼	103	75 - 125
Barium	89.0	B	5.769	166	MHA B	mg/kg dry	☼	1340	75 - 125
Cadmium	0.214	J	5.769	5.52		mg/kg dry	☼	92	75 - 125
Chromium	9.08		5.769	18.0	M1	mg/kg dry	☼	154	75 - 125
Lead	4.32		5.769	11.3		mg/kg dry	☼	121	75 - 125
Selenium	ND		5.769	4.82		mg/kg dry	☼	84	75 - 125
Silver	ND		1.154	1.04		mg/kg dry	☼	90	75 - 125

Lab Sample ID: 12E0377-MSD1 — **Client Sample ID: TMW-3 4.5**
Matrix: Solid — **Prep Type: Total**
Analysis Batch: V000354 — **Prep Batch: 12E0377_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	trix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	2.59		5.826	8.31		mg/kg dry	☼	98	75 - 125	3	20
Barium	89.0	B	5.826	130	MHA B	mg/kg dry	☼	698	75 - 125	25	20
Cadmium	0.214	J	5.826	6.20		mg/kg dry	☼	103	75 - 125	12	20
Chromium	9.08		5.826	20.1	M1	mg/kg dry	☼	189	75 - 125	11	20
Lead	4.32		5.826	11.5		mg/kg dry	☼	124	75 - 125	2	20
Selenium	ND		5.826	5.36		mg/kg dry	☼	92	75 - 125	11	20
Silver	ND		1.165	1.15		mg/kg dry	☼	99	75 - 125	10	20

Method: 7471A - Total Metals by SW846 Series Methods

Lab Sample ID: 12E0383-BLK1 — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total**
Analysis Batch: 12E0383 — **Prep Batch: 12E0383_P**

Analyte	Blank Result	Blank Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.100	0.00680	mg/kg wet		05/31/12 11:15	05/31/12 14:42	1.00

Lab Sample ID: 12E0383-BS1 — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total**
Analysis Batch: 12E0383 — **Prep Batch: 12E0383_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.4167	0.396		mg/kg wet		95	80 - 120

Lab Sample ID: 12E0383-MS1 — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total**
Analysis Batch: 12E0383 — **Prep Batch: 12E0383_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	ND		0.1554	0.167		mg/kg dry	☼	108	75 - 125

Lab Sample ID: 12E0383-MSD1 — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total**
Analysis Batch: 12E0383 — **Prep Batch: 12E0383_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND		0.1554	0.164		mg/kg dry	☼	106	75 - 125	2	20

Lab Sample ID: 12E0384-BLK1 — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total**
Analysis Batch: 12E0384 — **Prep Batch: 12E0384_P**

Analyte	Blank Result	Blank Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.100	0.00680	mg/kg wet		05/31/12 11:15	05/31/12 15:29	1.00

Lab Sample ID: 12E0384-BS1 — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total**
Analysis Batch: 12E0384 — **Prep Batch: 12E0384_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.4167	0.419		mg/kg wet		101	80 - 120

Lab Sample ID: 12E0384-MS1 — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total**
Analysis Batch: 12E0384 — **Prep Batch: 12E0384_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.0115		0.1683	0.185		mg/kg dry	☼	103	75 - 125

Lab Sample ID: 12E0384-MSD1 — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total**
Analysis Batch: 12E0384 — **Prep Batch: 12E0384_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.0115		0.1711	0.187		mg/kg dry	☼	103	75 - 125	0.9	20

Method: ASTM D2216-90 - General Chemistry Parameters

Lab Sample ID: 12E0286-DUP1 — **Client Sample ID: SB-5**
Matrix: Solid — **Prep Type: Total**
Analysis Batch: 12E0286 — **Prep Batch: 12E0286_P**

Analyte	Sample Result	Sample Qualifier		Duplicate Result	Duplicate Qualifier	Unit	D			RPD	RPD Limit
Dry Weight	77.4			77.6		%				0.2	20

Lab Sample ID: 12E0287-DUP1 — **Client Sample ID: SB-1 8.5**
Matrix: Solid — **Prep Type: Total**
Analysis Batch: 12E0287 — **Prep Batch: 12E0287_P**

Analyte	Sample Result	Sample Qualifier		Duplicate Result	Duplicate Qualifier	Unit	D			RPD	RPD Limit
Dry Weight	78.3			78.8		%				0.6	20

Method: SW846 9045C - General Chemistry Parameters

Lab Sample ID: 12E0365-BS1 — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total**
Analysis Batch: 12E0365 — **Prep Batch: 12E0365_P**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
pH			7.000	7.00		pH Units		100	90 - 110		

Lab Sample ID: 12E0365-DUP1 — **Client Sample ID: SB-4 1**
Matrix: Solid — **Prep Type: Total**
Analysis Batch: 12E0365 — **Prep Batch: 12E0365**

Analyte	Sample Result	Sample Qualifier		Duplicate Result	Duplicate Qualifier	Unit	D			RPD	RPD Limit
pH	9.79			9.83		pH Units				0.4	20

Lab Sample ID: 12E0366-BS1 — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total**
Analysis Batch: 12E0366 — **Prep Batch: 12E0366_P**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
pH			7.000	6.97		pH Units		100	90 - 110		

Lab Sample ID: 12E0366-DUP1 — **Client Sample ID: TMW-3 6.5**
Matrix: Solid — **Prep Type: Total**
Analysis Batch: 12E0366 — **Prep Batch: 12E0366_P**

Analyte	Sample Result	Sample Qualifier		Duplicate Result	Duplicate Qualifier	Unit	D			RPD	RPD Limit
pH	8.49			8.53		pH Units				0.5	20

Lab Chronicle

Client: TITAN Engineering, Inc.
Project/Site: 583-01

TestAmerica Job ID: AVE0225

Client Sample ID: TB 20120517

Date Collected: 05/17/12 07:00
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-01
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	5030B MS		1.00	12E0268_P	05/22/12 10:43	DY	TAL AUS
Total	Analysis	8260B		1.00	12E0268	05/22/12 17:02	DY	TAL AUS

Client Sample ID: SB-2 1

Date Collected: 05/17/12 08:10
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-02
Matrix: Solid
Percent Solids: 82.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	5030B MS		0.982	12E0270_P	05/22/12 12:45	BJP	TAL AUS
Total	Analysis	8260B		1.00	12E0270	05/22/12 20:41	BJP	TAL AUS
Total	Prep	3550B MS		1.00	12F0010_P	05/31/12 17:00	EF	TAL AUS
Total	Analysis	8270C		1.00	12F0010	06/02/12 11:56	LAT	TAL AUS
Total	Prep	3050B		0.962	12E0376_P	05/31/12 10:35	GWS	TAL AUS
Total	Analysis	6020		5.00	V000353	05/31/12 15:54	SFP	TAL AUS
Total	Prep	7471A / 245.5		0.938	12E0383_P	05/31/12 11:15	GWS	TAL AUS
Total	Analysis	7471A		1.00	12E0383	05/31/12 15:07	GWS	TAL AUS
Total	Prep	No Prep - WC		1.00	12E0286_P	05/23/12 16:30	RDO	TAL AUS
Total	Analysis	ASTM D2216-90		1.00	12E0286	05/24/12 10:27	RDO	TAL AUS
Total	Prep	No Prep - WC		1.00	12E0365_P	05/30/12 13:44	RDO	TAL AUS
Total	Analysis	SW846 9045C		1.00	12E0365	05/30/12 15:00	RDO	TAL AUS

Client Sample ID: SB-2 4

Date Collected: 05/17/12 08:15
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-03
Matrix: Solid
Percent Solids: 83.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	5030B MS		0.998	12E0270_P	05/22/12 12:45	BJP	TAL AUS
Total	Analysis	8260B		1.00	12E0270	05/22/12 21:05	BJP	TAL AUS
Total	Prep	3550B MS		1.00	12F0010_P	05/31/12 17:00	EF	TAL AUS
Total	Analysis	8270C		1.00	12F0010	06/02/12 12:18	LAT	TAL AUS
Total	Prep	3050B		0.787	12E0376_P	05/31/12 10:35	GWS	TAL AUS
Total	Analysis	6020		5.00	V000353	05/31/12 15:59	SFP	TAL AUS
Total	Prep	7471A / 245.5		0.923	12E0383_P	05/31/12 11:15	GWS	TAL AUS
Total	Analysis	7471A		1.00	12E0383	05/31/12 15:08	GWS	TAL AUS
Total	Prep	No Prep - WC		1.00	12E0286_P	05/23/12 16:30	RDO	TAL AUS
Total	Analysis	ASTM D2216-90		1.00	12E0286	05/24/12 10:29	RDO	TAL AUS
Total	Prep	No Prep - WC		1.00	12E0365_P	05/30/12 13:44	RDO	TAL AUS
Total	Analysis	SW846 9045C		1.00	12E0365	05/30/12 15:00	RDO	TAL AUS

Client Sample ID: SB-2 9.5

Lab Sample ID: AVE0225-04
Date Collected: 05/17/12 08:30
Matrix: Sol
Date Received: 05/18/12 08:45
Percent Solids: 83.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	5030B MS		0.990	12E0270_P	05/22/12 12:45	BJP	TAL AUS
Total	Analysis	8260B		1.00	12E0270	05/22/12 21:29	BJP	TAL AUS
Total	Prep	No Prep - WC		1.00	12E0286_P	05/23/12 16:30	RDO	TAL AUS
Total	Analysis	ASTM D2216-90		1.00	12E0286	05/24/12 10:31	RDO	TAL AUS

Client Sample ID: SB-3 1

Lab Sample ID: AVE0225-05
Date Collected: 05/17/12 09:05
Matrix: Solid
Date Received: 05/18/12 08:45
Percent Solids: 81.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	5030B MS		1.01	12E0270_P	05/22/12 12:45	BJP	TAL AUS
Total	Analysis	8260B		1.00	12E0270	05/22/12 21:52	BJP	TAL AUS
Total	Prep	3550B MS		0.998	12F0010_P	05/31/12 17:00	EF	TAL AUS
Total	Analysis	8270C		1.00	12F0010	06/02/12 14:37	LAT	TAL AUS
Total	Prep	3050B		0.935	12E0376_P	05/31/12 10:35	GWS	TAL AUS
Total	Analysis	6020		5.00	V000353	05/31/12 16:09	SFP	TAL AUS
Total	Prep	7471A / 245.5		0.968	12E0383_P	05/31/12 11:15	GWS	TAL AUS
Total	Analysis	7471A		1.00	12E0383	05/31/12 15:11	GWS	TAL AUS
Total	Prep	No Prep - WC		1.00	12E0286_P	05/23/12 16:30	RDO	TAL AUS
Total	Analysis	ASTM D2216-90		1.00	12E0286	05/24/12 10:33	RDO	TAL AUS
Total	Prep	No Prep - WC		1.00	12E0365_P	05/30/12 13:44	RDO	TAL AUS
Total	Analysis	SW846 9045C		1.00	12E0365	05/30/12 15:00	RDO	TAL AUS

Client Sample ID: SB-3 4.5

Lab Sample ID: AVE0225-06
Date Collected: 05/17/12 09:10
Matrix: Solid
Date Received: 05/18/12 08:45
Percent Solids: 83.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	5030B MS		1.01	12E0270_P	05/22/12 12:45	BJP	TAL AUS
Total	Analysis	8260B		1.00	12E0270	05/22/12 22:16	BJP	TAL AUS
Total	Prep	3550B MS		0.998	12F0010_P	05/31/12 17:00	EF	TAL AUS
Total	Analysis	8270C		1.00	12F0010	06/02/12 14:58	LAT	TAL AUS
Total	Prep	3050B		1.00	12E0376_P	05/31/12 10:35	GWS	TAL AUS
Total	Analysis	6020		5.00	V000353	05/31/12 16:14	SFP	TAL AUS
Total	Prep	7471A / 245.5		0.923	12E0383_P	05/31/12 11:15	GWS	TAL AUS
Total	Analysis	7471A		1.00	12E0383	05/31/12 15:12	GWS	TAL AUS
Total	Prep	No Prep - WC		1.00	12E0286_P	05/23/12 16:30	RDO	TAL AUS
Total	Analysis	ASTM D2216-90		1.00	12E0286	05/24/12 10:35	RDO	TAL AUS
Total	Prep	No Prep - WC		1.00	12E0365_P	05/30/12 13:44	RDO	TAL AUS
Total	Analysis	SW846 9045C		1.00	12E0365	05/30/12 15:00	RDO	TAL AUS

Lab Chronicle

Client: TITAN Engineering, Inc.
Project/Site: 583-01

TestAmerica Job ID: AVE0225

Client Sample ID: SB-4 1

Date Collected: 05/17/12 09:40
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-07
Matrix: Solid
Percent Solids: 85.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	5030B MS		0.992	12E0270_P	05/22/12 12:45	BJP	TAL AUS
Total	Analysis	8260B		1.00	12E0270	05/22/12 22:40	BJP	TAL AUS
Total	Prep	3550B MS		1.00	12F0010_P	05/31/12 17:00	EF	TAL AUS
Total	Analysis	8270C		1.00	12F0010	06/02/12 15:20	LAT	TAL AUS
Total	Prep	3050B		0.952	12E0376_P	05/31/12 10:35	GWS	TAL AUS
Total	Analysis	6020		5.00	V000353	05/31/12 16:19	SFP	TAL AUS
Total	Prep	7471A / 245.5		0.938	12E0383_P	05/31/12 11:15	GWS	TAL AUS
Total	Analysis	7471A		1.00	12E0383	05/31/12 15:13	GWS	TAL AUS
Total	Prep	No Prep - WC		1.00	12E0286_P	05/23/12 16:30	RDO	TAL AUS
Total	Analysis	ASTM D2216-90		1.00	12E0286	05/24/12 10:37	RDO	TAL AUS
Total	Prep	No Prep - WC		1.00	12E0365_P	05/30/12 13:44	RDO	TAL AUS
Total	Analysis	SW846 9045C		1.00	12E0365	05/30/12 15:00	RDO	TAL AUS

Client Sample ID: SB-4 4

Date Collected: 05/17/12 09:45
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-08
Matrix: Solid
Percent Solids: 85.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	5030B MS		0.986	12E0270_P	05/22/12 12:45	BJP	TAL AUS
Total	Analysis	8260B		1.00	12E0270	05/22/12 23:03	BJP	TAL AUS
Total	Prep	3550B MS		0.999	12F0010_P	05/31/12 17:00	EF	TAL AUS
Total	Analysis	8270C		1.00	12F0010	06/02/12 15:42	LAT	TAL AUS
Total	Prep	3050B		1.00	12E0376_P	05/31/12 10:35	GWS	TAL AUS
Total	Analysis	6020		5.00	V000353	05/31/12 16:24	SFP	TAL AUS
Total	Prep	7471A / 245.5		0.968	12E0383_P	05/31/12 11:15	GWS	TAL AUS
Total	Analysis	7471A		1.00	12E0383	05/31/12 15:15	GWS	TAL AUS
Total	Prep	No Prep - WC		1.00	12E0286_P	05/23/12 16:30	RDO	TAL AUS
Total	Analysis	ASTM D2216-90		1.00	12E0286	05/24/12 10:39	RDO	TAL AUS
Total	Prep	No Prep - WC		1.00	12E0365_P	05/30/12 13:44	RDO	TAL AUS
Total	Analysis	SW846 9045C		1.00	12E0365	05/30/12 15:00	RDO	TAL AUS

Client Sample ID: SB-5 1

Date Collected: 05/17/12 10:15
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-09
Matrix: Solid
Percent Solids: 81.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	5030B MS		0.982	12E0270_P	05/22/12 12:45	BJP	TAL AUS
Total	Analysis	8260B		1.00	12E0270	05/22/12 23:27	BJP	TAL AUS
Total	Prep	3550B MS		1.00	12F0010_P	05/31/12 17:00	EF	TAL AUS
Total	Analysis	8270C		1.00	12F0010	06/02/12 16:04	LAT	TAL AUS
Total	Prep	3050B		0.787	12E0376_P	05/31/12 10:35	GWS	TAL AUS
Total	Analysis	6020		5.00	V000353	05/31/12 16:28	SFP	TAL AUS
Total	Prep	7471A / 245.5		0.952	12E0383_P	05/31/12 11:15	GWS	TAL AUS
Total	Analysis	7471A		1.00	12E0383	05/31/12 15:19	GWS	TAL AUS
Total	Prep	No Prep - WC		1.00	12E0286_P	05/23/12 16:30	RDO	TAL AUS

Client Sample ID: SB-5 1

Lab Sample ID: AVE0225-09
Date Collected: 05/17/12 10:15
Matrix: Sol
Date Received: 05/18/12 08:45
Percent Solids: 81.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Analysis	ASTM D2216-90		1.00	12E0286	05/24/12 10:41	RDO	TAL AUS
Total	Prep	No Prep - WC		1.00	12E0365_P	05/30/12 13:44	RDO	TAL AUS
Total	Analysis	SW846 9045C		1.00	12E0365	05/30/12 15:00	RDO	TAL AUS

Client Sample ID: SB-5 5

Lab Sample ID: AVE0225-10
Date Collected: 05/17/12 10:20
Matrix: Solid
Date Received: 05/18/12 08:45
Percent Solids: 77.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	5030B MS		0.996	12E0270_P	05/22/12 12:45	BJP	TAL AUS
Total	Analysis	8260B		1.00	12E0270	05/23/12 10:55	BJP	TAL AUS
Total	Prep	3550B MS		0.999	12F0010_P	05/31/12 17:00	EF	TAL AUS
Total	Analysis	8270C		1.00	12F0010	06/02/12 16:26	LAT	TAL AUS
Total	Prep	3050B		0.952	12E0376_P	05/31/12 10:35	GWS	TAL AUS
Total	Analysis	6020		5.00	V000353	05/31/12 16:43	SFP	TAL AUS
Total	Prep	7471A / 245.5		0.833	12E0383_P	05/31/12 11:15	GWS	TAL AUS
Total	Analysis	7471A		1.00	12E0383	05/31/12 15:20	GWS	TAL AUS
Total	Prep	No Prep - WC		1.00	12E0286_P	05/23/12 16:30	RDO	TAL AUS
Total	Analysis	ASTM D2216-90		1.00	12E0286	05/24/12 10:43	RDO	TAL AUS
Total	Prep	No Prep - WC		1.00	12E0365_P	05/30/12 13:44	RDO	TAL AUS
Total	Analysis	SW846 9045C		1.00	12E0365	05/30/12 15:00	RDO	TAL AUS

Client Sample ID: SB-5 9

Lab Sample ID: AVE0225-11
Date Collected: 05/17/12 10:30
Matrix: Solid
Date Received: 05/18/12 08:45
Percent Solids: 81.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	5030B MS		0.994	12E0296_P	05/23/12 13:08	BJP	TAL AUS
Total	Analysis	8260B		1.00	12E0296	05/23/12 16:50	BJP	TAL AUS
Total	Prep	No Prep - WC		1.00	12E0286_P	05/23/12 16:30	RDO	TAL AUS
Total	Analysis	ASTM D2216-90		1.00	12E0286	05/24/12 10:47	RDO	TAL AUS

Client Sample ID: EB-20120517

Lab Sample ID: AVE0225-12
Date Collected: 05/17/12 10:50
Matrix: Water
Date Received: 05/18/12 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	5030B MS		1.00	12E0268_P	05/22/12 10:43	DY	TAL AUS
Total	Analysis	8260B		1.00	12E0268	05/22/12 17:30	DY	TAL AUS

Lab Chronicle

Client: TITAN Engineering, Inc.
Project/Site: 583-01

TestAmerica Job ID: AVE0225

Client Sample ID: SB-6 1

Date Collected: 05/17/12 11:15
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-13
Matrix: Solid
Percent Solids: 81.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	5030B MS		0.998	12E0296_P	05/23/12 13:08	BJP	TAL AUS
Total	Analysis	8260B		1.00	12E0296	05/23/12 17:14	BJP	TAL AUS
Total	Prep	3550B MS		1.00	12F0010_P	05/31/12 17:00	EF	TAL AUS
Total	Analysis	8270C		1.00	12F0010	06/02/12 17:10	LAT	TAL AUS
Total	Prep	3050B		0.990	12E0376_P	05/31/12 10:35	GWS	TAL AUS
Total	Analysis	6020		5.00	V000353	05/31/12 16:53	SFP	TAL AUS
Total	Prep	7471A / 245.5		0.938	12E0383_P	05/31/12 11:15	GWS	TAL AUS
Total	Analysis	7471A		1.00	12E0383	05/31/12 15:22	GWS	TAL AUS
Total	Prep	No Prep - WC		1.00	12E0286_P	05/23/12 16:30	RDO	TAL AUS
Total	Analysis	ASTM D2216-90		1.00	12E0286	05/24/12 10:49	RDO	TAL AUS
Total	Prep	No Prep - WC		1.00	12E0365_P	05/30/12 13:44	RDO	TAL AUS
Total	Analysis	SW846 9045C		1.00	12E0365	05/30/12 15:00	RDO	TAL AUS

Client Sample ID: SB-6 2.5

Date Collected: 05/17/12 11:20
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-14
Matrix: Solid
Percent Solids: 77.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	5030B MS		0.990	12E0296_P	05/23/12 13:08	BJP	TAL AUS
Total	Analysis	8260B		1.00	12E0296	05/24/12 00:21	BJP	TAL AUS
Total	Prep	3550B MS		0.998	12F0010_P	05/31/12 17:00	EF	TAL AUS
Total	Analysis	8270C		1.00	12F0010	06/02/12 17:32	LAT	TAL AUS
Total	Prep	3050B		0.980	12E0376_P	05/31/12 10:35	GWS	TAL AUS
Total	Analysis	6020		5.00	V000353	05/31/12 16:58	SFP	TAL AUS
Total	Prep	7471A / 245.5		0.822	12E0383_P	05/31/12 11:15	GWS	TAL AUS
Total	Analysis	7471A		1.00	12E0383	05/31/12 15:24	GWS	TAL AUS
Total	Prep	No Prep - WC		1.00	12E0286_P	05/23/12 16:30	RDO	TAL AUS
Total	Analysis	ASTM D2216-90		1.00	12E0286	05/24/12 10:51	RDO	TAL AUS
Total	Prep	No Prep - WC		1.00	12E0365_P	05/30/12 13:44	RDO	TAL AUS
Total	Analysis	SW846 9045C		1.00	12E0365	05/30/12 15:00	RDO	TAL AUS

Client Sample ID: SB-7 1

Date Collected: 05/17/12 11:50
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-15
Matrix: Solid
Percent Solids: 80.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	5030B MS		0.984	12E0296_P	05/23/12 13:08	BJP	TAL AUS
Total	Analysis	8260B		1.00	12E0296	05/23/12 17:38	BJP	TAL AUS
Total	Prep	3550B MS		0.998	12F0010_P	05/31/12 17:00	EF	TAL AUS
Total	Analysis	8270C		1.00	12F0010	06/02/12 17:54	LAT	TAL AUS
Total	Prep	3050B		0.917	12E0376_P	05/31/12 10:35	GWS	TAL AUS
Total	Analysis	6020		5.00	V000353	05/31/12 17:03	SFP	TAL AUS
Total	Prep	7471A / 245.5		0.968	12E0384_P	05/31/12 11:15	GWS	TAL AUS
Total	Analysis	7471A		1.00	12E0384	05/31/12 15:34	GWS	TAL AUS
Total	Prep	No Prep - WC		1.00	12E0286_P	05/23/12 16:30	RDO	TAL AUS

Lab Chronicle

Client: TITAN Engineering, Inc.
Project/Site: 583-01

TestAmerica Job ID: AVE0225

Client Sample ID: SB-7 1

Lab Sample ID: AVE0225-15
Date Collected: 05/17/12 11:50
Matrix: Sc
Date Received: 05/18/12 08:45
Percent Solids: 80.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Analysis	ASTM D2216-90		1.00	12E0286	05/24/12 10:53	RDO	TAL AUS
Total	Prep	No Prep - WC		1.00	12E0365_P	05/30/12 13:44	RDO	TAL AUS
Total	Analysis	SW846 9045C		1.00	12E0365	05/30/12 15:00	RDO	TAL AUS

Client Sample ID: SB-7 5

Lab Sample ID: AVE0225-16
Date Collected: 05/17/12 11:55
Matrix: Solid
Date Received: 05/18/12 08:45
Percent Solids: 82

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	5030B MS		1.00	12E0296_P	05/23/12 13:08	BJP	TAL AUS
Total	Analysis	8260B		1.00	12E0296	05/23/12 18:01	BJP	TAL AUS
Total	Prep	3550B MS		0.998	12F0010_P	05/31/12 17:00	EF	TAL AUS
Total	Analysis	8270C		1.00	12F0010	06/02/12 18:16	LAT	TAL AUS
Total	Prep	3050B		0.820	12E0376_P	05/31/12 10:35	GWS	TAL AUS
Total	Analysis	6020		5.00	V000353	05/31/12 17:08	SFP	TAL AUS
Total	Prep	7471A / 245.5		0.909	12E0384_P	05/31/12 11:15	GWS	TAL AUS
Total	Analysis	7471A		1.00	12E0384	05/31/12 15:36	GWS	TAL AUS
Total	Prep	No Prep - WC		1.00	12E0286_P	05/23/12 16:30	RDO	TAL AUS
Total	Analysis	ASTM D2216-90		1.00	12E0286	05/24/12 10:55	RDO	TAL AUS
Total	Prep	No Prep - WC		1.00	12E0365_P	05/30/12 13:44	RDO	TAL AUS
Total	Analysis	SW846 9045C		1.00	12E0365	05/30/12 15:00	RDO	TAL AUS

Client Sample ID: SB-7 7.5

Lab Sample ID: AVE0225-17
Date Collected: 05/17/12 12:00
Matrix: Solid
Date Received: 05/18/12 08:45
Percent Solids: 83.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	5030B MS		0.992	12E0296_P	05/23/12 13:08	BJP	TAL AUS
Total	Analysis	8260B		1.00	12E0296	05/23/12 18:25	BJP	TAL AUS
Total	Prep	No Prep - WC		1.00	12E0287_P	05/23/12 16:31	RDO	TAL AUS
Total	Analysis	ASTM D2216-90		1.00	12E0287	05/24/12 10:15	RDO	TAL AUS

Client Sample ID: TB-20120516

Lab Sample ID: AVE0225-18
Date Collected: 05/16/12 07:00
Matrix: Water
Date Received: 05/18/12 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	5030B MS		1.00	12E0268_P	05/22/12 10:43	DY	TAL AUS
Total	Analysis	8260B		1.00	12E0268	05/22/12 17:58	DY	TAL AUS

Lab Chronicle

Client: TITAN Engineering, Inc.
Project/Site: 583-01

TestAmerica Job ID: AVE0225

Client Sample ID: TMW-1 1

Lab Sample ID: AVE0225-19

Date Collected: 05/16/12 08:25
Date Received: 05/18/12 08:45

Matrix: Solid
Percent Solids: 77.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	5030B MS		0.998	12E0296_P	05/23/12 13:08	BJP	TAL AUS
Total	Analysis	8260B		1.00	12E0296	05/23/12 23:10	BJP	TAL AUS
Total	Prep	3550B MS		0.999	12E0350_P	05/29/12 17:00	EF	TAL AUS
Total	Analysis	8270C		1.00	12E0350	05/31/12 18:43	LAT	TAL AUS
Total	Prep	3050B		0.926	12E0376_P	05/31/12 10:35	GWS	TAL AUS
Total	Analysis	6020		5.00	V000353	05/31/12 17:18	SFP	TAL AUS
Total	Prep	7471A / 245.5		1.00	12E0384_P	05/31/12 11:15	GWS	TAL AUS
Total	Analysis	7471A		1.00	12E0384	05/31/12 15:38	GWS	TAL AUS
Total	Prep	No Prep - WC		1.00	12E0287_P	05/23/12 16:31	RDO	TAL AUS
Total	Analysis	ASTM D2216-90		1.00	12E0287	05/24/12 10:17	RDO	TAL AUS
Total	Prep	No Prep - WC		1.00	12E0365_P	05/30/12 13:44	RDO	TAL AUS
Total	Analysis	SW846 9045C		1.00	12E0365	05/30/12 15:00	RDO	TAL AUS

Client Sample ID: TMW-1 4.5

Lab Sample ID: AVE0225-20

Date Collected: 05/16/12 08:30
Date Received: 05/18/12 08:45

Matrix: Solid
Percent Solids: 76.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	5030B MS		0.988	12E0296_P	05/23/12 13:08	BJP	TAL AUS
Total	Analysis	8260B		1.00	12E0296	05/23/12 18:49	BJP	TAL AUS
Total	Prep	3550B MS		0.999	12E0350_P	05/29/12 17:00	EF	TAL AUS
Total	Analysis	8270C		1.00	12E0350	05/31/12 19:05	LAT	TAL AUS
Total	Prep	3050B		0.893	12E0376_P	05/31/12 10:35	GWS	TAL AUS
Total	Analysis	6020		5.00	V000353	05/31/12 17:23	SFP	TAL AUS
Total	Prep	7471A / 245.5		1.00	12E0384_P	05/31/12 11:15	GWS	TAL AUS
Total	Analysis	7471A		1.00	12E0384	05/31/12 15:40	GWS	TAL AUS
Total	Prep	No Prep - WC		1.00	12E0287_P	05/23/12 16:31	RDO	TAL AUS
Total	Analysis	ASTM D2216-90		1.00	12E0287	05/24/12 10:19	RDO	TAL AUS
Total	Prep	No Prep - WC		1.00	12E0365_P	05/30/12 13:44	RDO	TAL AUS
Total	Analysis	SW846 9045C		1.00	12E0365	05/30/12 15:00	RDO	TAL AUS

Client Sample ID: TMW-2 0.5

Lab Sample ID: AVE0225-21

Date Collected: 05/16/12 10:00
Date Received: 05/18/12 08:45

Matrix: Solid
Percent Solids: 82.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	5030B MS		0.990	12E0296_P	05/23/12 13:08	BJP	TAL AUS
Total	Analysis	8260B		1.00	12E0296	05/23/12 19:13	BJP	TAL AUS
Total	Prep	3550B MS		0.999	12E0350_P	05/29/12 17:00	EF	TAL AUS
Total	Analysis	8270C		1.00	12E0350	05/31/12 19:27	LAT	TAL AUS
Total	Prep	3050B		0.917	12E0376_P	05/31/12 10:35	GWS	TAL AUS
Total	Analysis	6020		5.00	V000353	05/31/12 17:28	SFP	TAL AUS
Total	Prep	7471A / 245.5		0.968	12E0384_P	05/31/12 11:15	GWS	TAL AUS
Total	Analysis	7471A		1.00	12E0384	05/31/12 15:41	GWS	TAL AUS
Total	Prep	No Prep - WC		1.00	12E0287_P	05/23/12 16:31	RDO	TAL AUS

Lab Chronicle

Client: TITAN Engineering, Inc.
Project/Site: 583-01

TestAmerica Job ID: AVE0225

Client Sample ID: TMW-2 0.5

Lab Sample ID: AVE0225-21

Date Collected: 05/16/12 10:00
Date Received: 05/18/12 08:45

Matrix: Solid
Percent Solids: 82.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Analysis	ASTM D2216-90		1.00	12E0287	05/24/12 10:21	RDO	TAL AUS
Total	Prep	No Prep - WC		1.00	12E0365_P	05/30/12 13:44	RDO	TAL AUS
Total	Analysis	SW846 9045C		1.00	12E0365	05/30/12 15:00	RDO	TAL AUS

Client Sample ID: TMW-2 4.5

Lab Sample ID: AVE0225-22

Date Collected: 05/16/12 10:05
Date Received: 05/18/12 08:45

Matrix: Solid
Percent Solids: 83.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	5030B MS		0.996	12E0296_P	05/23/12 13:08	BJP	TAL AUS
Total	Analysis	8260B		1.00	12E0296	05/23/12 19:36	BJP	TAL AUS
Total	Prep	3550B MS		1.00	12E0350_P	05/29/12 17:00	EF	TAL AUS
Total	Analysis	8270C		1.00	12E0350	05/31/12 19:49	LAT	TAL AUS
Total	Prep	3050B		1.00	12E0376_P	05/31/12 10:35	GWS	TAL AUS
Total	Analysis	6020		5.00	V000353	05/31/12 17:43	SFP	TAL AUS
Total	Prep	7471A / 245.5		1.00	12E0384_P	05/31/12 11:15	GWS	TAL AUS
Total	Analysis	7471A		1.00	12E0384	05/31/12 15:42	GWS	TAL AUS
Total	Prep	No Prep - WC		1.00	12E0287_P	05/23/12 16:31	RDO	TAL AUS
Total	Analysis	ASTM D2216-90		1.00	12E0287	05/24/12 10:23	RDO	TAL AUS
Total	Prep	No Prep - WC		1.00	12E0365_P	05/30/12 13:44	RDO	TAL AUS
Total	Analysis	SW846 9045C		1.00	12E0365	05/30/12 15:00	RDO	TAL AUS

Client Sample ID: TMW-3 1

Lab Sample ID: AVE0225-23

Date Collected: 05/16/12 11:00
Date Received: 05/18/12 08:45

Matrix: Solid
Percent Solids: 85.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	5030B MS		0.984	12E0296_P	05/23/12 13:08	BJP	TAL AUS
Total	Analysis	8260B		1.00	12E0296	05/23/12 20:01	BJP	TAL AUS
Total	Prep	3550B MS		1.00	12E0350_P	05/29/12 17:00	EF	TAL AUS
Total	Analysis	8270C		1.00	12E0350	05/31/12 20:11	LAT	TAL AUS
Total	Prep	3050B		0.917	12E0376_P	05/31/12 10:35	GWS	TAL AUS
Total	Analysis	6020		5.00	V000353	05/31/12 17:48	SFP	TAL AUS
Total	Prep	7471A / 245.5		0.938	12E0384_P	05/31/12 11:15	GWS	TAL AUS
Total	Analysis	7471A		1.00	12E0384	05/31/12 15:44	GWS	TAL AUS
Total	Prep	No Prep - WC		1.00	12E0287_P	05/23/12 16:31	RDO	TAL AUS
Total	Analysis	ASTM D2216-90		1.00	12E0287	05/24/12 10:25	RDO	TAL AUS
Total	Prep	No Prep - WC		1.00	12E0365_P	05/30/12 13:44	RDO	TAL AUS
Total	Analysis	SW846 9045C		1.00	12E0365	05/30/12 15:00	RDO	TAL AUS

Lab Chronicle

Client: TITAN Engineering, Inc.
Project/Site: 583-01

TestAmerica Job ID: AVE0225

Client Sample ID: TMW-3 4.5

Date Collected: 05/16/12 11:05
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-24
Matrix: Solid
Percent Solids: 85.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	5030B MS		0.996	12E0296_P	05/23/12 13:08	BJP	TAL AUS
Total	Analysis	8260B		1.00	12E0296	05/23/12 20:25	BJP	TAL AUS
Total	Prep	3550B MS		0.997	12E0350_P	05/29/12 17:00	EF	TAL AUS
Total	Analysis	8270C		1.00	12E0350	05/31/12 20:32	LAT	TAL AUS
Total	Prep	3050B		0.885	12E0377_P	05/31/12 10:45	GWS	TAL AUS
Total	Analysis	6020		5.00	V000354	05/31/12 18:23	SFP	TAL AUS
Total	Prep	7471A / 245.5		1.00	12E0384_P	05/31/12 11:15	GWS	TAL AUS
Total	Analysis	7471A		1.00	12E0384	05/31/12 15:45	GWS	TAL AUS
Total	Prep	No Prep - WC		1.00	12E0287_P	05/23/12 16:31	RDO	TAL AUS
Total	Analysis	ASTM D2216-90		1.00	12E0287	05/24/12 10:27	RDO	TAL AUS
Total	Prep	No Prep - WC		1.00	12E0366_P	05/30/12 13:48	RDO	TAL AUS
Total	Analysis	SW846 9045C		1.00	12E0366	05/30/12 17:15	RDO	TAL AUS

Client Sample ID: TMW-3 6.5

Date Collected: 05/16/12 11:15
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-25
Matrix: Solid
Percent Solids: 83.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	5030B MS		0.988	12E0296_P	05/23/12 13:08	BJP	TAL AUS
Total	Analysis	8260B		1.00	12E0296	05/23/12 20:49	BJP	TAL AUS
Total	Prep	No Prep - WC		1.00	12E0287_P	05/23/12 16:31	RDO	TAL AUS
Total	Analysis	ASTM D2216-90		1.00	12E0287	05/24/12 10:29	RDO	TAL AUS
Total	Analysis	SW846 9045C		1.00	12E0366	05/30/12 17:15		TAL AUS

Client Sample ID: EB-20120516

Date Collected: 05/16/12 12:00
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-26
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	5030B MS		1.00	12E0268_P	05/22/12 10:43	DY	TAL AUS
Total	Analysis	8260B		1.00	12E0268	05/22/12 18:26	DY	TAL AUS

Client Sample ID: TMW-4 1

Date Collected: 05/16/12 12:45
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-27
Matrix: Solid
Percent Solids: 81.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	5030B MS		0.994	12E0296_P	05/23/12 13:08	BJP	TAL AUS
Total	Analysis	8260B		1.00	12E0296	05/23/12 23:33	BJP	TAL AUS
Total	Prep	3550B MS		0.998	12E0369_P	05/30/12 17:00	EF	TAL AUS
Total	Analysis	8270C		1.00	12E0369	06/01/12 17:09	LAT	TAL AUS
Total	Prep	3050B		0.943	12E0377_P	05/31/12 10:45	GWS	TAL AUS
Total	Analysis	6020		5.00	V000354	05/31/12 19:02	SFP	TAL AUS
Total	Prep	7471A / 245.5		0.822	12E0384_P	05/31/12 11:15	GWS	TAL AUS

Client Sample ID: TMW-4 1

Lab Sample ID: AVE0225-27

Date Collected: 05/16/12 12:45
Matrix: Sol
Date Received: 05/18/12 08:45
Percent Solids: 81.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Analysis	7471A		1.00	12E0384	05/31/12 15:50	GWS	TAL AUS
Total	Prep	No Prep - WC		1.00	12E0287_P	05/23/12 16:31	RDO	TAL AUS
Total	Analysis	ASTM D2216-90		1.00	12E0287	05/24/12 10:31	RDO	TAL AUS
Total	Prep	No Prep - WC		1.00	12E0366_P	05/30/12 13:48	RDO	TAL AUS
Total	Analysis	SW846 9045C		1.00	12E0366	05/30/12 17:15	RDO	TAL AUS

Client Sample ID: TMW-4 4.5

Lab Sample ID: AVE0225-28

Date Collected: 05/16/12 12:50
Matrix: Solid
Date Received: 05/18/12 08:45
Percent Solids: 79.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	5030B MS		0.998	12E0296_P	05/23/12 13:08	BJP	TAL AUS
Total	Analysis	8260B		1.00	12E0296	05/23/12 21:12	BJP	TAL AUS
Total	Prep	3550B MS		0.999	12E0369_P	05/30/12 17:00	EF	TAL AUS
Total	Analysis	8270C		1.00	12E0369	06/01/12 17:31	LAT	TAL AUS
Total	Prep	3050B		1.00	12E0377_P	05/31/12 10:45	GWS	TAL AUS
Total	Analysis	6020		5.00	V000354	05/31/12 19:07	SFP	TAL AUS
Total	Prep	7471A / 245.5		0.896	12E0384_P	05/31/12 11:15	GWS	TAL AUS
Total	Analysis	7471A		1.00	12E0384	05/31/12 15:52	GWS	TAL AUS
Total	Prep	No Prep - WC		1.00	12E0287_P	05/23/12 16:31	RDO	TAL AUS
Total	Analysis	ASTM D2216-90		1.00	12E0287	05/24/12 10:33	RDO	TAL AUS
Total	Prep	No Prep - WC		1.00	12E0366_P	05/30/12 13:48	RDO	TAL AUS
Total	Analysis	SW846 9045C		1.00	12E0366	05/30/12 17:15	RDO	TAL AUS

Client Sample ID: TMW-5 1

Lab Sample ID: AVE0225-29

Date Collected: 05/16/12 13:55
Matrix: Solid
Date Received: 05/18/12 08:45
Percent Solids: 81.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	5030B MS		0.998	12E0296_P	05/23/12 13:08	BJP	TAL AUS
Total	Analysis	8260B		1.00	12E0296	05/23/12 21:36	BJP	TAL AUS
Total	Prep	3550B MS		1.00	12E0369_P	05/30/12 17:00	EF	TAL AUS
Total	Analysis	8270C		1.00	12E0369	06/01/12 17:53	LAT	TAL AUS
Total	Prep	3050B		0.840	12E0377_P	05/31/12 10:45	GWS	TAL AUS
Total	Analysis	6020		5.00	V000354	05/31/12 19:12	SFP	TAL AUS
Total	Prep	7471A / 245.5		0.822	12E0384_P	05/31/12 11:15	GWS	TAL AUS
Total	Analysis	7471A		1.00	12E0384	05/31/12 15:53	GWS	TAL AUS
Total	Prep	No Prep - WC		1.00	12E0287_P	05/23/12 16:31	RDO	TAL AUS
Total	Analysis	ASTM D2216-90		1.00	12E0287	05/24/12 10:35	RDO	TAL AUS
Total	Prep	No Prep - WC		1.00	12E0366_P	05/30/12 13:48	RDO	TAL AUS
Total	Analysis	SW846 9045C		1.00	12E0366	05/30/12 17:15	RDO	TAL AUS

Lab Chronicle

Client: TITAN Engineering, Inc.
Project/Site: 583-01

TestAmerica Job ID: AVE0225

Client Sample ID: TMW-5 4.5

Date Collected: 05/16/12 14:00
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-30
Matrix: Solid
Percent Solids: 79.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	5030B MS		0.994	12E0296_P	05/23/12 13:08	BJP	TAL AUS
Total	Analysis	8260B		1.00	12E0296	05/23/12 22:00	BJP	TAL AUS
Total	Prep	3550B MS		1.00	12E0369_P	05/30/12 17:00	EF	TAL AUS
Total	Analysis	8270C		1.00	12E0369	06/01/12 18:15	LAT	TAL AUS
Total	Prep	3050B		0.909	12E0377_P	05/31/12 10:45	GWS	TAL AUS
Total	Analysis	6020		5.00	V000354	05/31/12 19:17	SFP	TAL AUS
Total	Prep	7471A / 245.5		0.896	12E0384_P	05/31/12 11:15	GWS	TAL AUS
Total	Analysis	7471A		1.00	12E0384	05/31/12 15:55	GWS	TAL AUS
Total	Prep	No Prep - WC		1.00	12E0287_P	05/23/12 16:31	RDO	TAL AUS
Total	Analysis	ASTM D2216-90		1.00	12E0287	05/24/12 10:37	RDO	TAL AUS
Total	Prep	No Prep - WC		1.00	12E0366_P	05/30/12 13:48	RDO	TAL AUS
Total	Analysis	SW846 9045C		1.00	12E0366	05/30/12 17:15	RDO	TAL AUS

Client Sample ID: TMW-5 6

Date Collected: 05/16/12 14:05
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-31
Matrix: Solid
Percent Solids: 83.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	5030B MS		0.992	12E0296_P	05/23/12 13:08	BJP	TAL AUS
Total	Analysis	8260B		1.00	12E0296	05/23/12 22:23	BJP	TAL AUS
Total	Prep	No Prep - WC		1.00	12E0287_P	05/23/12 16:31	RDO	TAL AUS
Total	Analysis	ASTM D2216-90		1.00	12E0287	05/24/12 10:39	RDO	TAL AUS

Client Sample ID: SB-1 1

Date Collected: 05/16/12 14:45
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-32
Matrix: Solid
Percent Solids: 80.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	5030B MS		0.996	12E0296_P	05/23/12 13:08	BJP	TAL AUS
Total	Analysis	8260B		1.00	12E0296	05/23/12 23:57	BJP	TAL AUS
Total	Prep	3550B MS		0.998	12E0369_P	05/30/12 17:00	EF	TAL AUS
Total	Analysis	8270C		1.00	12E0369	06/01/12 18:59	LAT	TAL AUS
Total	Prep	3050B		1.00	12E0377_P	05/31/12 10:45	GWS	TAL AUS
Total	Analysis	6020		5.00	V000354	05/31/12 19:27	SFP	TAL AUS
Total	Prep	7471A / 245.5		1.00	12E0384_P	05/31/12 11:15	GWS	TAL AUS
Total	Analysis	7471A		1.00	12E0384	05/31/12 15:57	GWS	TAL AUS
Total	Prep	No Prep - WC		1.00	12E0287_P	05/23/12 16:31	RDO	TAL AUS
Total	Analysis	ASTM D2216-90		1.00	12E0287	05/24/12 10:41	RDO	TAL AUS
Total	Prep	No Prep - WC		1.00	12E0366_P	05/30/12 13:48	RDO	TAL AUS
Total	Analysis	SW846 9045C		1.00	12E0366	05/30/12 17:15	RDO	TAL AUS

Lab Chronicle

Client: TITAN Engineering, Inc.
Project/Site: 583-01

TestAmerica Job ID: AVE0225

Client Sample ID: SB-1 4.5

Date Collected: 05/16/12 14:50
Date Received: 05/18/12 08:45

Lab Sample ID: AVE0225-33

Matrix: So
Percent Solids: 76.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	5030B MS		0.986	12E0296_P	05/23/12 13:08	BJP	TAL AUS
Total	Analysis	8260B		1.00	12E0296	05/23/12 22:47	BJP	TAL AUS
Total	Prep	3550B MS		0.999	12E0369_P	05/30/12 17:00	EF	TAL AUS
Total	Analysis	8270C		1.00	12E0369	06/01/12 19:21	LAT	TAL AUS
Total	Prep	3050B		1.00	12E0377_P	05/31/12 10:45	GWS	TAL AUS
Total	Analysis	6020		5.00	V000354	05/31/12 19:42	SFP	TAL AUS
Total	Prep	7471A / 245.5		0.938	12E0384_P	05/31/12 11:15	GWS	TAL AUS
Total	Analysis	7471A		1.00	12E0384	05/31/12 15:59	GWS	TAL AUS
Total	Prep	No Prep - WC		1.00	12E0287_P	05/23/12 16:31	RDO	TAL AUS
Total	Analysis	ASTM D2216-90		1.00	12E0287	05/24/12 10:43	RDO	TAL AUS
Total	Prep	No Prep - WC		1.00	12E0366_P	05/30/12 13:48	RDO	TAL AUS
Total	Analysis	SW846 9045C		1.00	12E0366	05/30/12 17:15	RDO	TAL AUS

Laboratory References:

TAL AUS = TestAmerica Austin, 14050 Summit Drive, Suite A100, Austin, TX 78728, TEL 512-244-0855

Method Summary

Client: TITAN Engineering, Inc.
Project/Site: 583-01

TestAmerica Job ID: AVE0225

..nod	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds by SW846 8260B		TAL AUS
8270C	Acid and Base/Neutral Extractables by SW846 TRRP		TAL AUS
6020	Total Metals by SW846 Series Methods		TAL AUS
7471A	Total Metals by SW846 Series Methods		TAL AUS
ASTM D2216-90	General Chemistry Parameters		TAL AUS
SW846 9045C	General Chemistry Parameters		TAL AUS

Protocol References:

Laboratory References:

TAL AUS = TestAmerica Austin, 14050 Summit Drive, Suite A100, Austin, TX 78728, TEL 512-244-0855

Certification Summary

Client: TITAN Engineering, Inc.
Project/Site: 583-01

TestAmerica Job ID: AVE0225

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Austin	Arkansas DEQ	State Program	6	88-0685
TestAmerica Austin	California	State Program	9	2411
TestAmerica Austin	Kansas	NELAC	7	E-10165
TestAmerica Austin	Louisiana	NELAC	6	30736
TestAmerica Austin	North Carolina DENR	State Program	4	302
TestAmerica Austin	Oklahoma	State Program	6	8720
TestAmerica Austin	Pennsylvania	NELAC	3	68-04085
TestAmerica Austin	South Carolina	State Program	4	82003
TestAmerica Austin	Texas	NELAC	6	T104704217-11-9
TestAmerica Austin	USDA	Federal		P330-08-00046
TestAmerica Austin	Virginia	NELAC	3	460219

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

TestAmerica – Austin Laboratory Chain of Custody Addendum **Work Order Number** AVE0225

RECEIVED BY: LT CLIENT: TITAN Eng.

DATE/TIME RECEIVED: 5-18-12 / 0845 PROJECT: ~~TITAN~~ Al-Kel

UNPACKED DATE/TIME: 5-18-12 / 1020 LOGIN BY: LT LOGIN REVIEWED BY: DM

Number of Shipping Containers Received with COC: 2

VOC SAMPLES: ☐ YES **(IF YES, GO TO SECTIONS 1.0, 2.0, 6.0, & 7.0)**

1.0 CONTAINERS EXAMINED UPON RECEIPT: LT

Container Sealed: ☑ YES ☐ NO Custody Seal Present: ☑ YES ☐ NO Custody Seal Signed/Dated: ☑ YES ☐ NO

If seal not intact list air bill number of that container(s): _____

2.0 VOC CANISTERS EXAMINED UPON RECEIPT: _____

Canister Valves Closed: ☐ YES ☐ NO Canister Valves Capped: ☐ YES ☐ NO

Sample IDs match COC: ☐ YES ☐ NO Other Equipment Received: ☐ YES ☐ NO

Valve Cap Tightened Properly: ☐ YES ☐ NO Can Size: ☐ 6L ☐ 1L Other: _____

Packing Material Used: (circle) None / Absorbent / Paper / Bubble Wrap

Samples received in Tedlar bags ☐ N/A ☐ YES ☐ NO

3.0 CONDITION OF BOTTLES/CONTAINERS **VERIFIED BY:** LT

Sample IDs match COC: ☑ YES ☐ NO Bottles received intact: ☑ YES ☐ NO

See additional discrepancies/comments section: ☐ YES ☑ NO Samples received from USDA restricted area: ☐ YES ☑ NO

Chain-of-Custody form properly maintained: ☑ YES ☐ NO VOA trip blanks included: ☐ N/A ☑ YES ☐ NO

4.0 SAMPLE TEMPERATURE UPON RECEIPT BY: LT **IR THERMOMETER #:** ☑ P5 ☐ P7

Container(s) temperature: TB = Temp. Blank and/or SC = Sample Container CF = Correction Factor *[acceptable tolerance ≤6°C]*

TB ☑ SC ☐ Initial 4.6°C CF -0.3 Final 4.3°C	TB ☑ SC ☐ Initial 5.2°C CF -0.3 Final 4.9°C	TB ☐ SC ☐ Initial CF Final	TB ☐ SC ☐ Initial CF Final	TB ☐ SC ☐ Initial CF Final	TB ☐ SC ☐ Initial CF Final	TB ☐ SC ☐ Initial CF Final	TB ☐ SC ☐ Initial CF Final

If temperature is outside acceptable tolerance, Project Manager was notified (_____PM). Date: _____ Time: _____

Samples received do not require cooling _____ OK to analyze samples: ☐ YES ☐ NO

5.0 PRESERVATION CHECKS

PRESERVATION OF SAMPLES REQUIRED: ☑ N/A ☐ YES ☑ VOA Samples **VERIFIED BY:** LT

NOTE: pH CHECK OF SAMPLES PERFORMED AT TIME OF ANALYSIS BY BENCH ANALYST

pH CHECK OF VOLATILE SAMPLES PERFORMED AFTER ANALYSIS BY THE BENCH ANALYST.

Cyanide samples checked for sulfides: ☐ YES ☐ NO

Sulfide samples appear to be preserved with zinc acetate: ☐ YES ☐ NO

Chlorine checked per specification (EPA 335.x & N.C.) ☐ YES ☐ NO Free chlorine present: ☐ YES ☐ NO

If preservation is outside acceptable limit, PM notified (_____PM) Date/Time: _____

Volatile samples filled completely: ☑ YES ☐ NO [if no, list ID and approx. amt. of headspace (>6mm) in Comments Section 7.0]

6.0 SHIPPING DOCUMENTATION:

Air/freight bill is available and attached to COC: ☑ YES ☐ NO Air bill #: _____

Hand-delivered Carrier: _____ Date: _____ Time: _____

7.0 OTHER COMMENTS:

_____

_____

_____

8.0 CORRECTIVE ACTION:

Client's Name: _____ Informed verbally on: _____ By: _____

Client's Name: _____ Informed verbally on: _____ By: _____

Sample(s) processed "as is" comments: _____

Samples(s) on hold until: _____ If released, notify: _____

Project Management Login Review: _____ Date: 5/21/12

SIGNED ORIGINAL MUST BE RETAINED IN THE PROJECT FILE Revised 07/26/11

59910

Chain of Custody Record

Color 2 of 2

AVE0225

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TAL-4149 (1007)

Client: TITAN Eng	Project Manager: Brian Sims	Date: 5-17-11	Page 1 of 2
Address: 2801 Network Blvd Ste 200	Telephone Number (Area Code)/Fax Number: 469 365 1134	Lab Location	Analysis
City: Frisco; State: TX; Zip Code: 75034	Site Contact: Brian Sims		
Project Number/Name: Al-kel Alliance	Carrier/Waybill Number		
Contract/Purchase Order/Quote Number: PO 583-01 Quote 26000183			

Sample I.D. Number and Description	Date	Time	Sample Type	Containers Volume	Containers Type	Containers No.	Preservative	Condition on Receipt/Comments	VOC 8260	SVOC 8270	SVOC Extract	Metals 6020/7000	Metals extract	pH 9045
TB 20120517	5-17-12	700	Water	40 ml	VOA	2	HCl	4.3°C/25/5-18-12	X					
SB-2 1		810	Soil	4 oz	CG	2	4°C			X		X		X
SB-2 4		815								X		X		X
SB-2 9.5		830									X		X	
SB-3 1		905								X		X		X
SB3 4.5		910								X		X		X
SB-4 1		940								X		X		X
SB-4 4		945								X		X		X
SB-5 1		1015								X		X		X
SB-5 5		1020								X		X		X
SB-5 9		1030									X		X	
EB-20120517		1050	Water	40 ml	VOA	3	HCl		X					
SB-6 1		1115	Soil	4 oz	CG	2	4°C		X	X		X		X
SB-6 2.5		1120								X		X		X
SB-7 2		1150								X		X		X
SB-7 5		1155								X		X		X

Special Instructions: TRRP Reporting. Herbicides sent directly to Houston

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

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☒ Normal ☐ Rush ☐ Other ____

QC Level: ☐ I. ☐ II. ☐ III.

Project Specific Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	5-17-12	1500	1. Received By	5-18-12	0845
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Stays with the Sample: CANARY - Returned to Client with Report: PINK - Field Copy

6/4/2012

60008

Chain of Custody Record

Color 2 of 2

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TAL-4149 (1007)

Client: TITAN Eng	Project Manager: Brian Sims	Date: 5-17-11	Page 2 of 2
Address: 2801 Network Blvd Ste 200	Telephone Number (Area Code)/Fax Number: (469) 365-1134	Lab Location: Austin	Analysis
City: Frisco; State: TX; Zip Code: 75034	Site Contact: Brian Sims		
Project Number/Name: Al-Kel Alliance	Carrier/Waybill Number:		
Contract/Purchase Order/Quote Number: PO 583-01 Quote 26000183			

Sample I.D. Number and Description	Date	Time	Sample Type	Containers Volume	Containers Type	Containers No.	Preservative	Condition on Receipt/Comments	VOC 8260	SVOC 8270	SPLP Extract Metals 6020/7000	Metals Extract pH 9045
SB-7 7.5	5-17-12	1200	Soil	4oz	CG	2	4°C	4.3°C/2T/5-18-12	X	X	X	

Special Instructions: TRRP Reporting

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

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☒ Normal ☐ Rush ☐ Other ____

QC Level: ☐ I. ☐ II. ☐ III.

Project Specific Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished By	5-17-12	1500	1. Received By	5-18-12	0845
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

59917

Chain of Custody Record

Cooler 1 of 2

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TAL-4149 (1007)

Client	TITAN Engineering, Inc
Address	2501 Network Blvd Ste 200
City	Frisco
State	TX
Zip Code	75034
Project Manager	Brian Sims
Telephone Number (Area Code)/Fax Number	(469) 365-1134
Site Contact	Brian Sims
Carrier/Waybill Number	
Date	5-16-12
Lab Location	
Project Number/Name	Al-Kel Alliance
Contract/Purchase Order/Quote Number	PO # 583-01 Quote 26000183

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Sample I.D. Number and Description	Date	Time	Sample Type	Containers Volume	Containers Type	Containers No.	Preservative	Condition on Receipt/Comments	VOC 8260	SVOC 8270	SVOC Extract	Metals (6020/7000)	Metals Extract	pH 9045
TB-20120516	5/16/12	900	Water	40 ml	VOA	2	HCl	4.9°C / PT / 5-18-12	X					
TMW-1 1		825	Soil	4 oz	CG	2	4°C		X	X		X		X
TMW-1 4.5		830								X		X		X
TMW-2 0.5		1000								X		X		X
TMW-2 4.5		1005								X		X		X
TMW-3 1		1100								X		X		X
TMW-3 4.5		1105								X		X		X
TMW-3 6.5		1115									X		X	
EB-20120516		1200	Water	40 ml	VOA	3	HCl		X					
TMW4 1		1245	Soil	4 oz	CG	2	4°C		X	X		X		X
TMW-4 4.5		1250								X		X		X
TMW-5 1		1355								X		X		X
TMW-5 4.5		1400								X		X		X
TMW-5 6		1405									X		X	
SB-1 1		1445								X		X		X
SB-1 4.5		1450								X		X		X

Special Instructions: TRRP Reporting, Herbicides sent directly to Houston

Possible Hazard Identification: [X] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown

Sample Disposal: [ ] Return To Client [X] Disposal By Lab [ ] Archive For ____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: [X] Normal [ ] Rush [ ] Other ____

QC Level: [ ] I. [ ] II. [ ] III.

Project Specific Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished By	5-17-12	1500	1. Received By	5-18-12	0845
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

60014

Chain or Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Cooler 1 of 2

TAL-4149 (1007)

Client: TITAN Eng	Project Manager: Brian Sims	Date: 5-16-12	Page 2 of 2
Address: 2801 Network Blvd Ste 200	Telephone Number (Area Code)/Fax Number: (469) 365-1134	Lab Location:	
City: Frisco TX; State: TX; Zip Code: 75034	Site Contact: Brian Sims		
Project Number/Name: Al-Kel Alliance	Carrier/Waybill Number:		
Contract/Purchase Order/Quote Number: PO 583-01 Quote 26000183			

Sample I.D. Number and Description	Date	Time	Sample Type	Containers Volume	Containers Type	Containers No.	Preservative	Condition on Receipt/Comments	VOC 8260	SVOC 8270	SVOC Extract	Metals 6020/7000	Metals Extract	pH 9045
SB-1 8.5	5-16-12	1500	Soil	4oz	GG	2	4°C	4.9°C/LT/5-18-12			X		X	

NFGBK

Special Instructions

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

Sample Disposal: ☐ Return To Client ☑ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☑ Normal ☐ Rush ☐ Other ____

QC Level: ☐ I. ☐ II. ☐ III.

Project Specific Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished By: [signature]	5-17-12	1500	1. Received By: [signature]	5-18-12	0845
2. Relinquished By:			2. Received By:		
3. Relinquished By:			3. Received By:		

Comments

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

Appendix A Laboratory Data Package Cover Page

This data package is for Job No. AVE0225 and laboratory batch no(s):12E0268,12E0270,12E0286,12E0287,12E0296,12E0315,12E0350,12E0365,12E0366,12E0369,12E0376,12E0377,12E0383,12E0384,12F0010 and consists of:

This signature page, the laboratory review checklist, and the following reportable data:

- ☑ R1 Field chain-of-custody documentation;
- ☑ R2 Sample identification cross-reference;
- ☑ R3 Test reports (analytical data sheets) for each environmental sample that includes:
  - a) Items consistent with NELAC Chapter 5,
  - b) dilution factors,
  - c) preparation methods,
  - d) cleanup methods, and
  - e) if required for the project, tentatively identified compounds (TICs).
- ☑ R4 Surrogate recovery data including:
  - a) Calculated recovery (%R), and
  - b) The laboratory's surrogate QC limits.
- ☑ R5 Test reports/summary forms for blank samples;
- ☑ R6 Test reports/summary forms for laboratory control samples (LCSs) including:
  - a) LCS spiking amounts,
  - b) Calculated %R for each analyte, and
  - c) The laboratory's LCS QC limits.
- ☑ R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
  - a) Samples associated with the MS/MSD clearly identified,
  - b) MS/MSD spiking amounts,
  - c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
  - d) Calculated %Rs and relative percent differences (RPDs), and
  - e) The laboratory's MS/MSD QC limits
- ☑ R8 Laboratory analytical duplicate (if applicable) recovery and precision:
  - a) the amount of analyte measured in the duplicate,
  - b) the calculated RPD, and
  - c) the laboratory's QC limits for analytical duplicates.
- ☑ R9 List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix:
- ☑ R10 Other problems or anomalies.

The Exception Report for each "No" or "Not Reviewed (NR)" item in Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

Release Statement:I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the Exception Reports. By my signature below, I affirm to the best of my knowledge all problems/anomalies observed by the laboratory have been identified in the Laboratory Review

Check, if applicable: [ ] This laboratory meets an exception under 30 TAC §25.6 and was last inspection by [ ] TCEQ or [ ] _____ on **(enter date of last inspection)**. Any findings affecting the data in this laboratory data package are noted in the Exception Reports herein. The official signing the cover page of the report in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.

Neal Salcher	Neal Salcher	Project Manager	Monday, June 4, 2012
Name (Printed)	Signature	Official Title (Printed)	Date

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name:	TestAmerica Austin	LRC Date:	06/04/12
Project Name:	Al-Kel	Laboratory Job Number:	AVE0225
Reviewer Name:	RJL	Prep Batch Number(s):	12E0268,12E0270,12E0286,12E0287,12E0296,12E0315,12E0350,12E0365,12E0366,12E0369,12E0376,12E0377,12E0383,12E0384,12F0010

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
R1		**Chain-of-custody (C-O-C)**					
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?	X				
R2		**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3		**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?	X				
		Were % moisture (or solids) reported for all soil and sediment samples?	X				
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW846 Method 5035?			X		
		If required for the project, TICs reported?			X		
R4		**Surrogate recovery data**					
		Were surrogates added prior to extraction?	X				
		Were surrogate percent recoveries in all samples within the laboratory QC limits?	X				
R5		**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6		**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?		X			A001
		Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?	X				
R7		**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?		X			A002
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?		X			A003
		Were MS/MSD RPDs within laboratory QC limits?		X			A004
R8		**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?	X				
		Were analytical duplicates analyzed at the appropriate frequency?	X				
		Were RPDs or relative standard deviations within the laboratory QC limits?	X				
R9		**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10		**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Was applicable and available technology used to lower the SDL minimize the matrix interference affects on the sample results?	X				
		Is the laboratory NELAP-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?		X			A005

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;

4. NR = Not reviewed;
5. ER# = Exception Report Identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name:	TestAmerica Austin	LRC Date:	06/04/12
Project Name:	Al-Kel	Laboratory Job Number:	AVE0225
Reviewer Name:	RJL	Prep Batch Number(s):	12E0268,12E0270,12E0286,12E0287,12E0296,12E0315,12E0350,12E0365,12E0366,12E0369,12E0376,12E0377,12E0383,12E0384,12F0010

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1		**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?	X				
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2		**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?			X		
S3		**Mass spectral tuning:**					
		Was the appropriate compound for the method used for tuning?	X				
		Were ion abundance data within the method-required QC limits?	X				
S4		**Internal standards (IS):**					
		Were IS area counts and retention times within the method-required QC limits?	X				
S5		**Raw data (NELAC section 1 appendix A glossary, and section 5.12 or ISO/IEC 17025 section**					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?	X				
S6		**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7		**Tentatively identified compounds (TICs):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8		**Interference Check Sample (ICS) results:**					
		Were percent recoveries within method QC limits?	X				
S9		**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?	X				
S10		**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11		**Proficiency test reports:**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12		**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13		**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14		**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5C or ISO/IEC 4?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15		**Verification/validation documentation for methods (NELAC Chap 5 or ISO/IEC 17025 Section 5)**					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16		**Laboratory standard operating procedures (SOPs):**					
		Are laboratory SOPs current and on file for each method performed?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

RG-366/TRRP-13 December 2002

Appendix A (cont'd): Laboratory Review Checklist: Exception Reports

Laboratory Name:	TestAmerica Austin	LRC Date:	06/04/12
Project Name:	Al-Kel	Laboratory Job Number:	AVE0225
Reviewer Name:	RJL	Prep Batch Number(s):	12E0268,12E0270,12E0286,12E0287,12E0296,12E0315,12E0350,12E0365,12E0366,12E0369,12E0376,12E0377,12E0383,12E0384,12F0010

ER#[1]	Description
A001	LCS Recovery for 1,1-Dichloroethane (139%) was outside acceptance limits (61-121) in 12E0270-BS1 for 8260B TRRP - Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted. LCS Recovery for Chloroform (125%) was outside acceptance limits (62-122) in 12E0270-BS1 for 8260B TRRP - Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted. LCS Recovery for 1,1-Dichloroethane (133%) was outside acceptance limits (61-121) in 12E0270-BSD1 for 8260B TRRP - Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted. LCS Recovery for 1,1-Dichloroethane (131%) was outside acceptance limits (61-121) in 12E0296-BS1 for 8260B TRRP - Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted. LCS Recovery for 1,1-Dichloroethane (127%) was outside acceptance limits (61-121) in 12E0296-BSD1 for 8260B TRRP - Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted. LCS Recovery for 2,4-Dinitrophenol (123%) was outside acceptance limits (10-113) in 12E0350-BS1 for 8270C TRRP - Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted. LCS Recovery for 2,4-Dinitrophenol (118%) was outside acceptance limits (10-113) in 12E0369-BS1 for 8270C TRRP - Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted. LCS Recovery for Bis(2-chloroethoxy)methane (110%) was outside acceptance limits (48-106) in 12E0369-BS1 for 8270C TRRP - Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted. LCS Recovery for 2,4-Dinitrophenol (121%) was outside acceptance limits (10-113) in 12F0010-BS1 for 8270C TRRP - Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
A002	No MS/MSD was analyzed in 8260B solid batch [12E0264] due to insufficient sample available. A LCS/LCSD pair was analyzed to provide accuracy and precision measurements. No MS/MSD was analyzed in 8260B solid-extr batch [12E0317] due to insufficient sample available. A LCS/LCSD pair was analyzed to provide accuracy and precision measurements. No MS/MSD was analyzed in 8260B water batch [12E0268] due to instrument stoppage. A LCS/LCSD pair was reported to provide accuracy and precision measurements.

Appendix A (cont'd): Laboratory Review Checklist: Exception Reports

Laboratory Name:	TestAmerica Austin	LRC Date:	06/04/12
Project Name:	Al-Kel	Laboratory Job Number:	AVE0225
Reviewer Name:	RJL	Prep Batch Number(s):	12E0268,12E0270,12E0286,12E0287,12E0296,12E0315,12E0350,12E0365,12E0366,12E0369,12E0376,12E0377,12E0383,12E0384,12F0010

ER#[1]	Description
A003	Matrix Spike Recovery for Bromoethane (69%) was outside acceptance limits (70-130) in 12E0270-MSD1 for 8260B TRRP - The MS and/or MSD were below the acceptance limits. See Blank Spike (LCS). Matrix Spike Recovery for Dibromomethane (68%) was outside acceptance limits (69-129) in 12E0296-MS1 for 8260B TRRP - The MS and/or MSD were below the acceptance limits. See Blank Spike (LCS). Matrix Spike Recovery for 2,4-Dinitrophenol (128%) was outside acceptance limits (10-113) in 12E0350-MS1 for 8270C TRRP - The MS and/or MSD were above the acceptance limits. See Blank Spike (LCS). Matrix Spike Recovery for 2,4-Dinitrophenol (134%) was outside acceptance limits (10-113) in 12E0350-MSD1 for 8270C TRRP - The MS and/or MSD were above the acceptance limits. See Blank Spike (LCS). Matrix Spike Recovery for Phenanthrene (119%) was outside acceptance limits (61-111) in 12E0350-MSD1 for 8270C TRRP - The MS and/or MSD were above the acceptance limits. See Blank Spike (LCS). Matrix Spike Recovery for 2,4-Dinitrophenol (125%) was outside acceptance limits (10-113) in 12F0010-MS1 for 8270C TRRP - The MS and/or MSD were above the acceptance limits. See Blank Spike (LCS). Matrix Spike Recovery for 2,4-Dinitrophenol (130%) was outside acceptance limits (10-113) in 12F0010-MSD1 for 8270C TRRP - The MS and/or MSD were above the acceptance limits. See Blank Spike (LCS). Matrix Spike Recovery for Arsenic (50%) was outside acceptance limits (75-125) in 12E0376-MS1 for 6020 - Arsenic TRRP - The MS and/or MSD were outside the acceptance limits due to sample matrix interference. See Blank Spike (LCS). Matrix Spike Recovery for Barium (146%) was outside acceptance limits (75-125) in 12E0376-MS1 for 6020 - Barium TRRP - Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information. See Blank Spike (LCS). Matrix Spike Recovery for Chromium (139%) was outside acceptance limits (75-125) in 12E0376-MS1 for 6020 - Chromium TRRP - The MS and/or MSD were outside the acceptance limits due to sample matrix interference. See Blank Spike (LCS). Matrix Spike Recovery for Barium (-46%) was outside acceptance limits (75-125) in 12E0376-MSD1 for 6020 - Barium TRRP - Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information. See Blank Spike (LCS). Matrix Spike Recovery for Chromium (145%) was outside acceptance limits (75-125) in 12E0376-MSD1 for 6020 - Chromium TRRP - The MS and/or MSD were outside the acceptance limits due to sample matrix interference. See Blank Spike (LCS). Matrix Spike Recovery for Barium (1340%) was outside acceptance limits (75-125) in 12E0377-MS1 for 6020 - Barium TRRP - Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information. See Blank Spike (LCS). Matrix Spike Recovery for Chromium (154%) was outside acceptance limits (75-125) in 12E0377-MS1 for 6020 - Chromium TRRP - The MS and/or MSD were outside the acceptance limits due to sample matrix interference. See Blank Spike (LCS). Matrix Spike Recovery for Barium (698%) was outside acceptance limits (75-125) in 12E0377-MSD1 for 6020 - Barium TRRP - Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information. See Blank Spike (LCS). Matrix Spike Recovery for Chromium (189%) was outside acceptance limits (75-125) in 12E0377-MSD1 for 6020 - Chromium TRRP - The MS and/or MSD were outside the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
A004	Matrix Spike Duplicate RPD for 3,3'-Dichlorobenzidine (34%) was above the acceptance limit (30) in 12F0010-MSD1 for 8270C TRRP - The RPD exceeded the acceptance limit. Matrix Spike Duplicate RPD for Arsenic (27%) was above the acceptance limit (20) in 12E0376-MSD1 for 6020 - Arsenic TRRP - The RPD exceeded the acceptance limit. Matrix Spike Duplicate RPD for Barium (25%) was above the acceptance limit (20) in 12E0377-MSD1 for 6020 - Barium TRRP - Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information. See Blank Spike (LCS).

Appendix A (cont'd): Laboratory Review Checklist: Exception Reports

Laboratory Name:	TestAmerica Austin	LRC Date:	06/04/12
Project Name:	Al-Kel	Laboratory Job Number:	AVE0225
Reviewer Name:	RJL	Prep Batch Number(s):	12E0268,12E0270,12E0286,12E0287,12E0296,12E0315,12E0350,12E0365,12E0366,12E0369,12E0376,12E0377,12E0383,12E0384,12F0010

ER# [1]	Description
A005	TestAmerica Austin is not currently Texas NELAC certified for Diphenylamine or Hexachlorocyclopentadiene by 8270 for solids. We are in the process of adding additional analytes that the state did not originally offer for certification.

1. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on the LRC)

RG-366/TRRP-13 December 2002

Detectability Check Standard (DCS)

Method: 6020
Matrix: Soil
Date: 02/29/12
Units: mg/kg

ANALYTE	CURRENT SDL (mg/kg)	SPIKE RANGE		SPIKE	MEAS VALUE
		MINIMUM	MAXIMUM		
Chromium	0.0656	0.0656	0.1968	0.0600	0.0970
Arsenic	0.0229	0.0229	0.0686	0.0132	0.0174
Selenium	0.0372	0.0372	0.1116	0.0466	0.0593
Silver	0.0240	0.0240	0.0720	0.0065	0.0079
Cadmium	0.0025	0.0025	0.0075	0.0036	0.0046
Barium	0.0019	0.0019	0.0056	0.0056	0.0063
Lead	0.0032	0.0032	0.0095	0.0032	0.0056

SDL = Sample Detection Limit

The Detectability Check Standard (DCS) meets the requirements as stated in TRRP-13, Section 2.1.2, Reportable Data, May 2010 Revision.

Detectability Check Standard (DCS)

Method: Mercury
Matrix: Soil
Date Analyzed: 03/07/12
Units: mg/kg

ANALYTE	CURRENT SDL (mg/kg)	SPIKE RANGE		SPIKE	MEAS VALUE
		MINIMUM	MAXIMUM		
Mercury	0.0068	0.0068	0.0204	0.0042	0.0034

SDL = Sample Detection Limit

The Detectability Check Standard (DCS) meets the requirements as stated in TRRP-13, Section 2.1.2, Reportable Data, May 2010 Revision.

Detectability Check Standard (DCS)

Method: 8260
Matrix: Soil - Low Level
Date: 02/27/12
Units: ug/kg

ANALYTE	CURRENT SDL (ug/kg)	SPIKE RANGE		SPIKE	MEAS VALUE
		MINIMUM	MAXIMUM		
Dichlorodifluoromethane	10	10	30	20	11.694
Chloromethane	3.02	3.02	9.06	5	5.3542
Vinyl Chloride	1.47	1.47	4.41	2	2.1679
1,3-Butadiene	1.54	1.54	4.62	2	2.1889
Ethylene Oxide	17.512	17.512	52.536	50	66.3003
Bromomethane	0.921	0.921	2.763	2	2.2662
Chloroethane	1.53	1.53	4.59	2	2.4282
Ethanol	110	110	330	125	247.5296
Trichlorofluoromethane	1.04	1.04	3.12	2	2.8172
Acrolein	5.38	5.38	16.14	10	5.8746
Acetonitrile	7.73	7.73	23.19	10	17.7609
Acetone	4.76	4.76	14.28	5	4.5651
Diethyl ether	1.04	1.04	3.12	2	1.4605
Iodomethane	0.615	0.615	1.845	1	0.8425
1,1-Dichloroethene	0.862	0.862	2.586	2	2.7059
Bromoethane	1.12	1.12	3.36	2	1.8964
1,1,2-Trichlorotrifluoroethane	1.45	1.45	4.35	2	1.9324
Carbon Disulfide	0.996	0.996	2.988	2	1.838
Acrylonitrile	6.57	6.57	19.71	10	6.3
3-Chloropropene	1.21	1.21	3.63	2	2.05
Methylene Chloride	1.06	1.06	3.18	2	2.44
Methyl Acetate	6.53	6.53	19.59	12.5	13.1587
t-Butanol	227	227	681	250	232.9041
trans-1,2-Dichloroethene	0.849	0.849	2.547	2	2.7125
Methyl t-Butyl Ether	0.864	0.864	2.592	2	1.5969
Propanenitrile	7.9	7.9	23.7	10	6.7847
1,1-Dichloroethane	0.675	0.675	2.025	2	2.6845
Vinyl Acetate	3.21	3.21	9.63	5	4.3248
2-Chloro-1,3-Butadiene	1.34	1.34	4.02	2	2.0406
Hexane	1.27	1.27	3.81	2	2.0967
Methyl Ethyl Ketone	4.6	4.6	13.8	5	24.9931
Methacrylonitrile	6.24	6.24	18.72	10	7.3095
Isopropyl Ether	0.893	0.893	2.679	2	2.1723
cis-1,2-Dichloroethene	0.635	0.635	1.905	1	1.2559
2,2-Dichloropropane	1.41	1.41	4.23	2	2.4926
Bromochloromethane	0.797	0.797	2.391	2	2.3364
Chloroform	0.73	0.73	2.19	2	2.7564
Ethyl Acetate	15.5	15.5	46.5	25	26.3825
Tetrahydrofuran	4.79	4.79	14.37	5	5.2419

The Detectability Check Standard (DCS) meets the requirements as stated in TRRP-13, Section 2.1.2, Reportable Data, May 2010 Revision.

Isobutyl Alcohol	148	148	444	250	269.3445
1,1,1-Trichloroethane	1.29	1.29	3.87	2	2.7368
1,2-Dichloroethane	0.861	0.861	2.583	2	2.4133
1,1-Dichloropropene	0.993	0.993	2.979	2	2.771
Cyclohexane	1.47	1.47	4.41	2	2.2534
Benzene	0.78	0.78	2.34	2	2.8248
Carbon Tetrachloride	1.14	1.14	3.42	2	3.0178
n-Butanol	119	119	357	250	129.9728
1,2-Dichloropropane	0.681	0.681	2.043	2	2.6261
Trichloroethene	0.946	0.946	2.838	2	2.898
Dibromomethane	0.887	0.887	2.661	2	2.0483
2-Nitropropane	5.24	5.24	15.72	10	8.4622
Bromodichloromethane	0.683	0.683	2.049	2	2.7328
1,4-Dioxane	160	160	480	250	312.631
Methyl Methacrylate	1.78	1.78	5.34	5	3.8821
Methyl Cyclohexane	3.61	3.61	10.83	5	6.5339
Epichlorohydrin	11.2	11.2	33.6	25	20.7538
1-Bromo-2-Chloroethane	1.07	1.07	3.21	2	1.9299
2-Chloroethyl Vinyl Ether	0.754	0.754	2.262	2	1.3084
cis-1,3-Dichloropropene	1.31	1.31	3.93	2	2.3317
4-Methyl-2-Pentanone	2.56	2.56	7.68	5	4.462
4-Methyl-2-pentanol (MIBC)	50	50	150	50	19.0939
trans-1,3-Dichloropropene	1.65	1.65	4.95	2	2.0736
Toluene	0.992	0.992	2.976	2	2.9745
1,1,2-Trichloroethane	2.22	2.22	6.66	5	6.61
1,3-Dichloropropane	2.17	2.17	6.51	5	6.8248
Ethyl Methacrylate	1.75	1.75	5.25	5	3.7527
2-Hexanone	3.43	3.43	10.29	5	4.2339
Dibromochloromethane	1.78	1.78	5.34	5	7.8749
1,2-Dibromoethane	1.51	1.51	4.53	2	2.1703
Tetrachloroethene	1.58	1.58	4.74	2	3.0429
Chlorobenzene	0.863	0.863	2.589	2	2.887
1,1,1,2-Tetrachloroethane	1.66	1.66	4.98	2	2.6852
1-Chlorohexane	1.01	1.01	3.03	2	2.2712
Ethylbenzene	1.21	1.21	3.63	2	2.9362
m&p-Xylene	2.22	2.22	6.66	4	5.9048
Bromoform	1.23	1.23	3.69	2	2.5515
Styrene	1.64	1.64	4.92	2	2.6587
o-Xylene	0.793	0.793	2.379	2	2.9382
1,1,2,2-Tetrachloroethane	3.19	3.19	9.57	5	6.924
1,2,3-Trichloropropane	2.11	2.11	6.33	5	6.1817
Isopropylbenzene	1.81	1.81	5.43	5	7.0744
Bromobenzene	2.31	2.31	6.93	5	6.9393
trans-1,4-Dichloro-2-butene	1.76	1.76	5.28	5	5.2707
2-Chlorotoluene	2.11	2.11	6.33	5	6.978
n-Propylbenzene	1.83	1.83	5.49	5	7.0159
4-Chlorotoluene	1.92	1.92	5.76	5	7.0446
3-Ethyltoluene	1.91	1.91	5.73	5	5.8523
1,3,5-Trimethylbenzene	1.94	1.94	5.82	5	6.9693
2-Ethyltoluene	2.24	2.24	6.72	5	6.2227
1,2,4-Trimethylbenzene	2.01	2.01	6.03	5	6.9769
tert-Butylbenzene	1.9	1.9	5.7	5	6.9974

The Detectability Check Standard (DCS) meets the requirements as stated in TRRP-13, Section 2.1.2, Reportable Data, May 2010 Revision.

Pentachloroethane	9.32	9.32	27.96	12.5	16.4256
1,3-Dichlorobenzene	1.94	1.94	5.82	5	6.9151
sec-Butylbenzene	2.11	2.11	6.33	5	7.1122
1,4-Dichlorobenzene	1.89	1.89	5.67	5	7.0035
Benzyl chloride	4.22	4.22	12.66	5	2.9556
p-Isopropyltoluene	1.69	1.69	5.07	5	6.3938
1,2-Dichlorobenzene	2.44	2.44	7.32	5	6.8274
n-Butylbenzene	1.66	1.66	4.98	2	2.5508
1,2-Dibromo-3-chloropropane	2.58	2.58	7.74	5	5.9055
1,2,4-Trichlorobenzene	1.41	1.41	4.23	2	2.071
Naphthalene	1.78	1.78	5.34	5	4.8236
1,2,3-Trichlorobenzene	1.58	1.58	4.74	2	1.9572
Hexachlorobutadiene	1.82	1.82	5.46	5	5.0764
1,3-Dichloropropene (total)	1.76	1.76	5.28	4	4.4053
BTEX (total)	5.12	5.12	15.36	12	17.5785
1,2-Dichloroethene (total)	1.3	1.3	3.9	3	3.9684
Xylenes (total)	3	3	9	6	8.843

SDL = Sample Detection Limit

The Detectability Check Standard (DCS) meets the requirements as stated in TRRP-13, Section 2.1.2, Reportable Data, May 2010 Revision.

Detectability Check Standard (DCS)

Method: 8270
Matrix: Soil
Date: 03/22/12
Units: ug/kg

ANALYTE	CURRENT SDL (ug/kg)	SPIKE RANGE		SPIKE	MEAS VALUE
		MINIMUM	MAXIMUM		
1,2,4,5-Tetrachlorobenzene	40.3	40.3	120.9	80	49.08
1,2,4-Trichlorobenzene	44.9	44.9	134.7	80	52.635
1,2-Dichlorobenzene	39.6	39.6	118.8	80	53.106
1,2-Diphenylhydrazine	42.1	42.1	126.3	80	42.953
1,3,5-Trinitrobenzene	209	209	627	200	132.49
1,3-Dichlorobenzene	34.2	34.2	102.6	80	53.666
1,3-Dinitrobenzene	41.6	41.6	124.8	80	32.377
1,4-Dichlorobenzene	29.9	29.9	89.7	30	19.193
1,4-Dinitrobenzene	120	120	360	200	170.24
1,4-Dioxane	24.9	24.9	74.7	30	13.464
1,4-Naphthoquinone	49.2	49.2	147.6	80	32.158
1,4-phenylenediamine	86.7	86.7	260.1	200	11.324
1-Chloronaphthalene	92.4	92.4	277.2	200	116.6
1-Methylnaphthalene	25.2	25.2	75.6	30	17.917
1-Naphthylamine	45.2	45.2	135.6	80	6.4084
2,3,4,6-Tetrachlorophenol	22.7	22.7	68.1	30	9.6495
2,3,5,6-Tetrachlorophenol	33.4	33.4	100.2	80	23.685
2,4,5-Trichlorophenol	34.3	34.3	102.9	80	38.951
2,4,6-Trichlorophenol	43.9	43.9	131.7	80	38.238
2,4-Dichlorophenol	43.4	43.4	130.2	80	47.327
2,4-Dimethylphenol	78.6	78.6	235.8	80	50.543
2,4-Dinitrophenol	667	667	2001	200	321.27
2,4-Dinitrotoluene	157	157	471	200	113.03
2,6-Dichlorophenol	35.3	35.3	105.9	80	46.549
2,6-Dinitrotoluene	41.0	41	123	80	41.074
2-Acetylaminofluorene	80	80	240	80	30.351
2-Chloronaphthalene	31.3	31.3	93.9	80	59.784
2-Chlorophenol	29.1	29.1	87.3	30	19.895
2-Ethoxyethanol	100	100	300	200	85.398
2-Methylnaphthalene	32.1	32.1	96.3	80	50.612
2-Methylphenol	39.8	39.8	119.4	80	45.954
2-Naphthylamine	62.3	62.3	186.9	80	12.619
2-Nitroaniline	42.5	42.5	127.5	80	38.561
2-Nitrophenol	63.0	63	189	80	41.054
2-Picoline	39.0	39	117	80	42.287
2-Pyrrilidinone, 1-methyl	53.3	53.3	159.9	80	52.466
2-Toluidine	47	47	141	80	24.18
3 & 4 Methylphenol	64.8	64.8	194.4	80	48.652
3,3'-Dichlorobenzidine	53.5	53.5	160.5	80	71.273
3,3'-Dimethylbenzidine	257	257	771	200	68.202

The Detectability Check Standard (DCS) meets the requirements as stated in TRRP-13, Section 2.1.2, Reportable Data, May 2010 Revision.

3-Methylcholanthrene	23.5	23.5	70.5	30	15.738
3-Nitroaniline	31.9	31.9	95.7	80	29.766
4,4'-Methylene bis(2-chloroaniline)	167	167	501	200	65.086
4,6-Dinitro-2-methylphenol	200	200	600	200	238.14
4-Aminobiphenyl	125	125	375	200	46.956
4-Bromophenyl phenyl ether	30.2	30.2	90.6	80	51.744
4-Chloro-3-methylphenol	52.7	52.7	158.1	80	44.716
4-Chloroaniline	37.5	37.5	112.5	80	29.706
4-Chlorophenyl phenyl ether	25.6	25.6	76.8	30	18.451
4-Methylphenol	15.1	15.1	45.3	30	14.383
4-Nitroaniline	100	100	300	200	92.364
4-Nitrophenol	151	151	453	200	100.71
4-Nitroquinoline-1-oxide	93.5	93.5	280.5	200	38.021
7,12-Dimethylbenz[a]anthracene	28.7	28.7	86.1	30	17.969
a,a-Dimethylphenethylamine	66	66	198	80	46.286
Acenaphthene	34.7	34.7	104.1	80	49.516
Acenaphthylene	32.8	32.8	98.4	80	46.214
Acetophenone	36.9	36.9	110.7	80	46.167
Acrylamide	410	410	1230	200	90.108
Aniline	31.6	31.6	94.8	80	31.66
Anthracene	24.6	24.6	73.8	30	16.797
Aramite	45.3	45.3	135.9	80	40.128
Azobenzene	42.1	42.1	126.3	80	42.953
Benzidine	138	138	414	200	209.91
Benzo[a]anthracene	19.9	19.9	59.7	30	21.552
Benzo[a]pyrene	22.8	22.8	68.4	30	16.695
Benzo[b]fluoranthene	52.2	52.2	156.6	80	49.457
Benzo[g,h,i]perylene	26.8	26.8	80.4	30	18.415
Benzo[k]fluoranthene	39.7	39.7	119.1	80	57.9
Benzoic acid	116	116	348	200	185.008
Benzyl alcohol	83.1	83.1	249.3	200	114.36
Biphenyl	26.5	26.5	79.5	30	18.851
Bis(2-chloroethoxy)methane	32.5	32.5	97.5	80	63.973
Bis(2-chloroethyl)ether	34.3	34.3	102.9	80	48.895
Bis(2-chloroisopropyl) ether	27.2	27.2	81.6	30	20.532
Bis(2-ethylhexyl) phthalate	41.9	41.9	125.7	80	71.267
Butyl benzyl phthalate	26.1	26.1	78.3	30	18.375
Carbazole	23.7	23.7	71.1	30	18.019
Chlorobenzilate	29.3	29.3	87.9	30	16.988
Chrysene	22.6	22.6	67.8	30	19.214
Diallate	35.6	35.6	106.8	80	43.751
Dibenz[a,h]anthracene	84.0	84	252	200	128.8
Dibenz[a,j]acridine	120	120	360	200	114.96
Dibenzofuran	35.8	35.8	107.4	80	49.252
Diethyl phthalate	21.5	21.5	64.5	30	19.977
Dimethoate	29.5	29.5	88.5	30	11.909
Dimethyl phthalate	23.8	23.8	71.4	30	17.494
Dimethyl terephthalate (DMT)	120	120	360	200	359.91
Di-n-butyl phthalate	24.6	24.6	73.8	30	25.958
Di-n-octyl phthalate	121	121	363	200	114.77
Dinoseb	183	183	549	200	297.18
Diphenyl ether	26.8	26.8	80.4	30	16.978

The Detectability Check Standard (DCS) meets the requirements as stated in TRRP-13, Section 2.1.2, Reportable Data, May 2010 Revision.

Diphenylamine	22.7	22.7	68.1	30	16.131
Disulfoton	63.2	63.2	189.6	80	98.372
Ethyl Methanesulfonate	41.5	41.5	124.5	80	45.865
Famphur	75.2	75.2	225.6	80	181.38
Fluoranthene	24.4	24.4	73.2	30	18.266
Fluorene	23.1	23.1	69.3	30	17.7
Hexachlorobenzene	28.0	28	84	30	17.125
Hexachlorobutadiene	40.6	40.6	121.8	80	55.722
Hexachlorocyclopentadiene	169	169	507	200	194.96
Hexachloroethane	43.0	43	129	80	50.149
Hexachloropropene	79.6	79.6	238.8	80	43.896
Indeno[1,2,3-cd]pyrene	51.5	51.5	154.5	80	45.539
Isodrin	29.1	29.1	87.3	30	16.725
Isophorone	42.7	42.7	128.1	80	48.533
Isosafrole	38.5	38.5	115.5	80	45.296
Methyl Methanesulfonate	42.2	42.2	126.6	80	48.288
N,N-Dimethyl Formamide	30.5	30.5	91.5	80	43.542
Naphthalene	31.8	31.8	95.4	80	51.773
Nitrobenzene	49.1	49.1	147.3	80	55.514
N-Nitro-o-toluidine	99.1	99.1	297.3	200	85.636
N-Nitrosodiethylamine	33.2	33.2	99.6	80	40.542
N-Nitrosodimethylamine	34.6	34.6	103.8	80	44.257
N-Nitrosodi-n-butylamine	39.4	39.4	118.2	80	39.136
N-Nitrosodi-n-propylamine	24.3	24.3	72.9	30	18.314
N-Nitrosodiphenylamine	22.7	22.7	68.1	30	16.131
N-Nitrosomethylethylamine	34.8	34.8	104.4	80	42.093
N-Nitrosomorpholine	33.4	33.4	100.2	80	50.846
N-Nitrosopiperidine	37.3	37.3	111.9	80	42.604
N-Nitrosopyrrolidine	30.4	30.4	91.2	80	36.956
O,O,O-Triethyl phosphorothioate	27.7	27.7	83.1	30	17.171
Parathion-ethyl	25.0	25	75	30	8.0593
Parathion-methyl	29.8	29.8	89.4	30	10.792
p-Dimethylamino azobenzene	20.8	20.8	62.4	30	10.629
Pentachlorobenzene	34.0	34	102	80	51.971
Pentachloroethane	30.4	30.4	91.2	80	46.369
Pentachloronitrobenzene	79.7	79.7	239.1	80	39.921
Pentachlorophenol	50.4	50.4	151.2	80	53.066
Phenacetin	75	75	225	80	39.075
Phenanthrene	22.1	22.1	66.3	30	19.473
Phenol	32.8	32.8	98.4	80	54.557
Phorate	26.0	26	78	30	15.41
Pronamide	150	150	450	200	88.421
Propyl cellosolve	47.3	47.3	141.9	80	36.729
Pyrene	23.3	23.3	69.9	30	17.073
Pyridine	38.6	38.6	115.8	80	49.249
Safrole	33.5	33.5	100.5	80	46.01
Thionazin	30.9	30.9	92.7	80	44.694

The Detectability Check Standard (DCS) meets the requirements as stated in TRRP-13, Section 2.1.2, Reportable Data, May 2010 Revision.

DATA USABILITY SUMMARY

Property: Al-Kel Alliance
Reviewer: Brian Sims, TITAN Engineering, Inc.
Date: June 22, 2012

Laboratory: Test America
Laboratory Job No(s): AVE0225, dated June 4, 2012

Intended use of data:
- ☒ Soil investigation
- ☐ Groundwater investigation
- ☐ Other: _____

Samples analyzed: 33 (Incl. 2 trip blanks and 2 equipment blanks)

Analyses requested:
- ☐ TX-1005 (TPH)
- ☐ EPA-8021 (BTEX/MTBE)
- ☒ EPA-8270 (PAHs)
- ☒ EPA-8260 (VOCs)
- ☐ E160.3 (% Moisture)
- ☒ Other: 6020 & 7471A (Metals)

Data reviewed:
- ☒ Laboratory reportable data
- ☒ Laboratory review checklists (LRCs)
- ☒ Laboratory exception reports (ERs)
- ☒ Chain-of-custody (CoC) forms
- ☒ Field notes
- ☐ Other: _____

Project Objectives:

Type of Chemical	Recovery (%)		RPD (%)
	Low	High	
Organics	60	140	40
Inorganics	70	130	30

Level of Performance:	
Do SQLs and MQLs meet project objectives?	YES
According to the LRCs:	
Are soil sample concentrations corrected for moisture content?	YES
Does sample information agree with the CoC forms?	YES
Were the sample containers made of appropriate materials?	YES
Were the samples received by the laboratory in good condition?	YES
Were sample temperatures 4°C ± 2°C?	YES
Were samples prepared and analyzed within the holding times specified in SW-846, Table 2-40?	YES
Did the initial/continuing calibrations (ICCV/CCV) meet SW-846 requirements for the analyses performed?	YES
Do the LRCs document instrument performance calibrations (GC/MS tunes) for analyses performed?	YES

Environmental Sample Surrogates:	
Were surrogate recoveries within project objectives?	NO
For sample TMW-1, percent recovery of Surr: 2,4,6-Tribromophenol below project objectives at 54%. However, this was the only surrogate spike for this sample that was not within project objectives, so no qualifiers were assigned.	
Field QA/QC:	
Were target analytes detected in any trip blanks?	NO
Were target analytes detected in field blanks?	NA
Were target analytes detected in any equipment blanks?	YES
Estimated concentrations of acetone were detected in EB20120516 and EB20120517. One sample (SB-6 2.5 ft) reported acetone greater than 10 times MB. Therefore, all other associated samples are U qualified because estimated concentrations were less 10 times MB.	
Did field duplicate precision meet project objectives?	NA
Laboratory QA/QC:	
Were target COCs detected in any laboratory blanks?	NO
Were surrogate recoveries for laboratory blanks within project objectives?	YES
Were LCS/LCSD recoveries and/or RPD values within project objectives	NO
Percent recovery of Hexachlorocyclopentadiene was below project objectives (Batch 12E0369). Hexachlorocyclopentadiene was not detected above the SDL in any of the associated samples, so J and L qualifiers were assigned. Percent recovery of 3,3'-Dichlorobenzidine, 3-Nitroaniline, and 4-Chloroaniline were below project objectives (Batch 12F0010). These compounds were not detected above the SDL in any of the associated samples, so J and L qualifiers were assigned.	
Were surrogate recoveries for LCS/LCSD within project objectives?	YES
Were MS/MSD recoveries and/or RPD values within project objectives?	NO
Percent recovery of 2,4,5-Trichlorophenol and 2,4,6-Trichlorophenol were below project objectives (Batch 12E0369). RPDs in the MAD were within limits. None of these compounds were detected in the associated samples, so only J qualifiers were assigned to the respective compounds in the associated samples. Percent recovery of Pentachlorophenol was below project objectives (Batch 12E0369). So, J qualifier was assigned to the concentrations of these compounds in the associated samples. Percent recovery of 4-Chloroaniline was below project objectives (Batch 12F0010). Associated samples already qualified due to low LCS recovery. Percent recovery of Arsenic was below project objectives and Barium was above project objectives in the MS (Batch 12E0376). No qualifiers are assigned because the spike was less than 4 times the parent sample so the results may not represent the matrix effect. Percent recovery of Barium was below project objectives and Chromium was above project objectives in the MSD (Batch 12E0376). No qualifiers are assigned because the spike was less than 4 times the parent sample so the results may not represent the matrix effect. Percent recovery of Barium and Chromium were above project objectives in the MS and MSD (Batch 12E0377). No qualifiers are assigned because the spike was less than 4 times the parent sample so the results may not represent the matrix effect.	
Were surrogate recoveries for MS/MSD within project objectives?	YES
According to Field Records:	
Were the chain-of-custody forms completed and signed?	YES
Were samples collected according to documented SOPs?	YES
Were the samples preserved in the field according to SW-846, Table 2-40?	YES
Were groundwater samples filtered?	NA
Were field instruments used during sampling properly calibrated?	YES

Qualifiers	
U	Not detected above the SDL
J	Estimated concentration (detected below quantitation limits)
R	Rejected
B	Detected in associated method blank
S	Spike recovery outside accepted recovery limits
Bias Codes	
H	Bias likely to be high
L	Bias likely to be low

Attachments:

- ☒ Laboratory reportable data
- ☒ Laboratory ERs
- ☐ Field notes
- ☒ Laboratory LRCs
- ☒ CoC forms
- ☐ Table 1: Field Precision