ATTACHMENT B LABORATORY ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY DOCUMENTATION



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THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

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TestAmerica Job ID: 160-13469-1

Client Project/Site: Camp Minden Baseline Project

Revision: 1

For:

SEMS, Inc 11628 S. Choctaw Drive Baton Rouge, Louisiana 70815

Attn: Maghee Shaw

Authorized for release by:

10/12/2015 2:26:40 PM

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

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

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CASE NARRATIVE

Client: SEMS, Inc

Project: Camp Minden Baseline Project

Report Number: 160-13469-1

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

TestAmerica St. Louis attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

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

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

All solid sample results for Chemistry analyses are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header. All soil/sediment sample results for radiochemistry analyses are based upon sample as dried and disaggregated with the exception of tritium, carbon-14, and iodine-129 by gamma spectroscopy unless requested as wet weight by the client."

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

Rev 1: Analysis results for MRO under Method 8015 have been removed at the client's request.

RECEIPT

The samples were received on 08/20/2015; the samples arrived in good condition, properly preserved and on ice. The temperatures of the 9 coolers at receipt time were 0.1° C, 0.1° C, 0.3° C, 0.4° C, 0.5° C, 0.7° C, 0.7° C. 0.8° C and 1.0° C.

Receipt Exceptions

The COC lists 2015 08 19 Trip Blk 01-11. Eleven Trip Blanks were received with 2 vials for each. The samples have been logged individually as follows:

2015 08 19 TRIP BLK 01 (160-13469-43), 2015 08 19 TRIP BLK 02 (160-13469-44), 2015 08 19 TRIP BLK 03 (160-13469-45), 2015 08 19 TRIP BLK 04 (160-13469-46), 2015 08 19 TRIP BLK 05 (160-13469-47), 2015 08 19 TRIP BLK 06 (160-13469-48), 2015 08 19 TRIP BLK 07 (160-13469-49), 2015 08 19 TRIP BLK 08 (160-13469-50), 2015 08 19 TRIP BLK 09 (160-13469-51), 2015 08 19 TRIP BLK 10 (160-13469-52) and 2015 08 19 TRIP BLK 11 (160-13469-53)

VOLATILE ORGANIC COMPOUNDS BY GC/MS

Samples 2015.08.17.A.5 (160-13469-1), 2015.08.17.A.3 (160-13469-2), 2015.08.17.A.1 (160-13469-3),

2015.08.17.A.1.6 (160-13469-4), 2015.08.17.C.1 (160-13469-5), 2015.08.17.C.1.6 (160-13469-6), 2015.08.17.C.3 (160-13469-7), 2015.08.17.C.5 (160-13469-8), 2015.08.17.E.5 (160-13469-9), 2015.08.17.E.3 (160-13469-10), 2015.08.17.G.1 (160-13469-11), 2015.08.17.E.1 (160-13469-12), 2015.08.17.G.3 (160-13469-13), 2015.08.17.G.5 (160-13469-14), 2015.08.17.DUP #01 (160-13469-15), 2015.08.17.H-4 (160-13469-16), 2015.08.17.I5 (160-13469-17), 2015.08.17.K3 (160-13469-18), 2015.08.17.K5 (160-13469-19), 2015.08.17.K1 (160-13469-20), 2015.08.17.I-1 (160-13469-21), 2015.08.17 DUP #02 (160-13469-22), 2015 08 17 M1 (160-13469-23), 2015 08 18 N2 (160-13469-24), 2015 08 18 M3 (160-13469-25), 2015 08 18 L4 (160-13469-26), 2015 08 18 M5 (160-13469-27), 2015 08 18 P0.7 (160-13469-32), 2015 08 18 Q0.4 (160-13469-33), 2015 08 18 P0.2 (160-13469-34), 2015 08 18 O0.2 (160-13469-35), 2015 08 18 DUP #03 (160-13469-36), 2015 08 18 P0.4 (160-13469-37), 2015 08 18 H2 (160-13469-38), 2015 08 18 B2.3 (160-13469-39), 2015 08 18 E6.5 (160-13469-40), 2015 08 18 F7.5 (160-13469-41) and 2015 08 18 DUP #04 (160-13469-42) were analyzed for Volatile Organic Compounds by GC/MS in accordance with EPA SW-846 Method 8260C. The samples were prepared on 08/23/2015, 08/27/2015, 08/28/2015 and 08/31/2015.

Prep Batch: 207159

Trichloroethene was detected in method blank MB 160-207159/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Acetone was detected in method blank MB 160-208823/1-A at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Refer to the QC report for details.

2-Butanone (MEK) and 4-Methyl-2-pentanone (MIBK) failed the recovery criteria high for LCSD 160-208823/3-A. 1,2-Dibromo-3-Chloropropane exceeded the RPD limit. Refer to the QC report for details.

1,2-Dichloroethane-d4 (Surr), 4-Bromofluorobenzene (Surr), Dibromofluoromethane (Surr) and Toluene-d8 (Surr) failed the surrogate recovery criteria high for 2015.08.17.H-4 (160-13469-16). Toluene-d8 (Surr) failed the surrogate recovery criteria high for 2015.08.17.A.1 (160-13469-3). Refer to the QC report for details.

Analytical Batch: 208216

Acetone is a common laboratory contaminant. It's presence in samples at a level below the reporting limit may be attributed to laboratory contamination.

The following compounds did not meet the minimum relative response factor limits in the continuing calibration verification (CCV) associated with batch 160-208216: Acetone and 2-Butanone. A low-level LOQV was analyzed at the reporting limit (5ug/L) and the affected analytes were detected. Target analytes recovering above the reporting limit will be qualified and reported. (CCVIS 160-208216/3)

The continuing calibration verification (CCV) associated with batch 160-208216 recovered above the upper control limit for 1,1-Dichloroethene. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. (CCVIS 160-208216/3)

The matrix spike duplicate (MSD) recovery for preparation batch 160-208225 and analytical batch 160-208216 was outside control limits for Acetone. Sample matrix interference is suspected because the associated laboratory control samples' (LCS/LCSD) recoveries were within acceptance limits. 2015 08 17 M1 (160-13469-23[MSD])

The sample size used in the preparation of the matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 160-208225 and analytical batch 160-208216 was outside the 10% difference. As the relative percent difference (RPD) calculation is based upon the MS/MSD concentration as opposed to the MS/MSD percent recovery, elevated %RPD values were obtained. 2015 08 17 M1 (160-13469-23[MSD])

Neither of the two DI-water Field-prepped soil vials for this sample had a site ID listed on the client label

affixed to the vial. The label on the Methanol-prepped vial had a site ID and the same sampling time was entered on all three vial labels. Since the sampling time matched, it was assumed the site for the DI vials was the same as that on the Methanol vial. 2015.08.17.E.5 (160-13469-9)

The two DI-water, Field-prepped soil vials for this sample showed the site ID listed on the client label as 2015-08-17-C1. The label on the Methanol-prepped vial had the site ID 2015-08-17 C3 and the same sampling time was entered on all three vial labels. Since the sampling time matched, and the sampling time corresponded to the C3 site as shown on the COC, it was assumed the site for the DI vials was the same as that on the Methanol vial.

2015.08.17.C.3 (160-13469-7)

The DI-water, Field-prepped soil vials for these samples all showed the site ID listed on the client label as 2015-08-17-K5. One Methanol-prepped vial had no site ID or sampling time so the site IDs for each low-level DI sample vial was assigned based on matching the sampling time on the DI water vial to the sampling time listed on the COC.

2015.08.17.K3 (160-13469-18) and 2015.08.17.K5 (160-13469-19)

Analytical Batch: 208418

Acetone is a common laboratory contaminant. It's presence in samples at a level below the reporting limit may be attributed to laboratory contamination.

The following compounds did not meet the minimum relative response factor limits in the continuing calibration verification (CCV) associated with batch 160-208418: Acetone and 2-Butanone. A low level CCV was analyzed at the base reporting limit of 5ug/L and the affected analytes were detected. Target analytes recovering above the reporting limit will be qualified and reported. (CCVIS 160-208418/3)

The matrix spike (MS) recoveries for preparation batch 160-208436 and analytical batch 160-208418 were outside control limits. Sample matrix interference is suspected because the associated laboratory control samples' (LCS/LCSD) recoveries were within acceptance limits. 2015 08 18 F7.5 (160-13469-41[MS])

The sample size used in the preparation of the matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 160-208436 and analytical batch 160-208418 was outside the 10% difference. As the relative percent difference (RPD) calculation is based upon the MS/MSD concentration as opposed to the MS/MSD percent recovery, elevated %RPD values were obtained. 2015 08 18 F7.5 (160-13469-41[MSD])

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

VOLATILE ORGANIC COMPOUNDS (GC MS)

Samples 2015 08 17 FIELD BLANK (160-13469-28), 2015 08 17 EQUIP BLANK (160-13469-29), 2015 08 18 FIELD BLANK (160-13469-30), 2015 08 18 EQUIP BLANK (160-13469-31), 2015 08 19 TRIP BLK 01 (160-13469-43), 2015 08 19 TRIP BLK 02 (160-13469-44), 2015 08 19 TRIP BLK 03 (160-13469-45), 2015 08 19 TRIP BLK 04 (160-13469-46), 2015 08 19 TRIP BLK 05 (160-13469-47), 2015 08 19 TRIP BLK 06 (160-13469-48), 2015 08 19 TRIP BLK 07 (160-13469-49), 2015 08 19 TRIP BLK 08 (160-13469-50), 2015 08 19 TRIP BLK 09 (160-13469-51), 2015 08 19 TRIP BLK 10 (160-13469-52) and 2015 08 19 TRIP BLK 11 (160-13469-53) were analyzed for volatile organic compounds (GC MS) in accordance with EPA SW-846 Method 8260C. The samples were analyzed on 08/24/2015, 08/25/2015 and 08/26/2015.

Analytical Batch: 208119

The following compounds did not meet the minimum relative response factor limits in the continuing calibration verification (CCV) associated with batch160-208119: Acetone and 2-Butanone. A low-level LOQV was analyzed at the reporting limit (5ug/L) and the affected analytes were detected. Target analytes recovering above the reporting limit will be qualified and reported. (CCVIS 160-208119/2)

The continuing calibration verification (CCV) associated with batch 160-208119 recovered outside acceptance criteria, low biased, for Chloroethane. A reporting limit (RL) standard was analyzed, and the

target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported. (CCVIS 160-208119/2)

Trichloroethene was detected in method blank MB 160-208119/6 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Refer to the QC report for details. (MB 160-208119/6)

The following analyte recovered outside control limits for the LCS associated with analytical batch 160-208119: 1,2-Dichloroethane. This is not indicative of a systematic control problem because this was a random marginal exceedance. Qualified results have been reported. (LCS 160-208119/3)

An MS/MSD was not performed with batch 160-208119; the only associated samples are Trip Blanks and Dilutions. An LCS/LCSD was performed to demonstrate accuracy and precision.

Analytical Batch: 207384

The following compounds did not meet the minimum relative response factor limits in the continuing calibration verification (CCV) associated with batch 160-207384: Acetone and 2-Butanone. A low-level LOQV was analyzed at the reporting limit (5ug/L) and the affected analytes were detected. Target analytes recovering above the reporting limit will be qualified and reported. (CCVIS 160-207384/3)

The continuing calibration verification (CCV) associated with batch 160-207384 recovered above the upper control limit for Acetone. This analyte was not present above the Reporting Limit in the samples associated with this CCV; therefore, the data have been reported. (CCVIS 160-207384/3)

Trichloroethene was detected in method blank MB 160-207384/7 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. (MB 160-207384/7)

The low-level presence of the target analyte Trichloroethene in the MB and the samples in the first half of the sequence was determined to originate in the purge vials used for the analysis. The amount of Trichloroethene present is only slightly higher than the MDL and well below the Reporting Limit. The remaining samples in the sequence, 2015 08 19 TRIP BLK 05 (160-13469-47), 2015 08 19 TRIP BLK 06 (160-13469-48), 2015 08 19 TRIP BLK 08 (160-13469-50), 2015 08 19 TRIP BLK 09 (160-13469-51), 2015 08 19 TRIP BLK 10 (160-13469-52) and 2015 08 19 TRIP BLK 11 (160-13469-53), were prepared using vials that had been rinsed with DI water before the samples were introduced. These samples have no detectable Trichloroethene.

A matrix spike/matrix spike duplicate (MS/MSD) was not performed with analytical batch 160-207384. The only associated samples are Trip Blanks and Field Blanks. An LCS/LCSD was performed to demonstrate accuracy and precision.

(MB 160-207384/7)

Analysis ran outside of the 12-hour calibration clock. Samples were re-analyzed in a subsequent sequence and the re-analysis was reported. 2015 08 19 TRIP BLK 07 (160-13469-49)

Analytical Batch: 208822

The following compounds did not meet the minimum relative response factor limits in the continuing calibration verification (CCV) associated with batch 160-208822: Acetone and 2-Butanone. A low-level LOQV was analyzed at the reporting limit (5ug/L) and the affected analytes were detected. Target analytes recovering above the reporting limit will be qualified and reported. (CCVIS 160-208822/4)

The continuing calibration verification (CCV) associated with batch 160-208822 recovered above the upper

control limit for 4-Methyl-2-pentanone (MIBK). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. (CCVIS 160-208822/4)

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 160-208823 and analytical batch 160-208822. An LCS/LCSD was performed to demonstrate accuracy and precision. (MB 160-208823/1-A)

The method blank for preparation batch 160-208823 and analytical batch 160-208822 contained Acetone above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-analysis of samples was not performed. (MB 160-208823/1-A)

The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 160-208823 and analytical batch 160-208822 recovered outside control limits for the following analytes: 2-Butanone (MEK) and 4-Methyl-2-pentanone (MIBK). These analytes were biased high in the LCS and/or LCSD and were not detected in the associated samples; therefore, the data have been reported.

The %RPD of the laboratory control sample (LCS) and laboratory control standard duplicate (LCSD) for preparation batch 160-208823 recovered outside control limits for the following analyte: 1,2-Dibromo-3-Chloropropane. (LCSD 160-208823/3-A)

Internal standard responses were outside of acceptance limits for the following sample: 2015.08.17.G.1 (160-13469-11). The sample shows evidence of matrix interference. The internal standard responses in the original analysis were all outside the lower acceptance limit. Only one internal standard failed in this reanalysis. The re-analysis results are reported.

Internal standard response was outside of the lower acceptance limits for the following sample, indicating a high bias for analytes associated with the affected internal standard: 2015.08.17.G.1 (160-13469-11). No target analytes associated with the affected internal standards were detected.

Analytical Batch: 207160

The continuing calibration verification (CCV) associated with batch 160-207160 recovered above the upper control limit for Acetone, 4-Methyl-2-pentanone (MIBK) and Isobutyl alcohol. Except for Acetone detected above the reporting limit in sample 160-13469-17, the samples associated with this CCV were not detected above the reporting limits for the affected analytes; therefore, the data have been reported. Sample 160-13469-17 was re-analyzed after the 14 day hold time had expired and Acetone was detected less than the reporting limit. Because the samples were re-analyzed outside the 14, the original analysis was qualified and the results were reported. (CCVIS 160-207160/3).

The continuing calibration verification (CCV) associated with batch 160-207160 recovered outside recommended criteria, minimum relative response factor, for Acetone, 2-Butanone (MEK) and 2-Hexanone. A reporting limit (RL) standard was analyzed, and the target analytes were detected; therefore, the data have been reported.(CCVIS 160-207160/3)

The method blank for preparation batch 160-207159 and analytical batch 160-207160 contained Trichloroethene above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not required.(MB 160-207159/1-A)

The sample size used in the preparation of the matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 160-207159 and analytical batch 160-207160 was outside the 10% difference. As the relative percent difference (RPD) calculation is based upon the MS/MSD concentration as opposed to the MS/MSD percent recovery, elevated %RPD values were obtained. 2015.08.17.H-4MSD (160-13469-16)

In batch 160-207160, the surrogate recovery for the following sample was outside the upper control limit: 2015.08.17.H-4 (160-13469-16). This sample did not contain any target analytes detected above the reporting limits associated with the failed surrogate; therefore, re-extraction and/or re-analysis was not

required.

In batch 160-207160, the surrogate recovery for the following sample was outside the upper control limit: 2015.08.17.A.1 (160-13469-3). This sample did not contain any target analytes detected above the reporting limits associated with the failed surrogate; therefore, re-extraction and/or re-analysis was not required.

The internal standard (ISTD) response for the following samples were outside the lower control limit: 2015.08.17.A.1 (160-13469-3), 2015.08.17.A.1.6 (160-13469-4), 2015.08.17.C.1 (160-13469-5), 2015.08.17.C.1.6 (160-13469-6), 2015.08.17.C.5 (160-13469-8), 2015.08.17.E.3 (160-13469-10), 2015.08.17.E.1 (160-13469-12), 2015.08.17.G.3 (160-13469-13), 2015.08.17.G.5 (160-13469-14), 2015.08.17.DUP #01 (160-13469-15), 2015.08.17.H-4 (160-13469-16), 2015.08.17.I5 (160-13469-17) and 2015.08.17.K1 (160-13469-20). The samples did not contain any target analytes detected above the reporting limits associated with the failed internal standard (ISTD) response; therefore, re-extraction and/or re-analysis was not required.

In batch 160-207160, the internal standard (ISTD) and surrogate response for the following sample were outside the lower control limit 2015.08.17.H-4 (160-13469-16). The samples did not contain any target analytes detected above the reporting limits associated with the failed internal standard (ISTD) response; therefore, re-extraction and/or re-analysis was not required.

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

SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS)

Samples 2015.08.17.A.5 (160-13469-1), 2015.08.17.A.3 (160-13469-2), 2015.08.17.A.1 (160-13469-3), 2015.08.17.A.1.6 (160-13469-4), 2015.08.17.C.1 (160-13469-5), 2015.08.17.C.1.6 (160-13469-6), 2015.08.17.C.3 (160-13469-7), 2015.08.17.C.5 (160-13469-8), 2015.08.17.E.5 (160-13469-9), 2015.08.17.E.3 (160-13469-10), 2015.08.17.G.1 (160-13469-11), 2015.08.17.E.1 (160-13469-12), 2015.08.17.G.3 (160-13469-13), 2015.08.17.G.5 (160-13469-14), 2015.08.17.DUP #01 (160-13469-15), 2015.08.17.H-4 (160-13469-16), 2015.08.17.I5 (160-13469-17), 2015.08.17.K3 (160-13469-18), 2015.08.17.K5 (160-13469-19), 2015.08.17.K1 (160-13469-20), 2015.08.17.I-1 (160-13469-21), 2015.08.17 DUP #02 (160-13469-22), 2015 08 17 M1 (160-13469-23), 2015 08 18 N2 (160-13469-24), 2015 08 18 M3 (160-13469-25), 2015 08 18 L4 (160-13469-26), 2015 08 18 M5 (160-13469-37), 2015 08 18 P0.7 (160-13469-32), 2015 08 18 Q0.4 (160-13469-33), 2015 08 18 P0.2 (160-13469-34), 2015 08 18 P0.7 (160-13469-35), 2015 08 18 BDUP #03 (160-13469-36), 2015 08 18 P0.4 (160-13469-37), 2015 08 18 H2 (160-13469-38), 2015 08 18 B2.3 (160-13469-39), 2015 08 18 E6.5 (160-13469-40), 2015 08 18 F7.5 (160-13469-41) and 2015 08 18 DUP #04 (160-13469-42) were analyzed for Semivolatile Organic Compounds (GC/MS) in accordance with EPA SW-846 Method 8270D. The samples were prepared on 08/26/2015 and 08/31/2015 and analyzed on 08/28/2015, 08/29/2015, 09/02/2015, 09/04/2015 and 09/05/2015.

Analytical Batch: 209078

Bis(2-ethylhexyl) phthalate was detected in method blank MB 160-208641/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Refer to the QC report for details.

2,4,6-Tribromophenol recovered high in the CCV (20.6%). This surrogate recovered within QC limits in the batch with the exception of the following sample: 160-13469-F-23-F MSD. The data is reported with this narrative.

2015 08 17 M1 (160-13469-23[MSD]) and (CCVIS 160-209078/3)

The laboratory control sample (LCS) for preparation batch 160-208641 and analytical batch 160-209078 recovered outside control limits for the following analyte: 4-Chloroaniline. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported. (LCS 160-208641/2-A)

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 160-208641 and analytical batch 160-209078 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

2015 08 17 M1 (160-13469-23[MS]), 2015 08 17 M1 (160-13469-23[MSD]), 2015 08 18 P0.4 (160-13469-37 [MS]) and 2015 08 18 P0.4 (160-13469-37[MSD])

Analytical Batch: 208439

2,4,6-Tribromophenol recovered high in the CCV (21.7%). This surrogate recovered within QC limits in the batch. The data is reported with this narrative. (CCVIS 160-208439/3)

2,4-Dinitrophenol and Diphenylamine recovered slightly low in the LCS and Benzo (k) fluoranthene recovered slightly low in the MS. Per client request, the samples will not be re-extracted outside holding time. The data is reported with this narrative. 2015.08.17.H-4 (160-13469-16[MS]) and (LCS 160-207953/2-A)

2,4-Dinitrophenol recovered low and Hexachlorobutadiene recovered high in the LCS. 1,2,4-Trichlorobenzene and Hexachlorobutadiene recovered high in the MS and 1,2,4-Trichlorobenzene, Hexachlorobutadiene and Hexachlorocyclopentadiene recovered high in the MSD. Per client request, the samples will not be re-extracted outside holding time. The data is reported with this narrative.

Analytical Batch: 209455

2,4,6-Tribromophenol recovered high in the CCV (25.4%). This surrogate recovered within QC limits in the batch. The data is reported with this narrative. (CCVIS 160-209455/3)

2,4-Dinitrophenol recovered low and Hexachlorobutadiene recovered high in the LCS. 1,2,4-Trichlorobenzene and Hexachlorobutadiene recovered high in the MS and 1,2,4-Trichlorobenzene, Hexachlorobutadiene and Hexachlorocyclopentadiene recovered high in the MSD. Per client request, the samples will not be re-extracted outside holding time. The data is reported with this narrative. 2015 08 18 F7.5 (160-13469-41[MS]), 2015 08 18 F7.5 (160-13469-41[MSD]) and (LCS 160-208680/2-A)

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

SEMIVOLATILE ORGANIC COMPOUNDS (GC MS)

Samples 2015 08 17 FIELD BLANK (160-13469-28), 2015 08 17 EQUIP BLANK (160-13469-29), 2015 08 18 FIELD BLANK (160-13469-30) and 2015 08 18 EQUIP BLANK (160-13469-31) were analyzed for semivolatile organic compounds (GC MS) in accordance with EPA SW-846 Method 8270D. The samples were prepared on 08/21/2015 and analyzed on 08/28/2015.

Analytical Batch: 208190

2,4,6-Tribromophenol recovered high in the CCV (23.3%). This surrogate recovered within QC limits in the batch. The data is reported with this narrative. (CCVIS 160-208190/2)

The laboratory control sample (LCS) for preparation batch 160-206961 and analytical batch 160-208190 recovered outside acceptance limits for 2,4-Dinitrophenol and Hexachlorocyclopentadiene. There was insufficient sample to perform a re-extraction; therefore, the data have been reported.

The matrix spike (MS) recoveries for preparation batch 160-206961 and analytical batch 160-208190 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

GASOLINE RANGE ORGANICS (GRO)

Sample 2015 08 18 E6.5 (160-13469-40) was analyzed for gasoline range organics (GRO) in accordance with EPA SW-846 Method 8015B - GRO. The samples were analyzed on 09/01/2015.

Batch: 209316

The TFT was outside of the RT window for the MS/MSD and closing CCV. The samples have acceptable

recoveries.

(CCV 160-209316/8), (160-13469-F-40-B MS) and (160-13469-F-40-C MSD)

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

DIESEL RANGE ORGANICS (DRO)

Sample 2015 08 18 E6.5 (160-13469-40) was analyzed for diesel range organics (DRO) in accordance with EPA SW-846 Method 8015B - DRO. The samples were prepared on 08/21/2015 and analyzed on 08/26/2015.

Analytical Batch: 207694

The continuing calibration verification (CCV) associated with batch 160-207694 recovered above the upper control limit for o-Terphenyl (Surr) and Diesel Range Organics (DRO). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: 2015 08 18 E6.5 (160-13469-40), (CCV 160-207694/37), (LCS 160-206962/2-A), (160-13469-E-40-D MS) and (160-13469-E-40-E MSD).

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

NITROAROMATICS AND NITRAMINES (HPLC)

Samples 2015.08.17.A.5 (160-13469-1), 2015.08.17.A.3 (160-13469-2), 2015.08.17.A.1 (160-13469-3), 2015.08.17.A.1.6 (160-13469-4), 2015.08.17.C.1 (160-13469-5), 2015.08.17.C.1.6 (160-13469-6), 2015.08.17.C.3 (160-13469-7), 2015.08.17.C.5 (160-13469-8), 2015.08.17.E.5 (160-13469-9), 2015.08.17.E.3 (160-13469-10), 2015.08.17.G.1 (160-13469-11), 2015.08.17.E.1 (160-13469-12), 2015.08.17.E.3 (160-13469-13), 2015.08.17.G.5 (160-13469-14), 2015.08.17.DUP #01 (160-13469-15), 2015.08.17.H-4 (160-13469-16), 2015.08.17.I5 (160-13469-17), 2015.08.17.K3 (160-13469-18), 2015.08.17.K5 (160-13469-19), 2015.08.17.K1 (160-13469-20), 2015.08.17.I-1 (160-13469-21), 2015.08.17.DUP #02 (160-13469-22), 2015.08.17.K1 (160-13469-23), 2015.08.17.I-1 (160-13469-24), 2015.08.18 M3 (160-13469-25), 2015.08.18 L4 (160-13469-26), 2015.08.18 M5 (160-13469-27), 2015.08.18 M6.0 (160-13469-32), 2015.08.18 M5.0 (160-13469-37), 2015.08.18 M5.0 (160-13469-37), 2015.08.18 M5.0 (160-13469-37), 2015.08.18 M5.0 (160-13469-38), 2015.08.18 M5.0 (160-13469-37), 2015.08.18 M5.0 (160-13469-38), 2015.08.18 M5.0 (160-13469-39), 2015.08.18 M5.0 (160-13469-37), 2015.08.18 M5.0 (160-13469-38), 2015.08.18 M5.0 (160-13469-39), 2015.08.18 M5.0 (160-13469-37), 2015.08.18 M5.0 (160-13469-38), 2015.08.18 M5.0 (160-13469-39), 2015.08.18 M5.0 (160-13469-37), 2015.08.18 M5.0 (160-13469-38), 2015.08.18 M5.0 (160-13469-39), 2015.08.18 M5.0 (160-13469-37), 2015.08.18 M5.0 (160-13469-38), 2015.08.18 M5.0 (160-13469-39), 2015.08.18 M5.0 (160-1

Analytical Batch: 208116

The matrix spike duplicate (MSD) recovery for preparation batch 160-207311 and analytical batch 160-208116 were outside control limits for 2,4-Dinitrotoluene. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits. 2015 08 18 F7.5 (160-13469-41), 2015 08 18 F7.5 (160-13469-41[MSD]) and 2015 08 18 DUP #04 (160-13469-42)

The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 160-207311 and analytical batch 160-208116 were outside control limits for Tetryl. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

2015 08 18 P0.4 (160-13469-37), 2015 08 18 P0.4 (160-13469-37[MS]), 2015 08 18 P0.4 (160-13469-37 [MSD]), 2015 08 18 H2 (160-13469-38), 2015 08 18 B2.3 (160-13469-39) and 2015 08 18 E6.5 (160-13469-40)

The matrix spike/ matrix spike duplicate (MS/MSD) recoveries for Tetryl in preparation batch 160-207310, 160-207311 and analytical batch 160-208116 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) and MS/MSD precision were within acceptance limits.

2015.08.17.A.5 (160-13469-1), 2015.08.17.A.3 (160-13469-2), 2015.08.17.A.1 (160-13469-3), 2015.08.17.A.1.6 (160-13469-4), 2015.08.17.C.1 (160-13469-5), 2015.08.17.C.1.6 (160-13469-6), 2015.08.17.C.3 (160-13469-7), 2015.08.17.C.5 (160-13469-8), 2015.08.17.E.5 (160-13469-9),

2015.08.17.E.3 (160-13469-10), 2015.08.17.G.1 (160-13469-11), 2015.08.17.E.1 (160-13469-12), 2015.08.17.G.3 (160-13469-13), 2015.08.17.G.5 (160-13469-14), 2015.08.17.DUP #01 (160-13469-15), 2015.08.17.H-4 (160-13469-16), 2015.08.17.H-4 (160-13469-16), 2015.08.17.H-4 (160-13469-16), 2015.08.17.H-4 (160-13469-17), 2015.08.17.K3 (160-13469-18), 2015.08.17.K5 (160-13469-19), 2015.08.17.K1 (160-13469-20), 2015.08.17.I-1 (160-13469-21), 2015.08.17 DUP #02 (160-13469-22), 2015 08 17 M1 (160-13469-23), 2015 08 17 M1 (160-13469-23), 2015 08 17 M1 (160-13469-24), 2015 08 18 M3 (160-13469-25), 2015 08 18 L4 (160-13469-26), 2015 08 18 M5 (160-13469-27), 2015 08 18 P0.7 (160-13469-32), 2015 08 18 Q0.4 (160-13469-33), 2015 08 18 P0.2 (160-13469-34), 2015 08 18 O0.2 (160-13469-35), 2015 08 18 DUP #03 (160-13469-36), (LCS 160-207310/2-A) and (MB 160-207310/1-A)

The CCV recovery for Tetryl is outside the QC limits of greater than 20%D. The associated samples were ND for this target analyte; therefore the sample data has been reported with this narrative. 2015.08.17.A.5 (160-13469-1), 2015.08.17.A.3 (160-13469-2), 2015.08.17.A.1 (160-13469-3), 2015.08.17.A.1.6 (160-13469-4), 2015.08.17.C.1 (160-13469-5), 2015.08.17.C.1.6 (160-13469-6), 2015.08.17.C.3 (160-13469-7), 2015.08.17.C.5 (160-13469-8), 2015.08.17.E.5 (160-13469-9), 2015.08.17.E.3 (160-13469-10), 2015.08.17.G.1 (160-13469-11), (CCV 160-208116/169), (CCV 160-208116/81), (CCV 160-208116/92), (LCS 160-206908/2-A), (LCS 160-207310/2-A), (LCSD 160-206908/3-A), (MB 160-206908/1-A) and (MB 160-207310/1-A)

The continuing calibration verification (CCV) associated with batch 160-208116 recovered above the upper control limit for 2-Amino-4,6-dinitrotoluene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following sample is impacted: (CCV 160-208116/114).

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

NITROAROMATICS AND NITRAMINES (HPLC)

Samples 2015 08 17 FIELD BLANK (160-13469-28), 2015 08 17 EQUIP BLANK (160-13469-29), 2015 08 18 FIELD BLANK (160-13469-30) and 2015 08 18 EQUIP BLANK (160-13469-31) were analyzed for Nitroaromatics and Nitramines (HPLC) in accordance with EPA SW-846 Method 8330B. The samples were prepared on 08/21/2015 and analyzed on 08/28/2015.

Prep: Batch: 206908

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 160-206908. An LCS/LCSD was performed on the batch.

Analytical Batch: 208116

The laboratory control sample (LCS) for preparation batch 160-206908 and analytical batch 160-208116 recovered outside control limits for the following analytes: HMX. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

The CCV recovery for Tetryl is outside the QC limits of greater than 20%D. The associated samples were ND for this target analyte; therefore the sample data has been reported with this narrative. 2015 08 17 FIELD BLANK (160-13469-28), 2015 08 17 EQUIP BLANK (160-13469-29), 2015 08 18 FIELD BLANK (160-13469-30), 2015 08 18 EQUIP BLANK (160-13469-31), (CCV 160-208116/169), (CCV 160-208116/81), (CCV 160-208116/92), (LCS 160-206908/2-A), (LCS 160-207310/2-A), (LCSD 160-206908/3-A), (MB 160-206908/1-A) and (MB 160-207310/1-A)

The continuing calibration verification (CCV) associated with batch 160-208116 recovered above the upper control limit for 2-Amino-4,6-dinitrotoluene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following sample is impacted: (CCV 160-208116/114).

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

METALS (ICPMS)

Samples 2015 08 18 O0.2 (160-13469-35), 2015 08 18 H2 (160-13469-38), 2015 08 18 B2.3 (160-13469-

39) and 2015 08 18 E6.5 (160-13469-40) were analyzed for metals (ICPMS) in accordance with EPA SW-846 Methods 6020A. The samples were prepared on 09/03/2015 and analyzed on 09/05/2015.

Analytical Batch: 209820

The following samples were diluted due to the abundance of non-target analytes. Samples are high in salts which can cause internal standard and instrument QC failure: 2015 08 18 O0.2 (160-13469-35), 2015 08 18 H2 (160-13469-38), 2015 08 18 B2.3 (160-13469-39), 2015 08 18 E6.5 (160-13469-40), (160-13414-B-1-D), (160-13414-B-1-E MS), (160-13414-B-1-F MSD) and (160-13414-B-1-D SD). Elevated reporting limits (RLs) are provided.

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

MERCURY

Samples 2015 08 18 O0.2 (160-13469-35), 2015 08 18 H2 (160-13469-38), 2015 08 18 B2.3 (160-13469-39) and 2015 08 18 E6.5 (160-13469-40) were analyzed for mercury in accordance with EPA SW-846 Method 7471B. The samples were prepared and analyzed on 09/08/2015.

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

Tetra Chlorinated Dioxins & Furans ID HRGC/HRMS

Samples 2015 08 18 O0.2 (160-13469-35), 2015 08 18 H2 (160-13469-38), 2015 08 18 B2.3 (160-13469-39) and 2015 08 18 E6.5 (160-13469-40) were analyzed for Dioxins/Furans in accordance with EPA Method 1613B. The samples were prepared on 08/24/2015 and analyzed on 08/26/2015.

Dioxin

Analytical Batch: 84244

1,2,3,4,6,7,8-HpCDD, 1,2,3,4,6,7,8-HpCDF, OCDD and OCDF were detected in method blank MB 320-83902/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Refer to the QC report for details.

The concentration of one or more analytes associated with the following samples exceeded the instrument calibration range: 2015 08 18 Oo.2 (160-13469-35) and 2015 08 18 E6.5 (160-13469-40). These analytes have been qualified; however, the peaks did not saturate the instrument detector. Historical data indicate that for the isotope dilution method, dilution and re-analysis will not produce significantly different results from those reported above the calibration range.

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

NITROCELLULOSE

Samples 2015 08 18 O0.2 (160-13469-35), 2015 08 18 H2 (160-13469-38), 2015 08 18 B2.3 (160-13469-39) and 2015 08 18 E6.5 (160-13469-40) were analyzed for Nitrocellulose in accordance with EPA Method 353.2. The samples were prepared and analyzed on 08/27/2015.

Analytical Batch: 84350

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for nitrocellulose for batch 84350 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits. 2015 08 18 H2MS (160-13469-38), 2015 08 18 H2MSD (160-13469-38). Refer to the QC report for details.

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

PERCENT SOLIDS

Samples 2015.08.17.A.5 (160-13469-1), 2015.08.17.A.3 (160-13469-2), 2015.08.17.A.1 (160-13469-3), 2015.08.17.A.1.6 (160-13469-4), 2015.08.17.C.1 (160-13469-5), 2015.08.17.C.1.6 (160-13469-6), 2015.08.17.C.3 (160-13469-7), 2015.08.17.C.5 (160-13469-8), 2015.08.17.E.5 (160-13469-9),

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2015.08.17.E.3 (160-13469-10), 2015.08.17.G.1 (160-13469-11), 2015.08.17.E.1 (160-13469-12), 2015.08.17.G.3 (160-13469-13), 2015.08.17.G.5 (160-13469-14), 2015.08.17.DUP #01 (160-13469-15), 2015.08.17.H-4 (160-13469-16), 2015.08.17.I5 (160-13469-17), 2015.08.17.K3 (160-13469-18), 2015.08.17.K5 (160-13469-19), 2015.08.17.K1 (160-13469-20), 2015.08.17.I-1 (160-13469-21), 2015.08.17 DUP #02 (160-13469-22), 2015 08 17 M1 (160-13469-23), 2015 08 18 N2 (160-13469-24), 2015 08 18 M3 (160-13469-25), 2015 08 18 L4 (160-13469-26), 2015 08 18 M5 (160-13469-27), 2015 08 18 P0.7 (160-13469-32), 2015 08 18 Q0.4 (160-13469-33), 2015 08 18 P0.2 (160-13469-34), 2015 08 18 O0.2 (160-13469-35), 2015 08 18 DUP #03 (160-13469-36), 2015 08 18 P0.4 (160-13469-37), 2015 08 18 F7.5 (160-13469-38), 2015 08 18 DUP #04 (160-13469-42) were analyzed for percent solids in accordance with EPA Method 160.3 MOD. The samples were analyzed on 08/24/2015.

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

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13715 Rider Trail North Earth City, MO 63045 Phone (314) 298-8566 Fax (314) 298-8757	Chain of Cust	iin of Custody Record	- R F	THE LEADER IN ENVIRONMENTAL TESTING
Client Information	Sampler GA BD	Lab PM: Ridenhower, Rhonda E	Carrier Tracking No(s):	COC No: 160-3118-1452.1
Cilent Contact Ms. Manhee Shaw	Phone:	E-Mail: rhonda.ridenhower@testamericainc.com		Page: Page1ot¥ ♡
Company: SEMS, Inc.		Analysis	Requested	Job #.
Address: 11628 South Chockaw St.	Due Date Requested:			Preservation Codes;
City. Batton Rouge State, Zip:	TAT Requested (days):			H cetate c. Acid SQ4
Phone: 225-924-2002(Tel)	Po#. 750-0001		L O I	G - Amchior S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate
Email: mshaw@semsinc.net	WO#.	(GN): ;	i date	
Project Name: Camp Minden Baseline Project	Project #. 16004539	jorea) jet List net bro		
She:	SSOW#:	X) (dg) graT b grat b		Other:
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Custody Seals Intact: Custody Seal No.:		Cooler Temperature(s) *C and Other Remarks:	Other Remarks:	
Δ Yes Δ NO				

Chain of Custody Record

TestAmerica St. Louis

13715 Rider Trail North

TestAmerica THE LEADER IN ENVIRONMENTAL TESTING

N - None
O - Ashado2
P - Na2O45
Q - Na2O45
Q - Na2S03
R - Na2S2S03
S - H2SO4
T - TSP Dodecalydrate
U - Acetone
V - MCAA
W - Ph 4-5
Z - other (specify) reservation Codes: COC No: 160-3118-1452.2 Page: Page 2 of ★ < Job #: Vumber of containers Analysis Requested rhonda.ridenhower@testamericainc.com Lab PM: Ridenhower, Rhonda E E-Mali: teil fegist 2.4 MJO (GOM) tal_I standard Target List CONTROL VIOLENCE Matrix (w≃water, Sample Type FAT Requested (days): Due Date Requested: Project#: 16004539 SSOW#: Po#: 750-0001 WO#: Earth City, MO 63045 Phone (314) 298-8566 Fax (314) 298-8757 Project Name: Camp Minden Baseline Project Address: 11628 South Choctaw St. Client Information nshaw@semsinc.net Phone: 225-924-2002(Tel) Client Contact: Ms. Maghee Shaw Baton Rouge Company: SEMS, Inc. State, Zip: LA, 70815

Special Instructions/Note:	A STATE OF THE PROPERTY OF THE					colleted ms/ms0	The second secon						er than 1 month)	Months			15 rad company	Company
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S=solid, E 2010	8 N	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Sample			Time:	Company Received by	Company
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	Sample identification	2015,08,17	11 80 5100	C) 80. SIOS	2015.00,17	2015,08,1	2015,08,17	2015.08 17	71805100	7015 08.17	21 80 5102	90150817	Possible Hazard Identification	Non-Hazard Flammable	Deliverable Requested: I, II, III, IV, Other (specify)	Empty Kit Relinguished by:	7	Service of the servic

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Custody Seal No.:

Custody Seals Intact. A Yes A No

Date/Time:

ooler Temperature(s) °C and Other Remarks:

Received by:

Chain of Custody Record

Earth City, MO 63045 Phone (314) 298-8566 Fax (314) 298-8757

TestAmerica St. Louis

13715 Rider Trail North

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Collected mysmy 0 - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2SO3 S - H2SO4 T - TSP Dodecatydrate V - MCAA W - ph 4-5 Z - other (specify) Special Instructions/Note: Months Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client Disposal By Lab Archive For Month Preservation Codes 160-3118-1452.3 F - MeOH G - Amchlor H - Ascorbic Acid Page 3 of C - Zn Acetate D - Nitric Acid E - NaHSO4 I - loe J - DI Water K - EDTA Total Aumber of containers ethod of Shipment Analysis Requested Cooler Temperature(s) °C and Other Remarks Special Instructions/QC Requirements Lab PM:
Ridenhower, Rhonda E
E-Mail:
rhonda.ridenhower@testamericainc.com X X X X 7 XXX XX X X 3260C - (MOD) Standard Target List X SUBS Pilos, Solid Solid Solid Solid Solid Solid 書の Solid Spig Solid Radiological (C=comp, G=grab) Sample Type 0 0 0 0 0 0 0 0 150 8/18/11/09/2 1130 1230 8/18/14/09/20 31/1/2/1/2 8/18/18 0800 8/18/15/0815 93 co 8/18/15/0840 9/18/10250 Sample SHO Date: Unknown TAT Requested (days): Due Date Requested: Sampler. (1 19 Date/Time: Sample Date つん 3411/8 8/18/18 Project #. 16004539 SSOW#. Po#. 750-0001 Poison B Field Blan Skin Irritant Deliverable Requested: I, II, III, IV, Other (specify) R 3 プロン・ア Custody Seal No.: 0817 RI Non-Hazard Flammable 00 00 Possible Hazard Identification DE. 20 Camp Minden Baseline Project 00 00 52 150 33 Empty Kit Relinquished by: Custody Seals Intact.

Δ Yes Δ No 11628 South Choctaw St. 201708 Client Information Sample Identification 80 SS 25 00 00 mshaw@semsinc.net 201502 CO 08 Ms. Maghee Shaw 225-924-2002(Tel) alinquished by: 5100 2015 Baton Rouge 23155 2017 2015 State, Zip: LA, 70815 2015 20 K SEMS, Inc.

Chain of Custody Record

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica

Earth City, MO 63045 Phone (314) 298-8566 Fax (314) <u>2</u>98-8757 TestAmerica St. Louis 13715 Rider Trail North

N - None
O - AsMaO2
P - Na2O4S
Q - Na2O5S
R - Na2SSSO3
S - H2SO4
T - TSP Dodecahydrate U - Acetone V - MCAA W - ph 4-5 Z - other (specify) Special Instructions/Note: reservation Codes COC No: 160-3118-1452.4 A-HCL
B-NaOH
C-ZnAcetate
D-Nitric Acid
E-NaHSO4
F-MeOH
G-Amchlor
H-Ascorbic Acid
I-Ice
I-Ice
K-EDTA Page 4 of 4 Job #: Analysis Requested Lab PW: Ridenhower, Rhonda E E-Mait: rhonda.ridenhower@testamericainc.com 121 Jegre T 2.4 MJO (GOM) - G0728 Matrix (C=comp, G=grab) Sample Type Sample TAT Requested (days): Date Requested: Sample Date Project # 16004539 SSOW#: Po#: 750-0001 WO#: Camp Minden Baseline Project 11628 South Choctaw St Client Information Sample Identification mshaw@semsinc.net 225-924-2002(Tel) Vis. Maghee Shaw Baton Rouge Company: SEMS, Inc. State, Zip: LA, 70815 roject Name:

Certain, S/107 Š $\mathcal{Z}_{ ext{diag}}$ Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client Disposal By Lab Archive For Mont 05W/5W なるしてい Ö Aethod of Shipmen Disposal By Lab Special Instructions/QC Requirements Return To Client X Received by 仪 又 X X X ハング Company Solid Radiological 1650 O 9 0 C O 2 8/18/18/0140 9/18/13/00 8/18/18/1320 7400 8 KB (15/1213 1395 0(18/1030 Date: Unknown 1/19/15 2/18/12 3(18/18 0/0/18 81818 のノーをのたれて Poison B Skin Irritant DOHOU 18 *∂* √3 2,5 Deliverable Requested: I, II, III, IV, Other (specify) 2.3 500 Po.7 \$. よれ Flammable Possible Hazard Identification 21207102 0000 000 $\tilde{\omega}$ رد ارد 5) 8180 81 20 2012/08/18 Empty Kit Relinquished by: 08 19 B CO O \mathcal{G} Non-Hazard 3 5102 Sing 2018 255 2107 2518 20 15 20 CS Page 17 of 250

garotir-lade RecAPS voce constituts + 2+ divitableers. Custody Seals Intact: Custody Seal No.: Δ Yes Δ No 米

704 introtoleene di-a-botylphotote

Cooler Temperature(s) °C and Other Remarks:

eceived by:

Company

elinquished by:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Chain of Custody Record

TestAmerica St. Louis

13715 Rider Trail North Earth City, MO 63045

0 - AsNaO2 P - Na204S Q - Na20503 R - Na202SO3 S - H2504 T - TSP Dodecatydrate Special Instructions/Note: U - Acetone V - MCAA W - ph 4-5 Z - other (specity) Months Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client Disposal By Lab Archive For Mont Special Instructions/QC Requirements: reservation Codes: COC No: 160-3119-1453.1 C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
G - Amchlor
H - Asorbic Acid Page: S I - Ice J - DI Water K - EDTA L - EDA Total Number of containers ethod of Shipment Analysis Requested E-Mail: rhonda.ridenhower@testamericainc.com ¥ Y 3015B_DRO - DRO Lab PM: Ridenhower, Rhonda E X X Time: Solid Solid Solid Solid Solid Radiological Type (C=comp, G=grab) Sample 0 J -1320 1345 1300 Sample 1000 Date: Unknown (AT Requested (days) Due Date Requested: 818115 613 \$18/K Sample Date 2/18/13 8/18 Project #: 16004539 SSOW#: Po#. 750-0001 Poison B WO#. Skin Imitant 20 eliverable Requested: I, II, III, IV, Other (specify) 2 Phone (314) 298-8566 Fax (314) 298-8757 - Flammable Possible Hazard Identification CD? Project Name: Camp Minden Baseline Project 3180 31 30 mpty Kit Relinquished by: 00 11628 South Choctaw St 0 Sample Identification Client Information mshaw@semsinc.net 225-924-2002(Tel) Ms. Maghee Shaw 2015 2018 Baton Rouge 2015 State, Zp: LA, 70815 SEMS, Inc.

Custody Seal No.:

Custody Seals Intact

Δ Yes Δ No

Company

Cooler Temperature(s) °C and Other Remarks:

1700

Date/Time

Separation of the separation o

1670

Date/Time:

@/(g/, & Date/Time:
Date/Time:

Login Sample Receipt Checklist

Client: SEMS, Inc

Job Number: 160-13469-1

Login Number: 13469

List Number: 1

Creator: Clarke, Jill C

List Source: TestAmerica St. Louis

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

Login Sample Receipt Checklist

Client: SEMS, Inc Job Number: 160-13469-1

Login Number: 13469 List Number: 2

Creator: Hytrek, Cheryl

List Source: TestAmerica Sacramento List Creation: 08/22/15 10:45 AM

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>True</td> <td></td>	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
s the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is fam:46mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Definitions/Glossary

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

Qualifiers

-		п	10	11		A
G	6	n	/IS	v	U	A

Qualifier	Qualifier Description	
*	ISTD response or retention time outside acceptable limits	
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	
*	RPD of the LCS and LCSD exceeds the control limits	
*	LCS or LCSD is outside acceptance limits.	
В	Compound was found in the blank and sample.	
F2	MS/MSD RPD exceeds control limits	
X	Surrogate is outside control limits	
F1	MS and/or MSD Recovery is outside acceptance limits.	

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
F1	MS and/or MSD Recovery is outside acceptance limits.
В	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
×	Surrogate is outside control limits
HDI CAC	

Qualifier	Qualifier Description	
F1	MS and/or MSD Recovery is outside acceptance limits.	
*	LCS or LCSD is outside acceptance limits.	
F2	MS/MSD RPD exceeds control limits	

Dioxin

Qualifier	Qualifier Description
В	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
E	Result exceeded calibration range.
q	The reported result is the estimated maximum possible concentration of this analyte, quantitated using the theoretical ion ratio. The measured ion ratio does not meet qualitative identification criteria and indicates a possible interference.
22 10 20	

Metals

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

General Chemistry

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

Glossary

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

Definitions/Glossary

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Method Summary

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL SL
3270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL SL
8015B	Gasoline Range Organics - (GC)	SW846	TAL SL
3015B	Diesel Range Organics (DRO) (GC)	SW846	TAL SL
330B	Nitroaromatics and Nitramines (HPLC)	SW846	TAL SL
613B	Dioxins and Furans (HRGC/HRMS)	40CFR136A	TAL SAC
020A	Metals (ICP/MS)	SW846	TAL SL
'471B	Mercury (CVAA)	SW846	TAL SL
/loisture	Percent Moisture	EPA	TAL SL
VS-WC-0050	Nitrocellulose	TAL-SAC	TAL SAC

Protocol References:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

EPA = US Environmental Protection Agency

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

TAL-SAC = TestAmerica Laboratories, West Sacramento, Facility Standard Operating Procedure.

Laboratory References:

TAL SAC = TestAmerica Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

TAL SL = TestAmerica St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Sample Summary

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
160-13469-1	2015.08.17.A.5	Solid	08/17/15 10:20	08/20/15 09:1
160-13469-2	2015.08.17.A.3	Solid	08/17/15 10:30	08/20/15 09:1
160-13469-3	2015.08.17.A.1	Solid	08/17/15 10:40	08/20/15 09:1
160-13469-4	2015.08.17.A.1.6	Solid	08/17/15 10:50	08/20/15 09:1
160-13469-5	2015.08.17.C.1	Solid	08/17/15 11:00	08/20/15 09:1
160-13469-6	2015.08.17.C.1,6	Solid	08/17/15 11:15	08/20/15 09:1
160-13469-7	2015.08.17.C.3	Solid	08/17/15 11:30	08/20/15 09:1
160-13469-8	2015.08.17.C.5	Solid	08/17/15 12:00	08/20/15 09:1
60-13469-9	2015.08.17.E.5	Solid	08/17/15 12:15	08/20/15 09:1
60-13469-10	2015.08.17.E.3	Solid	08/17/15 12:30	08/20/15 09:1
60-13469-11	2015.08.17.G.1	Solid	08/17/15 12:40	08/20/15 09:1
60-13469-12	2015.08.17.E.1	Solid	08/17/15 12:50	08/20/15 09:1
60-13469-13	2015.08.17.G.3	Solid	08/17/15 13:00	08/20/15 09:1
60-13469-14	2015.08.17.G.5	Solid	08/17/15 14:50	08/20/15 09:1
60-13469-15	2015.08.17.DUP #01	Solid	08/17/15 14:50	08/20/15 09:1
60-13469-16	2015.08.17.H-4	Solid	08/17/15 15:00	08/20/15 09:1
60-13469-17	2015.08.17.15	Solid	08/17/15 16:00	08/20/15 09:1
60-13469-18	2015.08.17.K3	Solid	08/17/15 16:10	08/20/15 09:1
60-13469-19	2015.08.17.K5	Solid	08/17/15 16:20	08/20/15 09:1
60-13469-20	2015.08.17.K1	Solid	08/17/15 16:45	08/20/15 09:1
60-13469-21	2015.08.17.I-1	Solid	08/17/15 17:00	08/20/15 09:1
60-13469-22	2015.08.17 DUP #02	Solid	08/17/15 17:00	08/20/15 09:1
60-13469-23	2015 08 17 M1	Solid		08/20/15 09:1
60-13469-24	2015 08 18 N2	Solid	08/18/15 08:00	08/20/15 09:1
60-13469-25	2015 08 18 M3	Solid		08/20/15 09:1
60-13469-26	2015 08 18 L4	Solid	08/18/15 08:40	08/20/15 09:1
60-13469-27	2015 08 18 M5	Solid		08/20/15 09:1
60-13469-28	2015 08 17 FIELD BLANK	Water		08/20/15 09:1
60-13469-29	2015 08 17 EQUIP BLANK	Water		08/20/15 09:1
60-13469-30	2015 08 18 FIELD BLANK	Water		08/20/15 09:1
60-13469-31	2015 08 18 EQUIP BLANK	Water		08/20/15 09:1
60-13469-32	2015 08 18 P0.7	Solid		08/20/15 09:1
60-13469-33	2015 08 18 Q0.4	Solid		08/20/15 09:1
60-13469-34	2015 08 18 P0.2	Solid		08/20/15 09:1
60-13469-35	2015 08 18 00.2	Solid		08/20/15 09:1
60-13469-36	2015 08 18 DUP #03	Solid		08/20/15 09:1
60-13469-37	2015 08 18 P0.4	Solid	#3504 GUOZ 1250 T	08/20/15 09:1
60-13469-38	2015 08 18 H2	Solid		08/20/15 09:1
60-13469-39	2015 08 18 B2.3	Solid	08/18/15 13:20	
60-13469-40	2015 08 18 E6.5	Solid		08/20/15 09:1
60-13469-41	2015 08 18 F7.5	Solid		08/20/15 09:1
60-13469-42	2015 08 18 DUP #04	Solid		08/20/15 09:1
60-13469-43	2015 08 19 TRIP BLK 01	Water		08/20/15 09:1
60-13469-44	2015 08 19 TRIP BLK 02	Water		08/20/15 09:1
30-13469-45	2015 08 19 TRIP BLK 03	Water		08/20/15 09:1
50-13469-46	2015 08 19 TRIP BLK 04	Water	08/19/15 00:00	
30-13469-47	2015 08 19 TRIP BLK 05	Water		08/20/15 09:1
60-13469-48	2015 08 19 TRIP BLK 06	Water		
30-13469-49	2015 08 19 TRIP BLK 07			08/20/15 09:1
50-13469-49 50-13469-50		Water		08/20/15 09:1
	2015 08 19 TRIP BLK 08	Water	08/19/15 00:00	
60-13469-51 60-13469-52	2015 08 19 TRIP BLK 09	Water		08/20/15 09:1
60-13469-52	2015 08 19 TRIP BLK 10	Water		08/20/15 09:1
60-13469-53	2015 08 19 TRIP BLK 11	Water	08/19/15 00:00	08/20/15 09:1

Client: SEMS, Inc	
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Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

maritaria araba sa matalanda an									
Client Sample ID: 20	15.08.17.A.5					Lab S	ample ID:	160-13469-1	
No Detections.							11) 12		
Client Sample ID: 20	15.08.17.A.3					Lab S	ample ID:	160-13469-2	
No Detections.									
Client Sample ID: 20	15.08.17.A.1					Lab Sample ID: 160-13469-			
No Detections.									
Client Sample ID: 20	15.08.17.A.1.6					Lab S	ample ID:	160-13469-4	
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D Method	Prep Type	
Acetone	8.9	J	18	5.9	ug/Kg	1	₿ 8260C	Total/NA	
Client Sample ID: 20	15.08.17.C.1					Lab S	ample ID:	160-13469-5	
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D Method	Prep Type	
Xylenes, Total	0.78	J	8.9	0.76	ug/Kg	1	₿ 8260C	Total/NA	
Client Sample ID: 20	15.08.17.C.1.6					Lab Sample ID: 160-13469			
Analyte	Result	Qualifier	RL	MDL	Unit		D Method	Prep Type	
Acetone	12		18		ug/Kg		₩ 8260C	Total/NA	
Ethylbenzene	0.54		4.6		ug/Kg		□ 8260C	Total/NA	
Xylenes, Total	7.4	J	9.1	0.78	ug/Kg	1	8260C	Total/NA	
Client Sample ID: 20	15.08.17.C.3					Lab S	ample ID:	160-13469-7	
No Detections.									
Client Sample ID: 20	15.08.17.C.5				-	Lab S	ample ID:	160-13469-8	
No Detections.									
Client Sample ID: 20	15.08.17.E.5					Lab S	Sample ID:	160-13469-9	
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D Method	Prep Type	
Acetone	14	J	18	6.0	ug/Kg	1	₱ 8260C	Total/NA	
Client Sample ID: 20	15.08.17.E.3					Lab Sa	mple ID: 1	60-13469-10	
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D Method	Prep Type	
Xylenes, Total	0.86	J	9.6		ug/Kg	1	₱ 8260C	Total/NA	
Client Sample ID: 20	15.08.17.G.1					Lab Sa	mple ID: 1	60-13469-11	
Analyte	Result	Qualifier	RL	MDL	Unit		D Method	Prep Type	
Acetone		JB	17	5.5	ug/Kg	1	₿ 8260C	Total/NA	
Vidence Total	0.0	1.1	0.0	0.70	111	4	25 00000	T-4-1/A 1 A	

This Detection Summary does not include radiochemical test results.

2.2 J

Xylenes, Total

TestAmerica St. Louis

1 \$ 8260C

8.6

0.73 ug/Kg

Total/NA

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

Client Sample ID: 2015.08.17.E.1							Lab Sample ID: 160-13469-12				
No Detections.							7.77				
Client Sample ID: 2015.	08.17.G.3					Lab S	an	nple ID: 1	60-13469-13		
No Detections.											
Client Sample ID: 2015.	08.17.G.5					Lab S	an	nple ID: 1	60-13469-14		
No Detections.											
Client Sample ID: 2015.	08.17.DUP #	01				Lab S	an	nple ID: 1	60-13469-15		
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type		
Acetone	16	J	19	6.1	ug/Kg	1	₩	8260C	Total/NA		
Client Sample ID: 2015.08.17.H-4							an	nple ID: 1	60-13469-16		
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type		
Xylenes, Total	1 1 10 10 10 10 10 10 10 10 10 10 10 10	JF2	10		ug/Kg		-	8260C	Total/NA		
Client Sample ID: 2015.0	08.17.15					Lab S	an	ple ID: 1	60-13469-17		
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type		
Acetone	27		18	5.9	ug/Kg	1	喜	8260C	Total/NA		
Bis(2-ethylhexyl) phthalate	120	JB	380		ug/Kg			8270D	Total/NA		
Client Sample ID: 2015.0	08.17.K3					Lab S	an	ple ID: 1	60-13469-18		
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type		
Xylenes, Total	1.6	J	9.1	0.78	ug/Kg		蓉	8260C	Total/NA		
Bis(2-ethylhexyl) phthalate	110	JB	370		ug/Kg			8270D	Total/NA		
Client Sample ID: 2015.0	08.17.K5					Lab S	an	ple ID: 10	60-13469-19		
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type		
Bis(2-ethylhexyl) phthalate	120	700 TO	370	12.75.7	ug/Kg			8270D	Total/NA		
Client Sample ID: 2015.0	08.17.K1					Lab S	an	ple ID: 10	60-13469-20		
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type		
Bis(2-ethylhexyl) phthalate	130		410		ug/Kg			8270D	Total/NA		
Client Sample ID: 2015.0	8.17.I-1					Lab S	am	ple ID: 10	60-13469-21		
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type		
2-Butanone (MEK)	3.5	J	19	1.9	ug/Kg		苺	8260C	Total/NA		
Acetone	74		19		ug/Kg			8260C	Total/NA		
Bis(2-ethylhexyl) phthalate	130	JB	370		ug/Kg			8270D	Total/NA		
Client Sample ID: 2015.0	8.17 DUP #	02				Lab Sa	am	ple ID: 16	60-13469-22		

This Detection Summary does not include radiochemical test results.

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

Client Sample ID: 2015	.08.17 DUP#	uz (Contini	uea)			Lab Sa	am	ipie iu: 10	60-13469-2
Analyte	Result	Qualifier	RL	MDL	Unit			Method	Prep Type
Acetone	31		20	6.4	ug/Kg	1	*	8260C	Total/NA
Client Sample ID: 2015	08 17 M1					Lab Sa	an	ple ID: 10	60-13469-2
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone		JF1	19		ug/Kg		-	8260C	Total/NA
Client Sample ID: 2015	08 18 N2					Lab Sa	am	ple ID: 10	60-13469-2
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	7.4	100000000000000000000000000000000000000	20		ug/Kg			8260C	Total/NA
Client Sample ID: 2015	08 18 M3					Lab Sa	an	ple ID: 10	60-13469-2
Analyte	Result	Qualifier	RL	MDI	Unit		5.	Method	Prep Type
Ethylbenzene	0.33		5.1		ug/Kg		登		Total/NA
Xylenes, Total	2.1		10		ug/Kg ug/Kg			8260C 8260C	Total/NA
Client Sample ID: 2015	08 18 L4					Lab Sa	am	ple ID: 10	60-13469-2
Analyte	150.00	Qualifier	DI.	MDI	Helt			5.74-75	T. S. Land Street
2-Butanone (MEK)	24	Qualifier	RL 10		Unit ug/Kg			Method 8260C	Prep Type
Acetone (WEK)	150		18						Total/NA
	0.69	4	18		ug/Kg	3		8260C	Total/NA
Benzene	0.09	J	4.5	0.22	ug/Kg	4	**	8260C	Total/NA
Client Sample ID: 2015	08 18 M5					Lab Sa	am	ple ID: 10	60-13469-2
Analyte		Qualifier	RL	MDL	Unit	Dil Fac		Method	Prep Type
2-Butanone (MEK)	2.8	J	16	1.6	ug/Kg		*	8260C	Total/NA
Acetone	45		16	5.3	ug/Kg	1	*	8260C	Total/NA
Client Sample ID: 2015	08 17 FIELD	BLANK				Lab Sa	am	ple ID: 10	60-13469-2
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.17	J	5.0	0.15	ug/L	1	-	8260C	Total/NA
Client Sample ID: 2015	08 17 EQUIP	BLANK				Lab Sa	an	ple ID: 10	60-13469-2
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene		JB	5.0		ug/L	1	Ξ	8260C	Total/NA
Client Sample ID: 2015	08 18 FIELD	BLANK				Lab Sa	an	ple ID: 10	60-13469-3
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	0.57	JB	5.0		ug/L	1		8260C	Total/NA
Client Sample ID: 2015	08 18 EQUIP	BLANK				Lab Sa	an	ple ID: 10	60-13469-3
Analyte	Result	Qualifier	RL	MDI	Unit	Dil Fac	D	Method	Prep Type

This Detection Summary does not include radiochemical test results.

Client: SEMS, Inc.

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

ent Sample ID: 2015 08 18 P0.7	Lab Sample ID: 160-13469-32

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	4.5	J	17	1.6	ug/Kg	1		8260C	Total/NA
Acetone	45		17	5.5	ug/Kg	1	*	8260C	Total/NA

Client Sample ID: 2015 08 18 Q0.4	Lab Sample ID: 160-13469-33

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	5.4	J	18	1.7	ug/Kg	1	亞	8260C	Total/NA
Acetone	51		18	5.7	ug/Kg	1	*	8260C	Total/NA

Client Sample ID: 2015 08 18 P0.2

Lab Sample ID: 160-13469-34

No Detections.

Client Sample ID: 2015 08 18 O0.2

Lab Sample ID: 160-13469-35

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Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
2,3,7,8-TCDD	0.76	J	1.2	0.057	pg/g		蕁	1613B	Total/NA
2,3,7,8-TCDF	0.30	J	1.2	0.049	pg/g	1	尊	1613B	Total/NA
1,2,3,7,8-PeCDD	0.81	J	5.8	0.095	pg/g	1	*	1613B	Total/NA
1,2,3,4,7,8-HxCDD	0.78	J	5.8	0.076	pg/g	1	α	1613B	Total/NA
1,2,3,6,7,8-HxCDD	2.0	J	5.8	0.074		1	*	1613B	Total/NA
1,2,3,7,8,9-HxCDD	2.2	J	5.8	0.065	pg/g	1	*	1613B	Total/NA
1,2,3,4,7,8-HxCDF	0.23	J	5.8	0.047	pg/g	1	*	1613B	Total/NA
1,2,3,6,7,8-HxCDF	0.19	J	5.8	0.045	pg/g	1	*	1613B	Total/NA
1,2,3,4,6,7,8-HpCDD	66	В	5.8		pg/g	1	⇔	1613B	Total/NA
1,2,3,4,6,7,8-HpCDF	2.5	JB	5.8	0.076	pg/g	1	₩	1613B	Total/NA
OCDD	5600	EB	12	2.9	pg/g	1	⇔	1613B	Total/NA
OCDF	9.4	JB	12	0.059	pg/g	1	*	1613B	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	17		2.8	0.73	mg/Kg	5	亞	6020A	Total/NA
Barium	1100		5.6	0.26	mg/Kg	5	*	6020A	Total/NA
Cadmium	4.9		0.14	0.045	mg/Kg	5	*	6020A	Total/NA
Chromium	22		2.8	1.3	mg/Kg	5	*	6020A	Total/NA
Lead	61		0.84	0.28	mg/Kg	5	*	6020A	Total/NA
Selenium	2.6		1.4		mg/Kg	5	*	6020A	Total/NA
Silver	0.21	J	0.56		mg/Kg	5	*	6020A	Total/NA
Mercury	0.034	J	0.037	0.012	mg/Kg	1	*	7471B	Total/NA

Client Sample ID: 2015 08 18 DUP #03

Lab Sample ID: 160-13469-36

No Detections.

Client Sample ID: 2015 08 18 P0.4

Lab Sample ID: 160-13469-37

No Detections.

Client Sample ID: 2015 08 18 H2

Lab Sample ID: 160-13469-38

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
1,2,3,4,7,8-HxCDD	0.081	J	5.5	0.044	pg/g	1	菜	1613B	Total/NA
1,2,3,6,7,8-HxCDD	0.13	J	5.5	0.042	pg/g	1	*	1613B	Total/NA

This Detection Summary does not include radiochemical test results.

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

Client Sample ID: 2015 08 18 H2 (Continued)

TestAmerica Job ID: 160-13469-1

Lab Sample ID: 160-13469-38

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
1,2,3,7,8,9-HxCDD	0.22	Jq	5.5	0.037	pg/g	1	T	1613B	Total/NA
1,2,3,4,7,8-HxCDF	0.072	J	5.5	0.029	pg/g	1	尊	1613B	Total/NA
1,2,3,6,7,8-HxCDF	0.061	J	5.5	0.028	pg/g	1	**	1613B	Total/NA
1,2,3,7,8,9-HxCDF	0.049	J	5.5	0.027	pg/g	- 1	10	1613B	Total/NA
2,3,4,6,7,8-HxCDF	0.074	Jq	5.5	0.026	pg/g	1	尊	1613B	Total/NA
1,2,3,4,6,7,8-HpCDD	3.2	JB	5.5	0.11	pg/g	1	禁	1613B	Total/NA
1,2,3,4,6,7,8-HpCDF	0.25	JB	5.5	0.044	pg/g	1	尊	1613B	Total/NA
OCDD	210	В	11	0.17	pg/g	1	*	1613B	Total/NA
OCDF	0.57	JB	11	0.045	pg/g	1	*	1613B	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type

Arsenic	2.5 J	2.6	0.68	mg/Kg	5	故	6020A	Total/NA
Barium	30	5.3	0.25	mg/Kg	5	尊	6020A	Total/NA
Cadmium	15	0.13	0.042	mg/Kg	5	*	6020A	Total/NA
Chromium	6.7	2.6	1.2	mg/Kg	5	*	6020A	Total/NA
Lead	14	0.79	0.26	mg/Kg	5	**	6020A	Total/NA
Selenium	1.1 J		0.41	mg/Kg	5	*	6020A	Total/NA
73404								

Client Sample ID: 2015 08 18 B2.3

Lab Sample ID: 160-13469-39

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
1,2,3,4,7,8-HxCDD	0.16	Jq	6.0	0.049	pg/g	1	菜	1613B	Total/NA
1,2,3,6,7,8-HxCDD	0.093	Jq	6.0	0.048	pg/g	1	*	1613B	Total/NA
1,2,3,7,8,9-HxCDD	0.27	J	6.0	0.042	pg/g	1	*	1613B	Total/NA
1,2,3,4,6,7,8-HpCDD	8.9	В	6.0	0.29	pg/g	1	*	1613B	Total/NA
OCDD	970	В	12	0.67	pg/g	1	*	1613B	Total/NA
OCDF	0.27	JB	12	0.051	pg/g	1	草	1613B	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	5.8	77. 77. 77. 77. 77. 77. 77. 77. 77. 77.	2.8	0.73	mg/Kg	5	故	6020A	Total/NA
Barium	160		5.6	0.26	mg/Kg	5	ø	6020A	Total/NA
Chromium	24		2.8	1.3	mg/Kg	5	*	6020A	Total/NA
Lead	19		0.84	0.28	mg/Kg	5	*	6020A	Total/NA
Selenium	2.4		1.4	0.44	mg/Kg	5	*	6020A	Total/NA
Mercury	0.013	J	0.039	0.013	mg/Kg	1	袋	7471B	Total/NA

Client Sample ID: 2015 08 18 E6.5

Lab Sample ID: 160-13469-40

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
2,3,7,8-TCDF	0.075	Jq	1.2	0.047	pg/g	1	芟	1613B	Total/NA
1,2,3,4,7,8-HxCDD	0.28	Jq	5.8	0.061	pg/g	1	数	1613B	Total/NA
1,2,3,6,7,8-HxCDD	0.37	Jq	5.8	0.060	pg/g	1	*	1613B	Total/NA
1,2,3,7,8,9-HxCDD	0.49	Jq	5.8	0.052	pg/g	1	鉄	1613B	Total/NA
1,2,3,4,7,8-HxCDF	0.080	Jq	5.8	0.034	pg/g	1	*	1613B	Total/NA
1,2,3,6,7,8-HxCDF	0.092	J	5.8	0.031	pg/g	1	*	1613B	Total/NA
1,2,3,7,8,9-HxCDF	0.083	Jq	5.8	0.032	pg/g	1	ø	1613B	Total/NA
2,3,4,6,7,8-HxCDF	0.058	J	5.8	0.029	pg/g	1	*	1613B	Total/NA
1,2,3,4,6,7,8-HpCDD	29	В	5.8	1.3	pg/g	1	*	1613B	Total/NA
1,2,3,4,6,7,8-HpCDF	0.46	JB	5.8	0.057	pg/g	1	鉄	1613B	Total/NA
OCDD	7300	EB	12	4.0	pg/g	1	*	1613B	Total/NA
OCDF	1.0	JB	12	0.062	pg/g	1	벞	1613B	Total/NA

This Detection Summary does not include radiochemical test results.

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

Client Sample ID: 2015	00 10 E0.3 (Continued	')			Lab 3	an	ipie ib. io)-13469-4
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	100		19	6.0	ug/Kg	1	卒	8260C	Total/NA
Arsenic	6.0		2.9	0.75	mg/Kg	5	Þ	6020A	Total/NA
Barium	100		5.8	0.27	mg/Kg	5	*	6020A	Total/NA
Cadmium	0.21		0.14	0.046	mg/Kg	5	尊	6020A	Total/NA
Chromium	19		2.9	1.3	mg/Kg	5	尊	6020A	Total/NA
Lead	19		0.87	0.29	mg/Kg	5	*	6020A	Total/NA
Selenium	2.6		1.4		mg/Kg	5	*	6020A	Total/NA
Mercury	0.053		0.039		mg/Kg	1	*	7471B	Total/NA
Nitrocellulose	1.0	J	5.9	0.92	mg/Kg	1	*	WS-WC-0050	Total/NA
Client Sample ID: 2015	08 18 F7.5					Lab Sa	an	ple ID: 160)-13469-4°
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	23	F1 F2	23	7.4	ug/Kg	1	吞	8260C	Total/NA
Client Sample ID: 2015	08 18 DUP #	04				Lab Sa	an	ple ID: 160	-13469-42
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	23	7	21	6.8	ug/Kg	1	苺	8260C	Total/NA
Client Sample ID: 2015	08 19 TRIP E	3LK 01				Lab Sa	am	ple ID: 160	-13469-4
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	11	J	20	6.7	ug/L	1	$\overline{}$	8260C	Total/NA
Trichloroethene	0.51	JB	5.0	0.29	ug/L	1		8260C	Total/NA
Client Sample ID: 2015	08 19 TRIP E	BLK 02				Lab Sa	am	ple ID: 160	-13469-44
Analyte		Qualifier	RL	MDL	70.17.00	Dil Fac	D	Method	Prep Type
Acetone	12	J	20		ug/L	1		8260C	Total/NA
Trichloroethene	0.71	JB	5.0	0.29	ug/L	1		8260C	Total/NA
Client Sample ID: 2015	08 19 TRIP E	3LK 03				Lab Sa	am	ple ID: 160	-13469-45
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	16	5.10	20		ug/L	1	T	8260C	Total/NA
Trichloroethene	0.88	JB	5.0	0.29	ug/L	1		8260C	Total/NA
lient Sample ID: 2015	08 19 TRIP E	BLK 04				Lab Sa	am	ple ID: 160	-13469-46
Analyte		Qualifier	RL	MDL		Dil Fac	D	Method	Prep Type
Acetone	14		20		ug/L	1		8260C	Total/NA
Trichloroethene	0.84	JB	5.0	0.29	ug/L	1		8260C	Total/NA
Client Sample ID: 2015	08 19 TRIP E	LK 05				Lab Sa	am	ple ID: 160	-13469-47
Analyte		Qualifier	RL	MDL		Dil Fac	D		Prep Type
Acetone	9.8	J	20	6.7	ug/L	1		8260C	Total/NA
lient Sample ID: 2015									

This Detection Summary does not include radiochemical test results.

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

Client Sample ID: 2	015 08 19 TRIP E	3LK 06 (Co	ntinued)			Lab Sar	nple ID: 1	60-13469-48
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac D	Method	Prep Type
Acetone	7.5	J	20	6.7	ug/L	1	8260C	Total/NA
Client Sample ID: 2	015 08 19 TRIP E	BLK 07				Lab Sar	nple ID: 1	60-13469-49
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac D	Method	Prep Type
Acetone - RA	9.9	J	20	6.7	ug/L	1	8260C	Total/NA
Client Sample ID: 2	015 08 19 TRIP E	3LK 08				Lab Sar	mple ID: 1	60-13469-50
No Detections.								
Client Sample ID: 2	015 08 19 TRIP E	3LK 09				Lab Sar	nple ID: 1	60-13469-51
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac D	Method	Prep Type
Acetone	11	J	20	6.7	ug/L	1	8260C	Total/NA
Client Sample ID: 2	015 08 19 TRIP E	BLK 10				Lab Sar	mple ID: 1	60-13469-52
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac D	Method	Prep Type
Acetone	12	J	20	6.7	ug/L	1	8260C	Total/NA
Client Sample ID: 2	015 08 19 TRIP E	3LK 11				Lab Sar	mple ID: 1	60-13469-53
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac D	Method	Prep Type

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

Client Sample ID: 2015.08.17.A.5

Date Collected: 08/17/15 10:20 Date Received: 08/20/15 09:15 Lab Sample ID: 160-13469-1

Matrix: Solid Percent Solids: 72.7

Method: 8260C - Volatile O Analyte		Qualifier	RI	MDL	Unit	D	Prepared	Analyzed	Dil Fa
1,1,1,2-Tetrachloroethane	ND		5.3		ug/K		The state of the s	AND RESERVED AND ADDRESS OF THE PARTY OF THE	-
1,1,1-Trichloroethane	ND	i i	5.3			7	08/23/15 03:00		
1,1,2,2-Tetrachloroethane	ND		5.3	0.42			08/23/15 03:00	08/23/15 06:40	7 19
1,1,2-Trichloroethane	ND		5.3	0.60		Ti and the state of the state o	08/23/15 03:00	08/23/15 06:40	
1,1-Dichloroethane	ND		5.3	0.41		T	08/23/15 03:00	08/23/15 06:40	
1,1-Dichloroethene	ND		5.3		ug/K	-	08/23/15 03:00	08/23/15 06:40	
1,2-Dibromo-3-Chloropropane	ND		1		ug/K	7	08/23/15 03:00	08/23/15 06:40	
1,2-Dichloroethane	ND		5.3		ug/K	7	08/23/15 03:00	08/23/15 06:40	
1,2-Dichloropropane	ND		5.3			7	08/23/15 03:00	08/23/15 06:40	
1,3-Dichloropropene, Total	ND		1						
2-Butanone (MEK)	ND		2			7) (3)			
4-Methyl-2-pentanone (MIBK)	ND		2			7		08/23/15 06:40	
Acetone	ND		2		ug/K	7		08/23/15 06:40	
Benzene	ND		5.3		ug/K			08/23/15 06:40	
Bromodichloromethane	ND		5.3		ug/K	71.2		08/23/15 06:40	
Bromoform	ND		5.3		ug/K	-		08/23/15 06:40	
Bromomethane	ND		11		ug/K	-		08/23/15 06:40	
Carbon disulfide	ND		5.3		ug/K	-		08/23/15 06:40	
Carbon tetrachloride	ND		5.3		ug/K	1	08/23/15 03:00		
Chlorobenzene	ND		5.3		ug/K			08/23/15 06:40	
Chlorodibromomethane	ND		5.3		ug/Kg		08/23/15 03:00	08/23/15 06:40	
Chloroethane	ND		11			71			
Chloroform	ND		5.3		ug/Kg	The state of the s	08/23/15 03:00	08/23/15 06:40	
Chloromethane	ND		11		ug/K	5	08/23/15 03:00	08/23/15 06:40	
cis-1,2-Dichloroethene					ug/Kg	7	08/23/15 03:00	08/23/15 06:40	
	ND		5.3		ug/Kg	7	08/23/15 03:00	08/23/15 06:40	
Ethylbenzene	ND		5.3		ug/Ko	2	08/23/15 03:00	08/23/15 06:40	- 3
Hexachlorobutadiene	ND		5.3		100000	3 10	08/23/15 03:00	08/23/15 06:40	1
Isobutyl alcohol	ND		210		110000000000000000000000000000000000000		08/23/15 03:00		1
Methyl tert-butyl ether	ND		5.3	10.000	100		08/23/15 03:00		1
Methylene Chloride	ND		5.3			77.00	08/23/15 03:00	08/23/15 06:40	1
Styrene	ND		5.3	5,34			08/23/15 03:00	08/23/15 06:40	1
Tetrachloroethene	ND		5.3			164	08/23/15 03:00	08/23/15 06:40	1
Toluene	ND		5.3				08/23/15 03:00	08/23/15 06:40	1
trans-1,2-Dichloroethene	ND		5.3		100		08/23/15 03:00	08/23/15 06:40	1
Trichloroethene	ND		5.3		ug/Ko			08/23/15 06:40	1
Trichlorofluoromethane	ND		5.3		ug/Kg	and the same of th	08/23/15 03:00	08/23/15 06:40	1
Vinyl chloride	ND		5.3		ug/Kg		08/23/15 03:00	08/23/15 06:40	1
Xylenes, Total	ND		11	0.90	ug/Kg	1 0	08/23/15 03:00	08/23/15 06:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	117		72 - 127				08/23/15 03:00	08/23/15 06:40	7
1-Bromofluorobenzene (Surr)	137		63 - 150				08/23/15 03:00	08/23/15 06:40	1
Dibromofluoromethane (Surr)	115		70 - 126				08/23/15 03:00	08/23/15 06:40	1
Toluene-d8 (Surr)	113		80 - 120				08/23/15 03:00	08/23/15 06:40	1
Method: 8270D - Semivolat	ile Organic Co	mpounds	(GC/MS)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		450	45	ug/Kg		08/26/15 12:51	08/28/15 19:11	1
1,2,4,5-Tetrachlorobenzene	ND		450				08/26/15 12:51	08/28/15 19:11	1.1
,2,4-Trichlorobenzene	ND		450	A.E.	ug/Kg		08/26/15 12:51	08/28/15 19:11	1

Client: SEMS, Inc.

Project/Site: Camp Minden Baseline Project

Client Sample ID: 2015.08.17.A.5

Date Collected: 08/17/15 10:20 Date Received: 08/20/15 09:15 TestAmerica Job ID: 160-13469-1

Lab Sample ID: 160-13469-1

Matrix: Solid Percent Solids: 72.7

Analyte	Result Qualifier	RL	MDL		D	Prepared	Analyzed	Dil F
1,2-Dichlorobenzene	ND	450	45	ug/Kg	*	08/26/15 12:51	08/28/15 19:11	
1,3-Dichlorobenzene	ND	450	45	ug/Kg	*	08/26/15 12:51	08/28/15 19:11	
1,3-Dinitrobenzene	ND	450	45	ug/Kg	×	08/26/15 12:51	08/28/15 19:11	
,4-Dichlorobenzene	ND	450	45	ug/Kg	尊	08/26/15 12:51	08/28/15 19:11	
,3,4,6-Tetrachlorophenol	ND	2200	45	ug/Kg	**	08/26/15 12:51	08/28/15 19:11	
,4,5-Trichlorophenol	ND	450	45	ug/Kg	ø	08/26/15 12:51	08/28/15 19:11	
,4,6-Trichlorophenol	ND	450	45	ug/Kg	*	08/26/15 12:51	08/28/15 19:11	
4-Dichlorophenol	ND	450	45	ug/Kg	**	08/26/15 12:51	08/28/15 19:11	
,4-Dimethylphenol	ND	450	45	ug/Kg	**	08/26/15 12:51	08/28/15 19:11	
,4-Dinitrophenol	ND *	2200	450	ug/Kg	尊	08/26/15 12:51	08/28/15 19:11	
,4-Dinitrotoluene	ND	450	45	ug/Kg	₩	08/26/15 12:51	08/28/15 19:11	
,6-Dinitrotoluene	ND	450	45	ug/Kg	*	08/26/15 12:51	08/28/15 19:11	
-Chloronaphthalene	ND	450	45	ug/Kg	数	08/26/15 12:51	08/28/15 19:11	
-Chlorophenol	ND	450	45	ug/Kg	⇔	08/26/15 12:51	08/28/15 19:11	
-Methylnaphthalene	ND	450	45	ug/Kg	40		08/28/15 19:11	
-Nitroaniline	ND	450	45	ug/Kg	*	08/26/15 12:51	08/28/15 19:11	
,3'-Dichlorobenzidine	ND	2200	450	ug/Kg	13	08/26/15 12:51		
-Nitroaniline	ND	450	45	ug/Kg	*	08/26/15 12:51	08/28/15 19:11	
-Nitroaniline	ND	2200	450	ug/Kg	*	08/26/15 12:51	08/28/15 19:11	
-Nitrophenol	ND	2200	450	ug/Kg	**	08/26/15 12:51	08/28/15 19:11	
cenaphthene	ND	450	45	1	**	08/26/15 12:51	08/28/15 19:11	
cenaphthylene	ND	450	45	ug/Kg	*	08/26/15 12:51	그렇게 하게 살아보고 있어? 네	
niline	ND	450	81	ug/Kg	101	08/26/15 12:51		
nthracene	ND	450	45	ug/Kg	*	08/26/15 12:51		
enzo[a]anthracene	ND	450	45	ug/Kg	***	08/26/15 12:51		
enzo[a]pyrene	ND	450	45	ug/Kg	*	08/26/15 12:51	08/28/15 19:11	
enzo[b]fluoranthene	ND	450	45	ug/Kg	135	08/26/15 12:51	08/28/15 19:11	
enzo[k]fluoranthene	ND	450	45	ug/Kg	*	08/26/15 12:51	08/28/15 19:11	
	ND	450			**			
is (2-chloroisopropyl) ether	ND	450	45	ug/Kg	*	08/26/15 12:51		
is(2-chloroethyl)ether			45	ug/Kg	0.0	08/26/15 12:51		
is(2-ethylhexyl) phthalate	ND ND	450	62	ug/Kg	**	08/26/15 12:51	08/28/15 19:11	
utyl benzyl phthalate	ND	450	45	ug/Kg	**	08/26/15 12:51	08/28/15 19:11	
hrysene	ND	450	45	ug/Kg	***	08/26/15 12:51		
ibenz(a,h)anthracene	ND	450	45	ug/Kg	**		08/28/15 19:11	
ibenzofuran	ND	450		ug/Kg	305		08/28/15 19:11	
iethyl phthalate	ND	450	45	ug/Kg	D.		08/28/15 19:11	
imethyl phthalate	ND	450		ug/Kg	305	08/26/15 12:51		
i-n-butyl phthalate	ND	450		ug/Kg	**		08/28/15 19:11	
i-n-octyl phthalate	ND	450	45	ug/Kg	**		08/28/15 19:11	
iphenylamine	ND *	450		ug/Kg	33	08/26/15 12:51	08/28/15 19:11	
luoranthene	ND	450	45	ug/Kg	**	08/26/15 12:51	08/28/15 19:11	
luorene	ND	450	45	ug/Kg	**	08/26/15 12:51	08/28/15 19:11	
exachlorobenzene	ND	450	45	ug/Kg	**	08/26/15 12:51	08/28/15 19:11	
exachlorobutadiene	ND	450	45	ug/Kg	*	08/26/15 12:51	08/28/15 19:11	
exachlorocyclopentadiene	ND	2200	450	ug/Kg	数	08/26/15 12:51	08/28/15 19:11	
lexachloroethane	ND	450	45	ug/Kg	*	08/26/15 12:51	08/28/15 19:11	
ndeno[1,2,3-cd]pyrene	ND	450	45	ug/Kg	袋	08/26/15 12:51	08/28/15 19:11	
sophorone	ND	450	45	ug/Kg	**	08/26/15 12:51		
Naphthalene	ND	450		ug/Kg	33	08/26/15 12:51		

Client: SEMS, Inc.

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

Client Sample ID: 2015.08.17.A.5

Date Collected: 08/17/15 10:20 Date Received: 08/20/15 09:15

Lab Sample ID: 160-13469-1 Matrix: Solid

Percent Solids: 72.7

Analyte	Result Qua	alifier RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	ND	450	45	ug/Kg	***	08/26/15 12:51	08/28/15 19:11	1
N-Nitrosodi-n-propylamine	ND	450	45	ug/Kg	**	08/26/15 12:51	08/28/15 19:11	1
Pentachlorophenol	ND	900	450	ug/Kg	**	08/26/15 12:51	08/28/15 19:11	1
Phenanthrene	ND	450	45	ug/Kg	3\$	08/26/15 12:51	08/28/15 19:11	1
Phenol	ND	450	45	ug/Kg	尊	08/26/15 12:51	08/28/15 19:11	1
Pyrene	ND	450	45	ug/Kg	**	08/26/15 12:51	08/28/15 19:11	1
N-Nitrosodiphenylamine	ND	450	45	ug/Kg	*	08/26/15 12:51	08/28/15 19:11	1
A to the state of								

Surrogate	%Recovery C	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	72		56-97	08/26/15 12:51	08/28/15 19:11	1
2-Fluorophenol (Surr)	67		53 - 97	08/26/15 12:51	08/28/15 19:11	1
Nitrobenzene-d5 (Surr)	68		55 - 98	08/26/15 12:51	08/28/15 19:11	1
Phenol-d5 (Surr)	70		54 - 101	08/26/15 12:51	08/28/15 19:11	1
Terphenyl-d14 (Surr)	67		58 - 123	08/26/15 12:51	08/28/15 19:11	1
2,4,6-Tribromophenol (Surr)	79		46-111	08/26/15 12:51	08/28/15 19:11	1

Method: 8330B - Nitroaromatics and Nitramines (HPLC)

Analyte	Result (Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trinitrobenzene	ND		250	27	ug/Kg		08/24/15 08:38	08/29/15 08:49	1
1,3-Dinitrobenzene	ND		250	43	ug/Kg		08/24/15 08:38	08/29/15 08:49	1
2,4,6-Trinitrotoluene	ND		250	36	ug/Kg		08/24/15 08:38	08/29/15 08:49	1
2,4-Dinitrotoluene	ND		250	38	ug/Kg		08/24/15 08:38	08/29/15 08:49	1
2,6-Dinitrotoluene	ND		250	64	ug/Kg		08/24/15 08:38	08/29/15 08:49	1
2-Amino-4,6-dinitrotoluene	ND		250	43	ug/Kg		08/24/15 08:38	08/29/15 08:49	1
4-Amino-2,6-dinitrotoluene	ND		250	93	ug/Kg		08/24/15 08:38	08/29/15 08:49	1
3-Nitrotoluene	ND		250	55	ug/Kg		08/24/15 08:38	08/29/15 08:49	1
Nitrobenzene	ND		250	43	ug/Kg		08/24/15 08:38	08/29/15 08:49	1
Nitroglycerin	ND		1200	270	ug/Kg		08/24/15 08:38	08/29/15 08:49	1
2-Nitrotoluene	ND		250	65	ug/Kg		08/24/15 08:38	08/29/15 08:49	1
4-Nitrotoluene	ND		250	81	ug/Kg		08/24/15 08:38	08/29/15 08:49	1
PETN	ND		2500	340	ug/Kg		08/24/15 08:38	08/29/15 08:49	1
RDX	ND		250	62	ug/Kg		08/24/15 08:38	08/29/15 08:49	1
HMX	ND		250	39	ug/Kg		08/24/15 08:38	08/29/15 08:49	1
Tetryl	ND		250	46	ug/Kg		08/24/15 08:38	08/29/15 08:49	1
Surrogate	%Recovery 0	Qualifier	Limits				Prepared	Analyzed	Dil Fac

CONTRACTOR OF THE PARTY OF THE	1 ID 004E 00		

Client Sample ID: 2015.08.17.A.3 Date Collected: 08/17/15 10:30

Matrix: Solid Date Received: 08/20/15 09:15 Percent Solids: 84.4

79 - 120

1,2-Dinitrobenzene (Surr)

Analyte	Result Qua	The second secon	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	4.2	0.29	ug/Kg	Ø	08/23/15 03:00	08/23/15 07:05	1
1,1,1-Trichloroethane	ND	4.2	0.36	ug/Kg	**	08/23/15 03:00	08/23/15 07:05	1
1,1,2,2-Tetrachloroethane	ND	4.2	0.33	ug/Kg	**	08/23/15 03:00	08/23/15 07:05	1
1,1,2-Trichloroethane	ND	4.2	0.48	ug/Kg	**	08/23/15 03:00	08/23/15 07:05	1
1,1-Dichloroethane	ND	4.2	0.33	ug/Kg	**	08/23/15 03:00	08/23/15 07:05	1
1,1-Dichloroethene	ND	4.2	1.3	ug/Kg	*	08/23/15 03:00	08/23/15 07:05	1

TestAmerica St. Louis

08/24/15 08:38 08/29/15 08:49

Lab Sample ID: 160-13469-2

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

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

TestAmerica Job ID: 160-13469-1

Client Sample ID: 2015.08.17.A.3

Date Collected: 08/17/15 10:30 Date Received: 08/20/15 09:15 Lab Sample ID: 160-13469-2 Matrix: Solid Percent Solids: 84.4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		8.4	1.2	ug/Kg	- 1	08/23/15 03:00	08/23/15 07:05	1
1,2-Dichloroethane	ND		4.2	0.73	ug/Kg	**	08/23/15 03:00	08/23/15 07:05	1
1,2-Dichloropropane	ND		4.2	0.32	ug/Kg	*	08/23/15 03:00	08/23/15 07:05	1
1,3-Dichloropropene, Total	ND		8.4	0.79	ug/Kg	335	08/23/15 03:00	08/23/15 07:05	1
2-Butanone (MEK)	ND		17	1.6	ug/Kg	**	08/23/15 03:00	08/23/15 07:05	1
4-Methyl-2-pentanone (MIBK)	ND		17	0.61	ug/Kg	305	08/23/15 03:00	08/23/15 07:05	1
Acetone	ND		17	5.4	ug/Kg	*	08/23/15 03:00	08/23/15 07:05	1
Benzene	ND		4.2	0.21	ug/Kg	335	08/23/15 03:00	08/23/15 07:05	1
Bromodichloromethane	ND		4.2	0.21	ug/Kg	禁	08/23/15 03:00	08/23/15 07:05	1
Bromoform	ND		4.2	0.31	ug/Kg	100	08/23/15 03:00	08/23/15 07:05	1
Bromomethane	ND		8.4	0.92	ug/Kg	鉄	08/23/15 03:00	08/23/15 07:05	1
Carbon disulfide	ND		4.2	0.58	ug/Kg	121	08/23/15 03:00	08/23/15 07:05	1
Carbon tetrachloride	ND		4.2	0.43	ug/Kg	**	08/23/15 03:00	08/23/15 07:05	1
Chlorobenzene	ND		4.2	0.32	ug/Kg	蚊	08/23/15 03:00	08/23/15 07:05	1
Chlorodibromomethane	ND		4.2	0.34	ug/Kg	*	08/23/15 03:00	08/23/15 07:05	1
Chloroethane	ND		8.4	0.43	ug/Kg	33	08/23/15 03:00	08/23/15 07:05	1
Chloroform	ND		4.2	0.32	ug/Kg	故	08/23/15 03:00	08/23/15 07:05	1
Chloromethane	ND		8.4	0.54	ug/Kg		08/23/15 03:00	08/23/15 07:05	1
cis-1,2-Dichloroethene	ND		4.2	0.50	ug/Kg	*	08/23/15 03:00	08/23/15 07:05	1
Ethylbenzene	ND		4.2	0.25	ug/Kg	**	08/23/15 03:00	08/23/15 07:05	1
Hexachlorobutadiene	ND		4.2	0.57	ug/Kg	**	08/23/15 03:00	08/23/15 07:05	1
Isobutyl alcohol	ND		170	21	ug/Kg	**	08/23/15 03:00	08/23/15 07:05	(d)
Methyl tert-butyl ether	ND		4.2	0.40	ug/Kg	故	08/23/15 03:00	08/23/15 07:05	1
Methylene Chloride	ND		4.2	1.3	ug/Kg	**	08/23/15 03:00	08/23/15 07:05	1
Styrene	ND		4.2	0.29	ug/Kg	*	08/23/15 03:00	08/23/15 07:05	1
Tetrachloroethene	ND		4.2	0.27	ug/Kg	**	08/23/15 03:00	08/23/15 07:05	1
Toluene	ND		4.2	0.58	ug/Kg	**	08/23/15 03:00	08/23/15 07:05	1
trans-1,2-Dichloroethene	ND		4.2	0.79	ug/Kg	**	08/23/15 03:00	08/23/15 07:05	1
Trichloroethene	ND		4.2	0.33	ug/Kg	**	08/23/15 03:00	08/23/15 07:05	1
Trichlorofluoromethane	ND		4.2	0.42	ug/Kg	335	08/23/15 03:00	08/23/15 07:05	1
Vinyl chloride	ND		4.2	0.36	ug/Kg	**	08/23/15 03:00	08/23/15 07:05	4
Xylenes, Total	ND		8.4	0.71	ug/Kg	**	08/23/15 03:00	08/23/15 07:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	121	1	72 - 127				08/23/15 03:00	08/23/15 07:05	1
4-Bromofluorobenzene (Surr)	129		63 - 150				08/23/15 03:00		1
Dibromofluoromethane (Surr)	111		70 - 126				08/23/15 03:00	08/23/15 07:05	1
Toluene-d8 (Surr)	116		80 - 120				08/23/15 03:00	08/23/15 07:05	1

Method: 8270D - Semivolatil Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND	390	39	ug/Kg	75	08/26/15 12:51	08/28/15 19:43	1
1,2,4,5-Tetrachlorobenzene	ND	390	39	ug/Kg	尊	08/26/15 12:51	08/28/15 19:43	1
1,2,4-Trichlorobenzene	ND	390	39	ug/Kg	*	08/26/15 12:51	08/28/15 19:43	1
1,2-Dichlorobenzene	ND	390	39	ug/Kg	*	08/26/15 12:51	08/28/15 19:43	1
1,3-Dichlorobenzene	ND	390	39	ug/Kg	尊	08/26/15 12:51	08/28/15 19:43	1
1,3-Dinitrobenzene	ND	390	39	ug/Kg	故	08/26/15 12:51	08/28/15 19:43	1
1,4-Dichlorobenzene	ND	390	39	ug/Kg	**	08/26/15 12:51	08/28/15 19:43	1
2,3,4,6-Tetrachlorophenol	ND	1900	39	ug/Kg	**	08/26/15 12:51	08/28/15 19:43	- 1
2,4,5-Trichlorophenol	ND	390	39	ug/Kg	廿	08/26/15 12:51	08/28/15 19:43	1

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

Client Sample ID: 2015.08.17.A.3

Date Collected: 08/17/15 10:30

Date Received: 08/20/15 09:15

Lab Sample ID: 160-13469-2

TestAmerica Job ID: 160-13469-1

Matrix: Solid

Percent Solids: 84.4

Analyte	Result Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	ND	390	39	ug/Kg	*	08/26/15 12:51	08/28/15 19:43	-
2,4-Dichlorophenol	ND	390	39	ug/Kg	**	08/26/15 12:51	08/28/15 19:43	1
2,4-Dimethylphenol	ND	390	39	ug/Kg	*	08/26/15 12:51	08/28/15 19:43	
2,4-Dinitrophenol	ND *	1900	390	ug/Kg	袋	08/26/15 12:51	08/28/15 19:43	
2,4-Dinitrotoluene	ND	390	39	ug/Kg	**	08/26/15 12:51	08/28/15 19:43	10
2,6-Dinitrotoluene	ND	390	39	ug/Kg	**	08/26/15 12:51	08/28/15 19:43	9
2-Chloronaphthalene	ND	390	39	ug/Kg	***	08/26/15 12:51	08/28/15 19:43	
2-Chlorophenol	ND	390	39	ug/Kg	**	08/26/15 12:51	08/28/15 19:43	
2-Methylnaphthalene	ND	390	39	ug/Kg	故	08/26/15 12:51	08/28/15 19:43	
2-Nitroaniline	ND	390	39	ug/Kg	**	08/26/15 12:51	08/28/15 19:43	
3,3'-Dichlorobenzidine	ND	1900	390	ug/Kg	**	08/26/15 12:51	08/28/15 19:43	5
3-Nitroaniline	ND	390	39	ug/Kg	**	08/26/15 12:51	08/28/15 19:43	
4-Nitroaniline	ND	1900	390	ug/Kg	*	08/26/15 12:51	08/28/15 19:43	
4-Nitrophenol	ND	1900	390	ug/Kg	*	08/26/15 12:51	08/28/15 19:43	4
Acenaphthene	ND	390	39	ug/Kg	**	08/26/15 12:51	08/28/15 19:43	
Acenaphthylene	ND	390	39	ug/Kg	**	08/26/15 12:51	08/28/15 19:43	14
Aniline	ND	390	70	ug/Kg	**	08/26/15 12:51	08/28/15 19:43	
Anthracene	ND	390	39	ug/Kg	*	08/26/15 12:51	08/28/15 19:43	
Benzo[a]anthracene	ND	390	39	ug/Kg	**	08/26/15 12:51	08/28/15 19:43	
Benzo[a]pyrene	ND	390	39	ug/Kg	**	08/26/15 12:51	08/28/15 19:43	
Benzo[b]fluoranthene	ND	390	39	ug/Kg	*	08/26/15 12:51	08/28/15 19:43	
Benzo[k]fluoranthene	ND	390	39	ug/Kg	**	08/26/15 12:51	08/28/15 19:43	
bis (2-chloroisopropyl) ether	ND	390	39	ug/Kg	*	08/26/15 12:51	08/28/15 19:43	
Bis(2-chloroethyl)ether	ND	390	39	ug/Kg	*	08/26/15 12:51	08/28/15 19:43	
Bis(2-ethylhexyl) phthalate	ND	390	53	ug/Kg	**	08/26/15 12:51	08/28/15 19:43	
Butyl benzyl phthalate	ND	390	39	ug/Kg	*	08/26/15 12:51	08/28/15 19:43	4
Chrysene	ND	390	39	ug/Kg	**	08/26/15 12:51	08/28/15 19:43	4
Dibenz(a,h)anthracene	ND	390	39	ug/Kg	*	08/26/15 12:51	08/28/15 19:43	1
Dibenzofuran	ND	390	39	ug/Kg	*	08/26/15 12:51	08/28/15 19:43	
Diethyl phthalate	ND	390	39	ug/Kg	*	08/26/15 12:51	08/28/15 19:43	4
Dimethyl phthalate	ND	390		ug/Kg	*	08/26/15 12:51	08/28/15 19:43	4
Di-n-butyl phthalate	ND	390	39	ug/Kg	*	08/26/15 12:51	08/28/15 19:43	4
Di-n-octyl phthalate	ND	390		ug/Kg	**	08/26/15 12:51	08/28/15 19:43	4
Diphenylamine	ND *	390	39	ug/Kg	*	08/26/15 12:51	08/28/15 19:43	
Fluoranthene	ND	390		THE PARTY OF THE P	*		08/28/15 19:43	
	ND			ug/Kg		08/26/15 12:51		
Fluorene Hexachlorobenzene		390		ug/Kg	3.2	08/26/15 12:51		1
	ND	390		ug/Kg	10	08/26/15 12:51	- 15 MANUAL MANUAL -	
Hexachlorobutadiene	ND	390		ug/Kg	***	08/26/15 12:51		7
Hexachlorocyclopentadiene	ND	1900		ug/Kg	10	08/26/15 12:51		1
Hexachloroethane	ND	390		ug/Kg	**	08/26/15 12:51		1
Indeno[1,2,3-cd]pyrene	ND	390		ug/Kg	***	08/26/15 12:51		1
sophorone	ND	390		ug/Kg	₩.	08/26/15 12:51		1
Naphthalene	ND	390		ug/Kg	**		08/28/15 19:43	1
Nitrobenzene	ND	390		ug/Kg	1463		08/28/15 19:43	1
N-Nitrosodi-n-propylamine	ND	390		ug/Kg	**	08/26/15 12:51	08/28/15 19:43	1
Pentachlorophenol	ND	780		ug/Kg		08/26/15 12:51		1
Phenanthrene	ND	390		ug/Kg		08/26/15 12:51		1
Phenol	ND	390	39	ug/Kg	**	08/26/15 12:51	08/28/15 19:43	1
Pyrene	ND	390	39	ug/Kg	*	08/26/15 12:51	08/28/15 19:43	- 1

Client: SEMS, Inc.

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

Client Sample ID: 2015.08.17.A.3

Date Collected: 08/17/15 10:30 Date Received: 08/20/15 09:15 Lab Sample ID: 160-13469-2

Matrix: Solid

Percent Solids: 84.4

Method: 8270D -	Semivolatile Oro	anic Compounds	(GC/MS)	(Continued)	
MCHIUM, OZIUD -	ocimivolatile Oly	anic compounds	GUINIO	(Continueu)	

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		390	39	ug/Kg	草	08/26/15 12:51	08/28/15 19:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	77		56-97				08/26/15 12:51	08/28/15 19:43	1
2-Fluorophenol (Surr)	72		53 - 97				08/26/15 12:51	08/28/15 19:43	1
Nitrobenzene-d5 (Surr)	72		55-98				08/26/15 12:51	08/28/15 19:43	1
Phenol-d5 (Surr)	75		54 - 101				08/26/15 12:51	08/28/15 19:43	1
Terphenyl-d14 (Surr)	71		58 - 123				08/26/15 12:51	08/28/15 19:43	1
2,4,6-Tribromophenol (Surr)	79		46-111				08/26/15 12:51	08/28/15 19:43	1

Method: 8330B - Nitroaror Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trinitrobenzene	ND		220	25	ug/Kg	= =	08/24/15 08:38	08/29/15 09:35	1
1,3-Dinitrobenzene	ND		220	39	ug/Kg		08/24/15 08:38	08/29/15 09:35	1
2,4,6-Trinitrotoluene	ND		220	32	ug/Kg		08/24/15 08:38	08/29/15 09:35	1
2,4-Dinitrotoluene	ND		220	34	ug/Kg		08/24/15 08:38	08/29/15 09:35	1
2,6-Dinitrotoluene	ND		220	57	ug/Kg		08/24/15 08:38	08/29/15 09:35	1
2-Amino-4,6-dinitrotoluene	ND		220	38	ug/Kg		08/24/15 08:38	08/29/15 09:35	- 1
4-Amino-2,6-dinitrotoluene	ND		220	84	ug/Kg		08/24/15 08:38	08/29/15 09:35	1
3-Nitrotoluene	ND		220	50	ug/Kg		08/24/15 08:38	08/29/15 09:35	1
Nitrobenzene	ND		220	39	ug/Kg		08/24/15 08:38	08/29/15 09:35	1
Nitroglycerin	ND		1100	240	ug/Kg		08/24/15 08:38	08/29/15 09:35	1
2-Nitrotoluene	ND		220	58	ug/Kg		08/24/15 08:38	08/29/15 09:35	1
4-Nitrotoluene	ND		220	73	ug/Kg		08/24/15 08:38	08/29/15 09:35	1
PETN	ND		2200	310	ug/Kg		08/24/15 08:38	08/29/15 09:35	1
RDX	ND		220	56	ug/Kg		08/24/15 08:38	08/29/15 09:35	1
HMX	ND		220	35	ug/Kg		08/24/15 08:38	08/29/15 09:35	3
Tetryl	ND		220	41	ug/Kg		08/24/15 08:38	08/29/15 09:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1.2-Dinitrobenzene (Surr)	108		79 - 120				08/24/15 08:38	08/29/15 09:35	1

Client Sample ID: 2015.08.17.A.1

Date Collected: 08/17/15 10:40

Date Received: 08/20/15 09:15

Lab Sample ID: 160-13469-3

Matrix: Solid

Percent Solids: 83.1

Method:	8260C - \	/olatile	Organic	Compound	s by	GC/MS
method.	02000	Oldine	organio	Compount	4-0 MJ	00110

Analyte Resu	t Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane N	0	4.2	0.29	ug/Kg	*	08/23/15 03:00	08/23/15 07:29	1
1,1,1-Trichloroethane N)	4.2	0.36	ug/Kg	*	08/23/15 03:00	08/23/15 07:29	1
1,1,2,2-Tetrachloroethane N	*	4.2	0.33	ug/Kg	**	08/23/15 03:00	08/23/15 07:29	1
1,1,2-Trichloroethane Ni	0	4.2	0.47	ug/Kg	**	08/23/15 03:00	08/23/15 07:29	1
1,1-Dichloroethane Ni)	4.2	0.32	ug/Kg	尊	08/23/15 03:00	08/23/15 07:29	1
1,1-Dichloroethene N)	4.2	1.3	ug/Kg	*	08/23/15 03:00	08/23/15 07:29	1
1,2-Dibromo-3-Chloropropane N	o *	8.3	1.2	ug/Kg	*	08/23/15 03:00	08/23/15 07:29	4
1,2-Dichloroethane N)	4.2	0.72	ug/Kg	₩	08/23/15 03:00	08/23/15 07:29	1
1,2-Dichloropropane Ni	0	4.2	0.32	ug/Kg	*	08/23/15 03:00	08/23/15 07:29	1
1,3-Dichloropropene, Total N)	8.3	0.79	ug/Kg	*	08/23/15 03:00	08/23/15 07:29	1
2-Butanone (MEK) N	o .	17	1.6	ug/Kg	*	08/23/15 03:00	08/23/15 07:29	1
4-Methyl-2-pentanone (MIBK) N)	17	0.61	ug/Kg	305	08/23/15 03:00	08/23/15 07:29	1

Client: SEMS, Inc.

2,4-Dichlorophenol

2,4-Dimethylphenol

2,4-Dinitrophenol

2,4-Dinitrotoluene

2,6-Dinitrotoluene

Project/Site: Camp Minden Baseline Project

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

Client Sample ID: 2015.08.17.A.1 Lab Sample ID: 160-13469-3

TestAmerica Job ID: 160-13469-1

Date Collected: 08/17/15 10:40 Matrix: Solid Date Received: 08/20/15 09:15 Percent Solids: 83.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	-	17	5.4	ug/Kg	7	08/23/15 03:00	08/23/15 07:29	1
Benzene	ND		4.2	0.21	ug/Kg	**	08/23/15 03:00	08/23/15 07:29	1
Bromodichloromethane	ND		4.2	0.21	ug/Kg	尊	08/23/15 03:00	08/23/15 07:29	1
Bromoform	ND	*	4.2	0.31	ug/Kg	**	08/23/15 03:00	08/23/15 07:29	1
Bromomethane	ND		8.3	0.91	ug/Kg	*	08/23/15 03:00	08/23/15 07:29	1
Carbon disulfide	ND		4.2	0.57	ug/Kg	**	08/23/15 03:00	08/23/15 07:29	1
Carbon tetrachloride	ND		4.2	0.42	ug/Kg	*	08/23/15 03:00	08/23/15 07:29	1
Chlorobenzene	ND		4.2	0.32	ug/Kg	*	08/23/15 03:00	08/23/15 07:29	1
Chlorodibromomethane	ND		4.2	0.34	ug/Kg	*	08/23/15 03:00	08/23/15 07:29	4
Chloroethane	ND		8.3	0.43	ug/Kg	**	08/23/15 03:00	08/23/15 07:29	1
Chloroform	ND		4.2	0.32	ug/Kg	尊	08/23/15 03:00	08/23/15 07:29	1
Chloromethane	ND		8.3	0.54	ug/Kg	**	08/23/15 03:00	08/23/15 07:29	1
cis-1,2-Dichloroethene	ND		4.2	0.50	ug/Kg	*	08/23/15 03:00	08/23/15 07:29	1
Ethylbenzene	ND		4.2		ug/Kg	125	08/23/15 03:00	08/23/15 07:29	1
Hexachlorobutadiene	ND	*	4.2		ug/Kg	*	08/23/15 03:00	08/23/15 07:29	1
Isobutyl alcohol	ND		170	21	ug/Kg	*		08/23/15 07:29	1
Methyl tert-butyl ether	ND		4.2		ug/Kg	*		08/23/15 07:29	1
Methylene Chloride	ND		4.2		ug/Kg	*	08/23/15 03:00	08/23/15 07:29	1
Styrene	ND		4.2		ug/Kg	*		08/23/15 07:29	1
Tetrachloroethene	ND		4.2	0.27		335		08/23/15 07:29	1
Toluene	ND		4.2		ug/Kg	*		08/23/15 07:29	1
trans-1,2-Dichloroethene	ND		4.2		ug/Kg	*		08/23/15 07:29	1
Trichloroethene	ND		4.2		ug/Kg	*		08/23/15 07:29	1
Trichlorofluoromethane	ND		4.2		ug/Kg	*		08/23/15 07:29	1
Vinyl chloride	ND		4.2		ug/Kg	ø		08/23/15 07:29	1
Xylenes, Total	ND		8.3	0.71	ug/Kg	100		08/23/15 07:29	1
			2.0	501.0			Caused to Survey		
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		72 - 127				08/23/15 03:00	08/23/15 07:29	1
4-Bromofluorobenzene (Surr)	137	*	63 - 150				08/23/15 03:00	08/23/15 07:29	1
Dibromofluoromethane (Surr)	110		70 - 126				08/23/15 03:00	08/23/15 07:29	1
Toluene-d8 (Surr)	121	X	80 - 120				08/23/15 03:00	08/23/15 07:29	1
Method: 8270D - Semivola	tile Organic Co	mpounds	(GC/MS)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		400	40	ug/Kg	**	08/26/15 12:51	08/28/15 20:16	1
1,2,4,5-Tetrachlorobenzene	ND		400	40	ug/Kg	**	08/26/15 12:51	08/28/15 20:16	1
1,2,4-Trichlorobenzene	ND		400	40	ug/Kg	**	08/26/15 12:51	08/28/15 20:16	1
1,2-Dichlorobenzene	ND		400	40	ug/Kg	尊	08/26/15 12:51	08/28/15 20:16	1
1,3-Dichlorobenzene	ND		400	40	ug/Kg	*	08/26/15 12:51	08/28/15 20:16	1
1,3-Dinitrobenzene	ND		400	40	ug/Kg	*	08/26/15 12:51	08/28/15 20:16	1
1,4-Dichlorobenzene	ND		400		ug/Kg	**	08/26/15 12:51	08/28/15 20:16	1
2,3,4,6-Tetrachlorophenol	ND		1900		ug/Kg	**	08/26/15 12:51	08/28/15 20:16	1
2,4,5-Trichlorophenol	ND		400		ug/Kg	**	08/26/15 12:51	08/28/15 20:16	4
2,4,6-Trichlorophenol	ND		400		ug/Kg	*	08/26/15 12:51		1
470.770.200.0000000000000000000000000000				1000			1600000 50000 50000 Feb.		

TestAmerica St. Louis

08/28/15 20:16

08/28/15 20:16

© 08/26/15 12:51 08/28/15 20:16

□ 08/26/15 12:51 08/28/15 20:16

Delta 12:51 08/28/15 20:16

08/26/15 12:51

08/26/15 12:51

400

400

1900

400

400

ND

ND

ND

ND

ND

40 ug/Kg

40 ug/Kg

40 ug/Kg

ug/Kg

40 ug/Kg

400

1

1

1

Client: SEMS, Inc

Phenol-d5 (Surr)

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

Client Sample ID: 2015.08.17.A.1

Date Collected: 08/17/15 10:40 Date Received: 08/20/15 09:15 Lab Sample ID: 160-13469-3 Matrix: Solid Percent Solids: 83.1

Method: 8270D - Semivola Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac
2-Chloronaphthalene	ND		400	40	ug/Kg	100	08/26/15 12:51	08/28/15 20:16	1
2-Chlorophenol	ND		400	40	ug/Kg	**	08/26/15 12:51	08/28/15 20:16	1
2-Methylnaphthalene	ND		400	40	ug/Kg	**	08/26/15 12:51	08/28/15 20:16	1
2-Nitroaniline	ND		400	40	ug/Kg	*	08/26/15 12:51	08/28/15 20:16	1
3,3'-Dichlorobenzidine	ND		1900	400	ug/Kg	*	08/26/15 12:51	08/28/15 20:16	1
3-Nitroaniline	ND		400	40		***	08/26/15 12:51	08/28/15 20:16	1
4-Nitroaniline	ND		1900	400	ug/Kg	302	08/26/15 12:51	08/28/15 20:16	1
4-Nitrophenol	ND		1900	400	ni Section	**	08/26/15 12:51	08/28/15 20:16	1
Acenaphthene	ND		400	40	ug/Kg	⇔	08/26/15 12:51		1
Acenaphthylene	ND		400	40		**	08/26/15 12:51	08/28/15 20:16	1
Aniline	ND		400	72	7.70	*	08/26/15 12:51	08/28/15 20:16	1
Anthracene	ND		400	40	ug/Kg	300	08/26/15 12:51	08/28/15 20:16	4
Benzo[a]anthracene	ND		400	40	ug/Kg	*	08/26/15 12:51	08/28/15 20:16	4
Benzo[a]pyrene	ND		400	40	ug/Kg	**	08/26/15 12:51	08/28/15 20:16	4
Benzo[b]fluoranthene	ND		400	40		*	08/26/15 12:51	08/28/15 20:16	1
Benzo[k]fluoranthene	ND		400	40		**	08/26/15 12:51	08/28/15 20:16	4
bis (2-chloroisopropyl) ether	ND		400	40		*	08/26/15 12:51		
Bis(2-chloroethyl)ether	ND		400			**	08/26/15 12:51		4
	ND		400	40		*	08/26/15 12:51		1
Bis(2-ethylhexyl) phthalate				54		5.0			
Butyl benzyl phthalate	ND		400	40		300	08/26/15 12:51	08/28/15 20:16	1
Chrysene	ND		400	40		*	08/26/15 12:51	08/28/15 20:16	1
Dibenz(a,h)anthracene	ND		400	40		22	08/26/15 12:51	08/28/15 20:16	1
Dibenzofuran	ND		400	40		*	08/26/15 12:51	08/28/15 20:16	1
Diethyl phthalate	ND		400	40		***	08/26/15 12:51	08/28/15 20:16	1
Dimethyl phthalate	ND		400	40		13	08/26/15 12:51	08/28/15 20:16	1
Di-n-butyl phthalate	ND		400	40		:DE	08/26/15 12:51	08/28/15 20:16	1
Di-n-octyl phthalate	ND		400	40		100	08/26/15 12:51	08/28/15 20:16	1
Diphenylamine	ND	•	400	40		300	08/26/15 12:51	08/28/15 20:16	1
Fluoranthene	ND		400	40	ug/Kg	10	08/26/15 12:51	08/28/15 20:16	1
Fluorene	ND		400	40		**	08/26/15 12:51	08/28/15 20:16	1
Hexachlorobenzene	ND		400	40	9 9	**	08/26/15 12:51	08/28/15 20:16	1
Hexachlorobutadiene	ND		400	40	ug/Kg	100	08/26/15 12:51	08/28/15 20:16	1
Hexachlorocyclopentadiene	ND		1900	400	ug/Kg	*	08/26/15 12:51	08/28/15 20:16	1
Hexachloroethane	ND		400	40	ug/Kg	235	08/26/15 12:51	08/28/15 20:16	1 1
Indeno[1,2,3-cd]pyrene	ND		400	40	ug/Kg	**	08/26/15 12:51	08/28/15 20:16	1
Isophorone	ND		400	40	ug/Kg	***	08/26/15 12:51	08/28/15 20:16	1
Naphthalene	ND		400	40	ug/Kg	**	08/26/15 12:51	08/28/15 20:16	1
Nitrobenzene	ND		400	40	ug/Kg	33	08/26/15 12:51	08/28/15 20:16	1
N-Nitrosodi-n-propylamine	ND		400		ug/Kg	**	08/26/15 12:51	08/28/15 20:16	1
Pentachlorophenol	ND		790		ug/Kg	**	08/26/15 12:51		1
Phenanthrene	ND		400	40	and the same of the	*		08/28/15 20:16	1
Phenol	ND		400	40		**	08/26/15 12:51		1
Pyrene	ND		400	40		**	08/26/15 12:51		1
N-Nitrosodiphenylamine	ND		400		ug/Kg	**	08/26/15 12:51		1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	73		56 - 97				08/26/15 12:51	and the second	1
2-Fluorophenol (Surr)	70		53 - 97				08/26/15 12:51		1
Nitrobenzene-d5 (Surr)	68		55 - 98				08/26/15 12:51		1
	122		Section Section				43 37 7 34 67 7 77 67		

TestAmerica St. Louis

08/26/15 12:51 08/28/15 20:16

54 - 101

72

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

Client Sample ID: 2015.08.17.A.1 Lab Sample ID: 160-13469-3

Date Collected: 08/17/15 10:40 Matrix: Solid Date Received: 08/20/15 09:15 Percent Solids: 83.1

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

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14 (Surr)	69	58 - 123	08/26/15 12:51	08/28/15 20:16	1
2,4,6-Tribromophenol (Surr)	80	46 - 111	08/26/15 12:51	08/28/15 20:16	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trinitrobenzene	ND		230	25	ug/Kg		08/24/15 08:38	08/29/15 09:58	1
1,3-Dinitrobenzene	ND		230	40	ug/Kg		08/24/15 08:38	08/29/15 09:58	1
2,4,6-Trinitrotoluene	ND		230	33	ug/Kg		08/24/15 08:38	08/29/15 09:58	1
2,4-Dinitrotoluene	ND		230	35	ug/Kg		08/24/15 08:38	08/29/15 09:58	1
2,6-Dinitrotoluene	ND		230	59	ug/Kg		08/24/15 08:38	08/29/15 09:58	1
2-Amino-4,6-dinitrotoluene	ND		230	40	ug/Kg		08/24/15 08:38	08/29/15 09:58	1
4-Amino-2,6-dinitrotoluene	ND		230	87	ug/Kg		08/24/15 08:38	08/29/15 09:58	1
3-Nitrotoluene	ND		230	52	ug/Kg		08/24/15 08:38	08/29/15 09:58	1
Nitrobenzene	ND		230	40	ug/Kg		08/24/15 08:38	08/29/15 09:58	1
Nitroglycerin	ND		1200	250	ug/Kg		08/24/15 08:38	08/29/15 09:58	1
2-Nitrotoluene	ND		230	60	ug/Kg		08/24/15 08:38	08/29/15 09:58	1
4-Nitrotoluene	ND		230	75	ug/Kg		08/24/15 08:38	08/29/15 09:58	1
PETN	ND		2300	320	ug/Kg		08/24/15 08:38	08/29/15 09:58	1
RDX	ND		230	58	ug/Kg		08/24/15 08:38	08/29/15 09:58	1
HMX	ND		230	36	ug/Kg		08/24/15 08:38	08/29/15 09:58	1
Tetryl	ND		230	43	ug/Kg		08/24/15 08:38	08/29/15 09:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dinitrobenzene (Surr)	107		79 - 120				08/24/15 08:38	08/29/15 09:58	1

Client Sample ID: 2015.08.17.A.1.6

Date Collected: 08/17/15 10:50 Date Received: 08/20/15 09:15

Lab Sample ID: 160-13469-4

TestAmerica Job ID: 160-13469-1

Matrix: Solid Percent Solids: 78.8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		4.6	0.32	ug/Kg	*	08/23/15 03:00	08/23/15 07:54	1
1,1,1-Trichloroethane	ND		4.6	0.39	ug/Kg	**	08/23/15 03:00	08/23/15 07:54	1
1,1,2,2-Tetrachloroethane	ND	*	4.6	0.37	ug/Kg	**	08/23/15 03:00	08/23/15 07:54	1
1,1,2-Trichloroethane	ND		4.6	0.52	ug/Kg	袋	08/23/15 03:00	08/23/15 07:54	1
1,1-Dichloroethane	ND		4.6	0.36	ug/Kg	口	08/23/15 03:00	08/23/15 07:54	1
1,1-Dichloroethene	ND		4.6	1.5	ug/Kg	尊	08/23/15 03:00	08/23/15 07:54	1
1,2-Dibromo-3-Chloropropane	ND	*	9.1	1.3	ug/Kg	尊	08/23/15 03:00	08/23/15 07:54	1
1,2-Dichloroethane	ND		4.6	0.80	ug/Kg	*	08/23/15 03:00	08/23/15 07:54	1
1,2-Dichloropropane	ND		4.6	0.35	ug/Kg	*	08/23/15 03:00	08/23/15 07:54	1
1,3-Dichloropropene, Total	ND		9.1	0.87	ug/Kg	*	08/23/15 03:00	08/23/15 07:54	1
2-Butanone (MEK)	ND		18	1.8	ug/Kg	数	08/23/15 03:00	08/23/15 07:54	1
4-Methyl-2-pentanone (MIBK)	ND		18	0.67	ug/Kg	*	08/23/15 03:00	08/23/15 07:54	1
Acetone	8.9	J	18	5.9	ug/Kg	**	08/23/15 03:00	08/23/15 07:54	1
Benzene	ND		4.6	0.23	ug/Kg	⇔	08/23/15 03:00	08/23/15 07:54	1
Bromodichloromethane	ND		4.6	0.23	ug/Kg	*	08/23/15 03:00	08/23/15 07:54	1
Bromoform	ND	*	4.6	0.34	ug/Kg	*	08/23/15 03:00	08/23/15 07:54	1
Bromomethane	ND		9.1	1.0	ug/Kg	鉄	08/23/15 03:00	08/23/15 07:54	1
Carbon disulfide	ND		4.6	0.63	ug/Kg	*	08/23/15 03:00	08/23/15 07:54	1
Carbon tetrachloride	ND		4.6	0.47	ug/Kg	**	08/23/15 03:00	08/23/15 07:54	1

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

Client Sample ID: 2015.08.17.A.1.6

Date Collected: 08/17/15 10:50 Date Received: 08/20/15 09:15 TestAmerica Job ID: 160-13469-1

Lab Sample ID: 160-13469-4

Matrix: Solid Percent Solids: 78.8

Method: 8260C - Volatile O Analyte	The state of the s	Qualifier	RL	The second secon	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		4.6	0.35	ug/Kg	- 3	08/23/15 03:00	08/23/15 07:54	1
Chlorodibromomethane	ND		4.6	0.38	ug/Kg	尊	08/23/15 03:00	08/23/15 07:54	1
Chloroethane	ND		9.1	0.48	ug/Kg	**	08/23/15 03:00	08/23/15 07:54	1
Chloroform	ND		4.6	0.35	ug/Kg	**	08/23/15 03:00	08/23/15 07:54	1
Chloromethane	ND		9.1	0.59	ug/Kg	故	08/23/15 03:00	08/23/15 07:54	1
cis-1,2-Dichloroethene	ND		4.6	0.55	ug/Kg	群	08/23/15 03:00	08/23/15 07:54	1
Ethylbenzene	ND		4.6	0.27	ug/Kg	口口	08/23/15 03:00	08/23/15 07:54	1
Hexachlorobutadiene	ND	*	4.6	0.62	ug/Kg	尊	08/23/15 03:00	08/23/15 07:54	1
Isobutyl alcohol	ND		180	23	ug/Kg	故	08/23/15 03:00	08/23/15 07:54	1
Methyl tert-butyl ether	ND		4.6	0.44	ug/Kg	*	08/23/15 03:00	08/23/15 07:54	1
Methylene Chloride	ND		4.6	1.4	ug/Kg	章	08/23/15 03:00	08/23/15 07:54	1
Styrene	ND		4.6	0.32	ug/Kg	*	08/23/15 03:00	08/23/15 07:54	1
Tetrachloroethene	ND		4.6	0.29	ug/Kg	32	08/23/15 03:00	08/23/15 07:54	1
Toluene	ND		4.6	0.64	ug/Kg	₩	08/23/15 03:00	08/23/15 07:54	1
trans-1,2-Dichloroethene	ND		4.6	0.86	ug/Kg	*	08/23/15 03:00	08/23/15 07:54	1
Trichloroethene	ND		4.6	0.36	ug/Kg	*	08/23/15 03:00	08/23/15 07:54	1
Trichlorofluoromethane	ND		4.6	0.46	ug/Kg	*	08/23/15 03:00	08/23/15 07:54	1
Vinyl chloride	ND		4.6	0.39	and the same of the last	*	08/23/15 03:00	08/23/15 07:54	1
Xylenes, Total	ND		9.1	0.78	ug/Kg	**	08/23/15 03:00	08/23/15 07:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1.2-Dichloroethane-d4 (Surr)	120		72 - 127				08/23/15 03:00	08/23/15 07:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	120		72 - 127	08/23/15 03:00	08/23/15 07:54	1
4-Bromofluorobenzene (Surr)	129	*	63 - 150	08/23/15 03:00	08/23/15 07:54	1
Dibromofluoromethane (Surr)	114		70 - 126	08/23/15 03:00	08/23/15 07:54	1
Toluene-d8 (Surr)	114		80 - 120	08/23/15 03:00	08/23/15 07:54	1

Analyte	Result Qual	ifier RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND	420	42	ug/Kg	益	08/26/15 12:51	08/28/15 20:49	1
1,2,4,5-Tetrachlorobenzene	ND	420	42	ug/Kg	**	08/26/15 12:51	08/28/15 20:49	1
1,2,4-Trichlorobenzene	ND	420	42	ug/Kg	益	08/26/15 12:51	08/28/15 20:49	1
1,2-Dichlorobenzene	ND	420	42	ug/Kg	*	08/26/15 12:51	08/28/15 20:49	1
1,3-Dichlorobenzene	ND	420	42	ug/Kg	Ø	08/26/15 12:51	08/28/15 20:49	1
1,3-Dinitrobenzene	ND	420	42	ug/Kg	*	08/26/15 12:51	08/28/15 20:49	1
1,4-Dichlorobenzene	ND	420	42	ug/Kg	鉄	08/26/15 12:51	08/28/15 20:49	1
2,3,4,6-Tetrachlorophenol	ND	2000	42	ug/Kg	*	08/26/15 12:51	08/28/15 20:49	1
2,4,5-Trichlorophenol	ND	420	42	ug/Kg	**	08/26/15 12:51	08/28/15 20:49	1
2,4,6-Trichlorophenol	ND	420	42	ug/Kg	**	08/26/15 12:51	08/28/15 20:49	1
2,4-Dichlorophenol	ND	420	42	ug/Kg	故	08/26/15 12:51	08/28/15 20:49	1
2,4-Dimethylphenol	ND	420	42	ug/Kg	*	08/26/15 12:51	08/28/15 20:49	1
2,4-Dinitrophenol	ND *	2000	420	ug/Kg	**	08/26/15 12:51	08/28/15 20:49	1
2,4-Dinitrotoluene	ND	420	42	ug/Kg	*	08/26/15 12:51	08/28/15 20:49	. 1
2,6-Dinitrotoluene	ND	420	42	ug/Kg	**	08/26/15 12:51	08/28/15 20:49	1
2-Chloronaphthalene	ND	420	42	ug/Kg	33	08/26/15 12:51	08/28/15 20:49	1
2-Chlorophenol	ND	420	42	ug/Kg	**	08/26/15 12:51	08/28/15 20:49	1
2-Methylnaphthalene	ND	420	42	ug/Kg	**	08/26/15 12:51	08/28/15 20:49	1
2-Nitroaniline	ND	420	42	ug/Kg	**	08/26/15 12:51	08/28/15 20:49	1
3,3'-Dichlorobenzidine	ND	2000	420	ug/Kg		08/26/15 12:51	08/28/15 20:49	1
3-Nitroaniline	ND	420	42	ug/Kg	305	08/26/15 12:51	08/28/15 20:49	1
4-Nitroaniline	ND	2000	420	ug/Kg	335	08/26/15 12:51	08/28/15 20:49	1

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

Client Sample ID: 2015.08.17.A.1.6 Lab Sample ID: 160-13469-4

Date Collected: 08/17/15 10:50 Matrix: Solid Date Received: 08/20/15 09:15 Percent Solids: 78.8

Method: 8270D - Semivola Analyte		Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	ND	17.7	2000	420	ug/Kg	***	08/26/15 12:51	08/28/15 20:49	-
Acenaphthene	ND		420	42	ug/Kg	数	08/26/15 12:51	08/28/15 20:49	3
Acenaphthylene	ND		420	42	ug/Kg	*	08/26/15 12:51	08/28/15 20:49	. 1
Aniline	ND		420	76		**	08/26/15 12:51	08/28/15 20:49	1
Anthracene	ND		420	42		**	08/26/15 12:51		1
Benzo[a]anthracene	ND		420	42		**	08/26/15 12:51		1
Benzo[a]pyrene	ND		420	42	70.70	*	08/26/15 12:51		1
Benzo[b]fluoranthene	ND		420	42		**	08/26/15 12:51		1
Benzo[k]fluoranthene	ND		420	42	10 TO A 179	**	08/26/15 12:51		1
bis (2-chloroisopropyl) ether	ND		420	42		**	08/26/15 12:51		1
Bis(2-chloroethyl)ether	ND		420	42		*	08/26/15 12:51		1
Bis(2-ethylhexyl) phthalate	ND		420	57		*	08/26/15 12:51		1
Butyl benzyl phthalate	ND		420	42		*	08/26/15 12:51		4
Chrysene	ND		420	42	100	*	08/26/15 12:51		,
Dibenz(a,h)anthracene	ND		420	42		*	08/26/15 12:51		
Dibenzofuran	ND		420	42	7.4	*	08/26/15 12:51		1
Diethyl phthalate	ND					- 6			3
Dimethyl phthalate	ND		420	42		**	08/26/15 12:51		
#E-1987 - 1971 - 1972 -			420	42		**	08/26/15 12:51		3
Di-n-butyl phthalate	ND		420	42		**	08/26/15 12:51	08/28/15 20:49	1
Di-n-octyl phthalate	ND	200	420	42	15.77	***	08/26/15 12:51	08/28/15 20:49	1
Diphenylamine	ND	7	420	42	0 0	***	08/26/15 12:51		1
Fluoranthene	ND		420	42	100000000000000000000000000000000000000	***	08/26/15 12:51		1
Fluorene	ND		420	42		***	08/26/15 12:51	08/28/15 20:49	1
Hexachlorobenzene	ND		420	42	ug/Kg	30	08/26/15 12:51	08/28/15 20:49	1
Hexachlorobutadiene	ND		420	42		**	08/26/15 12:51	08/28/15 20:49	1
Hexachlorocyclopentadiene	ND		2000	420	ug/Kg	**	08/26/15 12:51	08/28/15 20:49	1
Hexachloroethane	ND		420	42	ug/Kg	*	08/26/15 12:51	08/28/15 20:49	1
Indeno[1,2,3-cd]pyrene	ND		420	42	ug/Kg	305	08/26/15 12:51	08/28/15 20:49	1
Isophorone	ND		420	42	ug/Kg	鉄	08/26/15 12:51	08/28/15 20:49	1
Naphthalene	ND		420	42	ug/Kg	**	08/26/15 12:51	08/28/15 20:49	1
Nitrobenzene	ND		420	42	ug/Kg	⇔	08/26/15 12:51	08/28/15 20:49	1
N-Nitrosodi-n-propylamine	ND		420	42	ug/Kg	335	08/26/15 12:51	08/28/15 20:49	1
Pentachlorophenol	ND		840	420	ug/Kg	**	08/26/15 12:51	08/28/15 20:49	1
Phenanthrene	ND		420	42	ug/Kg	*	08/26/15 12:51	08/28/15 20:49	1
Phenol	ND		420	42	ug/Kg	**	08/26/15 12:51	08/28/15 20:49	1
Pyrene	ND		420	42	ug/Kg	鉄	08/26/15 12:51	08/28/15 20:49	1
N-Nitrosodiphenylamine	ND		420		ug/Kg	*	08/26/15 12:51		1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	76		56 - 97				08/26/15 12:51	08/28/15 20:49	1
2-Fluorophenol (Surr)	69		53 - 97				08/26/15 12:51	08/28/15 20:49	1
Nitrobenzene-d5 (Surr)	70		55 - 98				08/26/15 12:51	08/28/15 20:49	1
Phenol-d5 (Surr)	72		54 - 101				08/26/15 12:51	08/28/15 20:49	1
Terphenyl-d14 (Surr)	69		58 - 123				08/26/15 12:51	08/28/15 20:49	1
2,4,6-Tribromophenol (Surr)	84		46-111				08/26/15 12:51	08/28/15 20:49	1
Method; 8330B - Nitroarom	atics and Nitra	mines (HF	PLC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trinitrobenzene	ND		240		ug/Kg	- 5	08/24/15 08:38	08/29/15 10:21	1
	100			-	-00				1.0

TestAmerica St. Louis

TestAmerica Job ID: 160-13469-1

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

Lab Sample ID: 160-13469-4

Client Sample ID: 2015.08.17.A.1.6

Matrix: Solid

TestAmerica Job ID: 160-13469-1

Date Collected: 08/17/15 10:50 Date Received: 08/20/15 09:15

Percent Solids: 78.8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trinitrotoluene	ND		240	34	ug/Kg		08/24/15 08:38	08/29/15 10:21	1
2,4-Dinitrotoluene	ND		240	36	ug/Kg		08/24/15 08:38	08/29/15 10:21	1
2,6-Dinitrotoluene	ND		240	61	ug/Kg		08/24/15 08:38	08/29/15 10:21	1
2-Amino-4,6-dinitrotoluene	ND		240	41	ug/Kg		08/24/15 08:38	08/29/15 10:21	1
4-Amino-2,6-dinitrotoluene	ND		240	89	ug/Kg		08/24/15 08:38	08/29/15 10:21	1
3-Nitrotoluene	ND		240	53	ug/Kg		08/24/15 08:38	08/29/15 10:21	1
Nitrobenzene	ND		240	41	ug/Kg		08/24/15 08:38	08/29/15 10:21	1
Nitroglycerin	ND		1200	260	ug/Kg		08/24/15 08:38	08/29/15 10:21	1
2-Nitrotoluene	ND		240	62	ug/Kg		08/24/15 08:38	08/29/15 10:21	1
4-Nitrotoluene	ND		240	78	ug/Kg		08/24/15 08:38	08/29/15 10:21	1
PETN	ND		2400	330	ug/Kg		08/24/15 08:38	08/29/15 10:21	1
RDX	ND		240	60	ug/Kg		08/24/15 08:38	08/29/15 10:21	1
HMX	ND		240	37	ug/Kg		08/24/15 08:38	08/29/15 10:21	1
Tetryl	ND		240	44	ug/Kg		08/24/15 08:38	08/29/15 10:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dinitrobenzene (Surr)	96		79 - 120				08/24/15 08:38	08/29/15 10:21	1

Client Sample ID: 2015.08.17.C.1

Date Collected: 08/17/15 11:00 Date Received: 08/20/15 09:15

Chloroform

Chloromethane

Ethylbenzene

cis-1,2-Dichloroethene

Lab Sample ID: 160-13469-5

Matrix: Solid Percent Solids: 78.6

Method: 8260C - Volatile Organic Compounds by GC/MS **MDL** Unit Analyte Result Qualifier RL D Prepared Analyzed Dil Fac 1,1,1,2-Tetrachloroethane ND 4.5 0.31 ug/Kg 08/23/15 03:00 08/23/15 08:19 ND 4.5 08/23/15 03:00 08/23/15 08:19 1,1,1-Trichloroethane 0.38 ug/Kg 1 1,1,2,2-Tetrachloroethane ND 4.5 0.36 08/23/15 03:00 08/23/15 08:19 ug/Kg 1 1,1,2-Trichloroethane ND 4.5 0.51 ug/Kg 08/23/15 03:00 08/23/15 08:19 1,1-Dichloroethane ND 4.5 0.35 ug/Kg 08/23/15 03:00 08/23/15 08:19 4.5 ND ug/Kg 08/23/15 03:00 08/23/15 08:19 1,1-Dichloroethene 1.4 1,2-Dibromo-3-Chloropropane ND 8.9 1.3 ug/Kg 08/23/15 03:00 08/23/15 08:19 1,2-Dichloroethane ND 4.5 0.78 ug/Kg 08/23/15 03:00 08/23/15 08:19 1,2-Dichloropropane ND 4.5 0.34 ug/Kg 08/23/15 03:00 08/23/15 08:19 ND 8.9 0.85 08/23/15 03:00 08/23/15 08:19 1,3-Dichloropropene, Total ug/Kg 2-Butanone (MEK) ND 18 1.7 ug/Kg 08/23/15 03:00 08/23/15 08:19 4-Methyl-2-pentanone (MIBK) ND 18 0.65 ug/Kg 08/23/15 03:00 08/23/15 08:19 1 ND 18 Acetone 5.8 ug/Kg 08/23/15 03:00 08/23/15 08:19 Benzene ND 4.5 0.22 ug/Kg 08/23/15 03:00 08/23/15 08:19 Bromodichloromethane ND 4.5 0.22 08/23/15 03:00 08/23/15 08:19 ug/Kg 1 ND Bromoform 4.5 0.33 ug/Kg 08/23/15 03:00 08/23/15 08:19 ND Bromomethane 8.9 0.98 ug/Kg 08/23/15 03:00 08/23/15 08:19 Carbon disulfide ND 4.5 0.62 ug/Kg 08/23/15 03:00 08/23/15 08:19 Carbon tetrachloride ND 4.5 0.46 08/23/15 03:00 08/23/15 08:19 ug/Kg 1 Chlorobenzene ND 4.5 0.34 ug/Kg 08/23/15 03:00 08/23/15 08:19 Chlorodibromomethane ND 4.5 0.37 ug/Kg 08/23/15 03:00 08/23/15 08:19 Chloroethane ND 8.9 0.47 ug/Kg 08/23/15 03:00 08/23/15 08:19

TestAmerica St. Louis

08/23/15 08:19

08/23/15 08:19

08/23/15 03:00 08/23/15 08:19

08/23/15 03:00 08/23/15 08:19

08/23/15 03:00

08/23/15 03:00

4.5

8.9

4.5

4.5

0.34 ug/Kg

0.54 ug/Kg

0.27 ug/Kg

ug/Kg

0.58

ND

ND

ND

ND

1

Client: SEMS, Inc.

Benzo[a]pyrene

Project/Site: Camp Minden Baseline Project

Client Sample ID: 2015.08.17.C.1

Date Collected: 08/17/15 11:00 Date Received: 08/20/15 09:15

TestAmerica Job ID: 160-13469-1

Lab Sample ID: 160-13469-5

Matrix: Solid Percent Solids: 78.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	ND	*	4.5	0.61	ug/Kg	D	08/23/15 03:00	08/23/15 08:19	1
Isobutyl alcohol	ND		180	23	ug/Kg	**	08/23/15 03:00	08/23/15 08:19	1
Methyl tert-butyl ether	ND		4.5	0.43	ug/Kg	益	08/23/15 03:00	08/23/15 08:19	1
Methylene Chloride	ND		4.5	1.4	ug/Kg	数	08/23/15 03:00	08/23/15 08:19	1
Styrene	ND		4.5	0.31	ug/Kg	**	08/23/15 03:00	08/23/15 08:19	1
Tetrachloroethene	ND		4.5	0.29	ug/Kg	**	08/23/15 03:00	08/23/15 08:19	1
Toluene	ND		4.5	0.63	ug/Kg	**	08/23/15 03:00	08/23/15 08:19	1
trans-1,2-Dichloroethene	ND		4.5	0.84	ug/Kg	**	08/23/15 03:00	08/23/15 08:19	1
Trichloroethene	ND		4.5	0.35	ug/Kg	尊	08/23/15 03:00	08/23/15 08:19	1
Trichlorofluoromethane	ND		4.5	0.45	ug/Kg	章	08/23/15 03:00	08/23/15 08:19	1
Vinyl chloride	ND		4.5	0.38	ug/Kg	*	08/23/15 03:00	08/23/15 08:19	1
Xylenes, Total	0.78	J	8.9	0.76	ug/Kg	***	08/23/15 03:00	08/23/15 08:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		72 - 127	08/23/15 03:00	08/23/15 08:19	1
4-Bromofluorobenzene (Surr)	125	*	63 - 150	08/23/15 03:00	08/23/15 08:19	1
Dibromofluoromethane (Surr)	100		70 - 126	08/23/15 03:00	08/23/15 08:19	1
Toluene-d8 (Surr)	106		80 - 120	08/23/15 03:00	08/23/15 08:19	1

Mothe de 9370D - Seminatet	100	100/120				00/23/13 03.00	08/23/15 08:19	,
Method: 8270D - Semivolati Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND	420	42	ug/Kg	75	08/26/15 12:51	08/28/15 21:22	1
1,2,4,5-Tetrachlorobenzene	ND	420	42	ug/Kg	*	08/26/15 12:51	08/28/15 21:22	1
1,2,4-Trichlorobenzene	ND	420	42	ug/Kg	**	08/26/15 12:51	08/28/15 21:22	1
1,2-Dichlorobenzene	ND	420	42	ug/Kg	禁	08/26/15 12:51	08/28/15 21:22	1
1,3-Dichlorobenzene	ND	420	42	ug/Kg	**	08/26/15 12:51	08/28/15 21:22	1
1,3-Dinitrobenzene	ND	420	42	ug/Kg	*	08/26/15 12:51	08/28/15 21:22	1
1,4-Dichlorobenzene	ND	420	42	ug/Kg	尊	08/26/15 12:51	08/28/15 21:22	1
2,3,4,6-Tetrachlorophenol	ND	2000	42	ug/Kg	鉄	08/26/15 12:51	08/28/15 21:22	1
2,4,5-Trichlorophenol	ND	420	42	ug/Kg	305	08/26/15 12:51	08/28/15 21:22	1
2,4,6-Trichlorophenol	ND	420	42	ug/Kg	*	08/26/15 12:51	08/28/15 21:22	1
2,4-Dichlorophenol	ND	420	42	ug/Kg	*	08/26/15 12:51	08/28/15 21:22	1
2,4-Dimethylphenol	ND	420	42	ug/Kg	**	08/26/15 12:51	08/28/15 21:22	1
2,4-Dinitrophenol	ND *	2000	420	ug/Kg	**	08/26/15 12:51	08/28/15 21:22	1
2,4-Dinitrotoluene	ND	420	42	ug/Kg	*	08/26/15 12:51	08/28/15 21:22	1
2,6-Dinitrotoluene	ND	420	42	ug/Kg	*	08/26/15 12:51	08/28/15 21:22	1
2-Chloronaphthalene	ND	420	42	ug/Kg	**	08/26/15 12:51	08/28/15 21:22	1
2-Chlorophenol	ND	420	42	ug/Kg	**	08/26/15 12:51	08/28/15 21:22	1
2-Methylnaphthalene	ND	420	42	ug/Kg	*	08/26/15 12:51	08/28/15 21:22	1
2-Nitroaniline	ND	420	42	ug/Kg	数	08/26/15 12:51	08/28/15 21:22	1
3,3'-Dichlorobenzidine	ND	2000	420	ug/Kg	**	08/26/15 12:51	08/28/15 21:22	1
3-Nitroaniline	ND	420	42	ug/Kg	*	08/26/15 12:51	08/28/15 21:22	1
4-Nitroaniline	ND	2000	420	ug/Kg	**	08/26/15 12:51	08/28/15 21:22	1
4-Nitrophenol	ND	2000	420	ug/Kg	袋	08/26/15 12:51	08/28/15 21:22	1
Acenaphthene	ND	420	42	ug/Kg	袋	08/26/15 12:51	08/28/15 21:22	1
Acenaphthylene	ND	420	42	ug/Kg	*	08/26/15 12:51	08/28/15 21:22	1
Aniline	ND	420	75	ug/Kg	**	08/26/15 12:51	08/28/15 21:22	1
Anthracene	ND	420	42	ug/Kg	**	08/26/15 12:51	08/28/15 21:22	1
Benzo[a]anthracene	ND	420	42	ug/Kg	*	08/26/15 12:51	08/28/15 21:22	1
				ARTERIOR STATE OF THE STATE OF				

TestAmerica St. Louis

□ 08/26/15 12:51 08/28/15 21:22

420

ND

42 ug/Kg

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

Client Sample ID: 2015.08.17.C.1

Date Collected: 08/17/15 11:00 Date Received: 08/20/15 09:15 Lab Sample ID: 160-13469-5 Matrix: Solid

Percent Solids: 78.6

Method: 8270D - Semivola Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fa
Benzo[b]fluoranthene	ND		420	42	ug/Kg	*	08/26/15 12:51	08/28/15 21:22	
Benzo[k]fluoranthene	ND		420	42	ug/Kg	数	08/26/15 12:51	08/28/15 21:22	9
bis (2-chloroisopropyl) ether	ND		420	42	ug/Kg	**	08/26/15 12:51	08/28/15 21:22	
Bis(2-chloroethyl)ether	ND		420	42	ug/Kg	**	08/26/15 12:51	08/28/15 21:22	
Bis(2-ethylhexyl) phthalate	ND		420	57	ug/Kg	**	08/26/15 12:51	08/28/15 21:22	
Butyl benzyl phthalate	ND		420	42	ug/Kg	**	08/26/15 12:51	08/28/15 21:22	5
Chrysene	ND		420	42	ug/Kg	305	08/26/15 12:51	08/28/15 21:22	
Dibenz(a,h)anthracene	ND		420	42	ug/Kg	*	08/26/15 12:51	08/28/15 21:22	
Dibenzofuran	ND		420	42	ug/Kg	**	08/26/15 12:51	08/28/15 21:22	
Diethyl phthalate	ND		420	42	ug/Kg	33	08/26/15 12:51	08/28/15 21:22	
Dimethyl phthalate	ND		420	42	ug/Kg	**	08/26/15 12:51	08/28/15 21:22	9
Di-n-butyl phthalate	ND		420	42	ug/Kg	33	08/26/15 12:51	08/28/15 21:22	
Di-n-octyl phthalate	ND		420	42	ug/Kg	ø	08/26/15 12:51	08/28/15 21:22	
Diphenylamine	ND	*	420	42	ug/Kg	袋	08/26/15 12:51	08/28/15 21:22	
Fluoranthene	ND		420	42		*	08/26/15 12:51	08/28/15 21:22	
Fluorene	ND		420	42	ug/Kg	¢	08/26/15 12:51	08/28/15 21:22	
Hexachlorobenzene	ND		420	42	ug/Kg	*	08/26/15 12:51	08/28/15 21:22	
Hexachlorobutadiene	ND		420		7 / 7	**	08/26/15 12:51	08/28/15 21:22	
Hexachlorocyclopentadiene	ND		2000	420	ug/Kg		08/26/15 12:51	08/28/15 21:22	
Hexachloroethane	ND		420	42	ug/Kg	**	08/26/15 12:51	08/28/15 21:22	
Indeno[1,2,3-cd]pyrene	ND		420	42	ug/Kg	**	08/26/15 12:51	08/28/15 21:22	
Isophorone	ND		420	42	7 (E) (E) (E)	**	08/26/15 12:51	08/28/15 21:22	
Naphthalene	ND		420	42		*	08/26/15 12:51	08/28/15 21:22	
Nitrobenzene	ND		420	42		Þ	08/26/15 12:51	08/28/15 21:22	0
N-Nitrosodi-n-propylamine	ND		420	42	ug/Kg	*	08/26/15 12:51	08/28/15 21:22	
Pentachlorophenol	ND		830	420	ug/Kg	*	08/26/15 12:51	08/28/15 21:22	
Phenanthrene	ND		420		ug/Kg	*	08/26/15 12:51	08/28/15 21:22	
Phenol	ND		420	42		*	08/26/15 12:51	08/28/15 21:22	
Pyrene	ND		420	42	ug/Kg	*	08/26/15 12:51	08/28/15 21:22	
N-Nitrosodiphenylamine	ND		420	42	ug/Kg	⇔	08/26/15 12:51	08/28/15 21:22	
Surrogate		Qualifier	Limits				Prepared	Analyzed	DII Fa
2-Fluorobiphenyl (Surr)	78		56 - 97				08/26/15 12:51	08/28/15 21:22	
2-Fluorophenol (Surr)	73		53 - 97				08/26/15 12:51	08/28/15 21:22	
Nitrobenzene-d5 (Surr)	72		55 - 98				08/26/15 12:51	08/28/15 21:22	
Phenol-d5 (Surr)	74		54 - 101				08/26/15 12:51	08/28/15 21:22	
Terphenyl-d14 (Surr)	72		58 - 123				08/26/15 12:51	08/28/15 21:22	
2,4,6-Tribromophenol (Surr)	83		46-111				08/26/15 12:51	08/28/15 21:22	

Mathad	9230B	Nitropromotic	es and Nitramines	(HDI C)

Analyte	Result Qualifier		MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trinitrobenzene	ND	230	26	ug/Kg		08/24/15 08:38	08/29/15 10:44	1
1,3-Dinitrobenzene	ND	230	41	ug/Kg		08/24/15 08:38	08/29/15 10:44	1
2,4,6-Trinitrotoluene	ND	230	33	ug/Kg		08/24/15 08:38	08/29/15 10:44	1
2,4-Dinitrotoluene	ND	230	35	ug/Kg		08/24/15 08:38	08/29/15 10:44	1
2,6-Dinitrotoluene	ND	230	60	ug/Kg		08/24/15 08:38	08/29/15 10:44	1
2-Amino-4,6-dinitrotoluene	ND	230	40	ug/Kg		08/24/15 08:38	08/29/15 10:44	1
4-Amino-2,6-dinitrotoluene	ND	230	87	ug/Kg		08/24/15 08:38	08/29/15 10:44	1
3-Nitrotoluene	ND	230	52	ug/Kg		08/24/15 08:38	08/29/15 10:44	1
Nitrobenzene	ND	230	40	ug/Kg		08/24/15 08:38	08/29/15 10:44	1

Client: SEMS, Inc.

Project/Site: Camp Minden Baseline Project

Client Sample ID: 2015.08.17.C.1

Date Collected: 08/17/15 11:00 Date Received: 08/20/15 09:15

TestAmerica Job ID: 160-13469-1

Lab Sample ID: 160-13469-5 Matrix: Solid

Percent Solids: 78.6

Method: 8330B	 Nitroaromatics and Nitramines ((HPLC) (Continued)
Analyte	Result Qualifier		MD

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitroglycerin	ND		1200	250	ug/Kg		08/24/15 08:38	08/29/15 10:44	1
2-Nitrotoluene	ND		230	61	ug/Kg		08/24/15 08:38	08/29/15 10:44	1
4-Nitrotoluene	ND		230	76	ug/Kg		08/24/15 08:38	08/29/15 10:44	1
PETN	ND		2300	320	ug/Kg		08/24/15 08:38	08/29/15 10:44	1
RDX	ND		230	58	ug/Kg		08/24/15 08:38	08/29/15 10:44	1
HMX	ND		230	36	ug/Kg		08/24/15 08:38	08/29/15 10:44	1
Tetryl	ND		230	43	ug/Kg		08/24/15 08:38	08/29/15 10:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dinitrobenzene (Surr)	100		79 - 120				08/24/15 08:38	08/29/15 10:44	1

Client Sample ID: 2015.08.17.C.1.6

Date Collected: 08/17/15 11:15 Date Received: 08/20/15 09:15

Lab Sample ID: 160-13469-6

Matrix: Solid Percent Solids: 81.0

Method: 8260C - Volatile Organic Compounds by GC/N
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Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		4.6	0.32	ug/Kg	**	08/23/15 03:00	08/23/15 08:44	1
1,1,1-Trichloroethane	ND		4.6	0.39	ug/Kg	**	08/23/15 03:00	08/23/15 08:44	1
1,1,2,2-Tetrachloroethane	ND	*	4.6	0.37	ug/Kg	325	08/23/15 03:00	08/23/15 08:44	1
1,1,2-Trichloroethane	ND		4.6	0.52	ug/Kg	**	08/23/15 03:00	08/23/15 08:44	1
1,1-Dichloroethane	ND		4.6	0.36	ug/Kg	3\$	08/23/15 03:00	08/23/15 08:44	1
1,1-Dichloroethene	ND		4.6	1.5	ug/Kg	*	08/23/15 03:00	08/23/15 08:44	1
1,2-Dibromo-3-Chloropropane	ND	*	9.1	1.3	ug/Kg	鉄	08/23/15 03:00	08/23/15 08:44	1
1,2-Dichloroethane	ND		4.6	0.79	ug/Kg	*	08/23/15 03:00	08/23/15 08:44	1
1,2-Dichloropropane	ND		4.6	0.35	ug/Kg	305	08/23/15 03:00	08/23/15 08:44	1
1,3-Dichloropropene, Total	ND		9.1	0.87	ug/Kg	*	08/23/15 03:00	08/23/15 08:44	1
2-Butanone (MEK)	ND		18	1.8	ug/Kg	**	08/23/15 03:00	08/23/15 08:44	1
4-Methyl-2-pentanone (MIBK)	ND		18	0.67	ug/Kg	*	08/23/15 03:00	08/23/15 08:44	1
Acetone	12	J	18	5.9	ug/Kg	**	08/23/15 03:00	08/23/15 08:44	1
Benzene	ND		4.6	0.23	ug/Kg	*	08/23/15 03:00	08/23/15 08:44	1
Bromodichloromethane	ND		4.6	0.23	ug/Kg	**	08/23/15 03:00	08/23/15 08:44	1
Bromoform	ND	*	4.6	0.34	ug/Kg	龄	08/23/15 03:00	08/23/15 08:44	1
Bromomethane	ND		9.1	1.0	ug/Kg	**	08/23/15 03:00	08/23/15 08:44	1
Carbon disulfide	ND		4.6	0.63	ug/Kg	*	08/23/15 03:00	08/23/15 08:44	1
Carbon tetrachloride	ND		4.6	0.47	ug/Kg	**	08/23/15 03:00	08/23/15 08:44	1
Chlorobenzene	ND		4.6	0.35	ug/Kg	鉄	08/23/15 03:00	08/23/15 08:44	1
Chlorodibromomethane	ND		4.6	0.37	ug/Kg	*	08/23/15 03:00	08/23/15 08:44	1
Chloroethane	ND		9.1	0.47	ug/Kg	*	08/23/15 03:00	08/23/15 08:44	1
Chloroform	ND		4.6	0.35	ug/Kg	305	08/23/15 03:00	08/23/15 08:44	1
Chloromethane	ND		9.1	0.59	ug/Kg	**	08/23/15 03:00	08/23/15 08:44	1
cis-1,2-Dichloroethene	ND		4.6	0.55	ug/Kg	***	08/23/15 03:00	08/23/15 08:44	1
Ethylbenzene	0.54	J	4.6	0.27	ug/Kg	*	08/23/15 03:00	08/23/15 08:44	1
Hexachlorobutadiene	ND	•	4.6	0.62	ug/Kg	**	08/23/15 03:00	08/23/15 08:44	1
Isobutyl alcohol	ND		180	23	ug/Kg	*	08/23/15 03:00	08/23/15 08:44	1
Methyl tert-butyl ether	ND		4.6	0.44	ug/Kg	**	08/23/15 03:00	08/23/15 08:44	1
Methylene Chloride	ND		4.6	1.4	ug/Kg	**	08/23/15 03:00	08/23/15 08:44	1
Styrene	ND		4.6	0.32	ug/Kg	**	08/23/15 03:00	08/23/15 08:44	1
Tetrachloroethene	ND		4.6	0.29	ug/Kg	**	08/23/15 03:00	08/23/15 08:44	1
Toluene	ND		4.6	0.64	ug/Kg	**	08/23/15 03:00	08/23/15 08:44	1

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

Client Sample ID: 2015.08.17.C.1.6

Date Collected: 08/17/15 11:15

Date Received: 08/20/15 09:15

TestAmerica Job ID: 160-13469-1

Lab Sample ID: 160-13469-6

Matrix: Solid

Percent Solids: 81.0

Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fa
trans-1,2-Dichloroethene	ND		4.6	0.86	ug/Kg	*	08/23/15 03:00	08/23/15 08:44	
Trichloroethene	ND		4.6		ug/Kg	**	08/23/15 03:00		
Trichlorofluoromethane	ND		4.6		ug/Kg	**	08/23/15 03:00	08/23/15 08:44	
Vinyl chloride	ND		4.6		ug/Kg	*	08/23/15 03:00	08/23/15 08:44	
Xylenes, Total	7.4	J	9.1	0.78	ug/Kg	Ö	08/23/15 03:00	08/23/15 08:44	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1,2-Dichloroethane-d4 (Surr)	117		72 - 127				08/23/15 03:00	08/23/15 08:44	
4-Bromofluorobenzene (Surr)	133	*	63 - 150				08/23/15 03:00	08/23/15 08:44	
Dibromofluoromethane (Surr)	109		70 - 126				08/23/15 03:00	08/23/15 08:44	
Toluene-d8 (Surr)	113		80 - 120				08/23/15 03:00	08/23/15 08:44	
Method: 8270D - Semivolat	tile Organic Co	mpounds	(GC/MS)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
1,1'-Biphenyl	ND		400	41	ug/Kg	**	08/26/15 12:51	08/28/15 21:55	
1,2,4,5-Tetrachlorobenzene	ND		400	41	ug/Kg	Ø	08/26/15 12:51	08/28/15 21:55	
1,2,4-Trichlorobenzene	ND		400	41	ug/Kg	故	08/26/15 12:51	08/28/15 21:55	
1,2-Dichlorobenzene	ND		400	41	ug/Kg	**	08/26/15 12:51	08/28/15 21:55	
1,3-Dichlorobenzene	ND		400	41	ug/Kg	**	08/26/15 12:51	08/28/15 21:55	
1,3-Dinitrobenzene	ND		400	41	ug/Kg	**	08/26/15 12:51	08/28/15 21:55	
1,4-Dichlorobenzene	ND		400	41	ug/Kg	**	08/26/15 12:51	08/28/15 21:55	
2,3,4,6-Tetrachlorophenol	ND		2000	41	ug/Kg	**	08/26/15 12:51	08/28/15 21:55	
2,4,5-Trichlorophenol	ND		400	41	ug/Kg	**	08/26/15 12:51	08/28/15 21:55	
2,4,6-Trichlorophenol	ND		400	41	ug/Kg	袋	08/26/15 12:51	08/28/15 21:55	
2,4-Dichlorophenol	ND		400	41	ug/Kg	*	08/26/15 12:51	08/28/15 21:55	
2,4-Dimethylphenol	ND		400	41	ug/Kg	**	08/26/15 12:51	08/28/15 21:55	
2,4-Dinitrophenol	ND	•	2000	400	ug/Kg	⇔	08/26/15 12:51	08/28/15 21:55	
2,4-Dinitrotoluene	ND		400	41	ug/Kg	*	08/26/15 12:51	08/28/15 21:55	
2,6-Dinitrotoluene	ND		400	41	ug/Kg	**	08/26/15 12:51	08/28/15 21:55	
2-Chloronaphthalene	ND		400	41	ug/Kg	**	08/26/15 12:51	08/28/15 21:55	
2-Chlorophenol	ND		400	41	ug/Kg	**	08/26/15 12:51	08/28/15 21:55	
2-Methylnaphthalene	ND		400	41	ug/Kg	**	08/26/15 12:51		
2-Nitroaniline	ND		400	41	ug/Kg	**	08/26/15 12:51	08/28/15 21:55	
3,3'-Dichlorobenzidine	ND		2000	400	ug/Kg	*		08/28/15 21:55	
3-Nitroaniline	ND		400	41	ug/Kg	**	08/26/15 12:51		
4-Nitroaniline	ND		2000	400	ug/Kg	**	08/26/15 12:51		
4-Nitrophenol	ND		2000	400	- T-190 T-1	325	08/26/15 12:51	08/28/15 21:55	
Acenaphthene	ND		400	41	ug/Kg	*	08/26/15 12:51		
Acenaphthylene	ND		400	41	ug/Kg	**	08/26/15 12:51		
Aniline	ND		400	73	ug/Kg	**	08/26/15 12:51		
Anthracene	ND		400	41	ug/Kg	**	08/26/15 12:51		
Benzo[a]anthracene	ND		400	41	ug/Kg	*	08/26/15 12:51		
Benzo[a]pyrene	ND		400	41	ug/Kg	**	08/26/15 12:51		
Benzo[b]fluoranthene	ND		400	41	ug/Kg	**	08/26/15 12:51	08/28/15 21:55	
Benzo[k]fluoranthene	ND		400	41	ug/Kg	**	08/26/15 12:51	and the state of t	
bis (2-chloroisopropyl) ether	ND		400	41	ug/Kg	**	08/26/15 12:51	1. 44 M. 1984; A. 19	
Bis(2-chloroethyl)ether	ND		400			*	08/26/15 12:51	08/28/15 21:55	
	ND		400	41	ug/Kg				
Bis(2-ethylhexyl) phthalate			400	55	ug/Kg	33	08/26/15 12:51	08/28/15 21:55	
Butyl benzyl phthalate	ND		400	41	ug/Kg	100	08/26/15 12:51	08/28/15 21:55	

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

Client Sample ID: 2015.08.17.C.1.6

Date Collected: 08/17/15 11:15

Lab Sample ID: 160-13469-6

Matrix: Solid

TestAmerica Job ID: 160-13469-1

Percent Solids: 81.0

Date Received: 08/20/15 09:15	
Method: 8270D - Semivolatile Organic Comp	ounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		400	41	ug/Kg	数	08/26/15 12:51	08/28/15 21:55	1
Dibenzofuran	ND		400	41	ug/Kg	₩	08/26/15 12:51	08/28/15 21:55	1
Diethyl phthalate	ND		400	41	ug/Kg	335	08/26/15 12:51	08/28/15 21:55	1
Dimethyl phthalate	ND		400	41	ug/Kg	**	08/26/15 12:51	08/28/15 21:55	1
Di-n-butyl phthalate	ND		400	41	ug/Kg	*	08/26/15 12:51	08/28/15 21:55	1
Di-n-octyl phthalate	ND		400	41	ug/Kg	**	08/26/15 12:51	08/28/15 21:55	1
Diphenylamine	ND	*	400	41	ug/Kg	鉄	08/26/15 12:51	08/28/15 21:55	1
Fluoranthene	ND		400	41	ug/Kg	**	08/26/15 12:51	08/28/15 21:55	1
Fluorene	ND		400	41	ug/Kg	**	08/26/15 12:51	08/28/15 21:55	1
Hexachlorobenzene	ND		400	41	ug/Kg	**	08/26/15 12:51	08/28/15 21:55	1
Hexachlorobutadiene	ND		400	41	ug/Kg	**	08/26/15 12:51	08/28/15 21:55	1
Hexachlorocyclopentadiene	ND		2000	400	ug/Kg	*	08/26/15 12:51	08/28/15 21:55	1
Hexachloroethane	ND		400	41	ug/Kg	**	08/26/15 12:51	08/28/15 21:55	1
Indeno[1,2,3-cd]pyrene	ND		400	41	ug/Kg	*	08/26/15 12:51	08/28/15 21:55	1
Isophorone	ND		400	41	ug/Kg	335	08/26/15 12:51	08/28/15 21:55	1
Naphthalene	ND		400	41	ug/Kg	⇔	08/26/15 12:51	08/28/15 21:55	1
Nitrobenzene	ND		400	41	ug/Kg	325	08/26/15 12:51	08/28/15 21:55	1
N-Nitrosodi-n-propylamine	ND		400	41	ug/Kg	*	08/26/15 12:51	08/28/15 21:55	1
Pentachlorophenol	ND		810	400	ug/Kg	*	08/26/15 12:51	08/28/15 21:55	1
Phenanthrene	ND		400	41	ug/Kg	*	08/26/15 12:51	08/28/15 21:55	1
Phenol	ND		400	41	ug/Kg	故	08/26/15 12:51	08/28/15 21:55	1
Pyrene	ND		400	41	ug/Kg	*	08/26/15 12:51	08/28/15 21:55	1
N-Nitrosodiphenylamine	ND		400	41	ug/Kg	鉄	08/26/15 12:51	08/28/15 21:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	73		56 - 97	08/26/15 12:51	08/28/15 21:55	1
2-Fluorophenol (Surr)	66		53 - 97	08/26/15 12:51	08/28/15 21:55	1
Nitrobenzene-d5 (Surr)	68		55-98	08/26/15 12:51	08/28/15 21:55	1
Phenol-d5 (Surr)	69		54 - 101	08/26/15 12:51	08/28/15 21:55	1
Terphenyl-d14 (Surr)	67		58 - 123	08/26/15 12:51	08/28/15 21:55	1
2,4,6-Tribromophenol (Surr)	75		46-111	08/26/15 12:51	08/28/15 21:55	1

Method: 8330B - Nitroarom: Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trinitrobenzene	ND		250	27	ug/Kg		08/24/15 08:38	08/29/15 11:07	1
1,3-Dinitrobenzene	ND		250	43	ug/Kg		08/24/15 08:38	08/29/15 11:07	1
2,4,6-Trinitrotoluene	ND		250	36	ug/Kg		08/24/15 08:38	08/29/15 11:07	1
2,4-Dinitrotoluene	ND		250	38	ug/Kg		08/24/15 08:38	08/29/15 11:07	1
2,6-Dinitrotoluene	ND		250	64	ug/Kg		08/24/15 08:38	08/29/15 11:07	1
2-Amino-4,6-dinitrotoluene	ND		250	43	ug/Kg		08/24/15 08:38	08/29/15 11:07	1
4-Amino-2,6-dinitrotoluene	ND		250	93	ug/Kg		08/24/15 08:38	08/29/15 11:07	1
3-Nitrotoluene	ND		250	55	ug/Kg		08/24/15 08:38	08/29/15 11:07	1
Nitrobenzene	ND		250	43	ug/Kg		08/24/15 08:38	08/29/15 11:07	1
Nitroglycerin	ND		1200	270	ug/Kg		08/24/15 08:38	08/29/15 11:07	1
2-Nitrotoluene	ND		250	65	ug/Kg		08/24/15 08:38	08/29/15 11:07	1
4-Nitrotoluene	ND		250	81	ug/Kg		08/24/15 08:38	08/29/15 11:07	1
PETN	ND		2500	340	ug/Kg		08/24/15 08:38	08/29/15 11:07	1
RDX	ND		250	62	ug/Kg		08/24/15 08:38	08/29/15 11:07	1
HMX	ND		250	39	ug/Kg		08/24/15 08:38	08/29/15 11:07	1
Tetryl	ND		250	46	ug/Kg		08/24/15 08:38	08/29/15 11:07	1

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

Client Sample ID: 2015.08.17.C.1.6

Date Collected: 08/17/15 11:15 Date Received: 08/20/15 09:15

TestAmerica Job ID: 160-13469-1

Lab Sample ID: 160-13469-6

Matrix: Solid

Percent Solids: 81.0

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dinitrobenzene (Surr)	98	79 - 120	08/24/15 08:38	08/29/15 11:07	1

Client Sample ID: 2015.08.17.C.3

Date Collected: 08/17/15 11:30 Date Received: 08/20/15 09:15 Lab Sample ID: 160-13469-7

Matrix: Solid Percent Solids: 79.6

Method: 8260C - Volatile O Analyte	Result Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	4.5	0.31	ug/Kg	23	08/27/15 15:48	08/27/15 19:28	1
1,1,1-Trichloroethane	ND	4.5	0.38	ug/Kg	**	08/27/15 15:48	08/27/15 19:28	1
1,1,2,2-Tetrachloroethane	ND	4.5	0.36	ug/Kg	尊	08/27/15 15:48	08/27/15 19:28	1
1,1,2-Trichloroethane	ND	4.5	0.51	ug/Kg	口	08/27/15 15:48	08/27/15 19:28	1
1,1-Dichloroethane	ND	4.5	0.35	ug/Kg	尊	08/27/15 15:48	08/27/15 19:28	1
1,1-Dichloroethene	ND	4.5	1.4	ug/Kg	**	08/27/15 15:48	08/27/15 19:28	1
1,2-Dibromo-3-Chloropropane	ND	8.9	1.3	ug/Kg	*	08/27/15 15:48	08/27/15 19:28	1
1,2-Dichloroethane	ND	4.5	0.78	ug/Kg	数	08/27/15 15:48	08/27/15 19:28	1
1,2-Dichloropropane	ND	4.5	0.34	ug/Kg	*	08/27/15 15:48	08/27/15 19:28	1
1,3-Dichloropropene, Total	ND	8.9	0.85	ug/Kg	*	08/27/15 15:48	08/27/15 19:28	1
2-Butanone (MEK)	ND	18	1.7	ug/Kg	章	08/27/15 15:48	08/27/15 19:28	1
4-Methyl-2-pentanone (MIBK)	ND	18	0.65	ug/Kg	**	08/27/15 15:48	08/27/15 19:28	1
Acetone	ND	18	5.8	ug/Kg	尊	08/27/15 15:48	08/27/15 19:28	1
Benzene	ND	4.5	0.22	ug/Kg	兹	08/27/15 15:48	08/27/15 19:28	1
Bromodichloromethane	ND	4.5	0.22	ug/Kg	*	08/27/15 15:48	08/27/15 19:28	1
Bromoform	ND	4.5	0.33	ug/Kg	**	08/27/15 15:48	08/27/15 19:28	1
Bromomethane	ND	8.9	0.98	ug/Kg	⇔	08/27/15 15:48	08/27/15 19:28	1
Carbon disulfide	ND	4.5		ug/Kg	**	08/27/15 15:48	08/27/15 19:28	1
Carbon tetrachloride	ND	4.5	0.46	ug/Kg	*	08/27/15 15:48	08/27/15 19:28	1
Chlorobenzene	ND	4.5	0.34	ug/Kg	**	08/27/15 15:48	08/27/15 19:28	1
Chlorodibromomethane	ND	4.5	0.37	ug/Kg	**	08/27/15 15:48	08/27/15 19:28	1
Chloroethane	ND	8.9	0.46	ug/Kg	**	08/27/15 15:48	08/27/15 19:28	1
Chloroform	ND	4.5	0.34	ug/Kg	*	08/27/15 15:48	08/27/15 19:28	1
Chloromethane	ND	8.9	0.58	ug/Kg	*	08/27/15 15:48	08/27/15 19:28	1
cis-1,2-Dichloroethene	ND	4.5	0.54	ug/Kg	章	08/27/15 15:48	08/27/15 19:28	1
Ethylbenzene	ND	4.5	0.27	ug/Kg	325	08/27/15 15:48	08/27/15 19:28	1
Hexachlorobutadiene	ND	4.5	0.61	ug/Kg	*	08/27/15 15:48	08/27/15 19:28	1
Isobutyl alcohol	ND	180	23	ug/Kg	禁	08/27/15 15:48	08/27/15 19:28	1
Methyl tert-butyl ether	ND	4.5		ug/Kg	*	08/27/15 15:48	08/27/15 19:28	1
Methylene Chloride	ND	4.5		ug/Kg	*	08/27/15 15:48	08/27/15 19:28	1
Styrene	ND	4.5	0.31	ug/Kg	*	08/27/15 15:48	08/27/15 19:28	1
Tetrachloroethene	ND	4.5	0.29		3\$8	08/27/15 15:48	08/27/15 19:28	1
Toluene	ND	4.5		ug/Kg	*	08/27/15 15:48	08/27/15 19:28	1
trans-1,2-Dichloroethene	ND	4.5	0.84	ug/Kg	325	08/27/15 15:48	08/27/15 19:28	1
Trichloroethene	ND	4.5		ug/Kg	*		08/27/15 19:28	4
Trichlorofluoromethane	ND	4.5		ug/Kg	**			1
Vinyl chloride	ND	4.5		ug/Kg	*	08/27/15 15:48		1
Xylenes, Total	ND	8.9		ug/Kg	320	. 이번에 가게 되었다면 하게 하였다.	08/27/15 19:28	1
Surrogate	%Recovery Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93	72 - 127				08/27/15 15:48	08/27/15 19:28	1
4-Bromofluorobenzene (Surr)	105	63 - 150				08/27/15 15:48	08/27/15 19:28	1

Client: SEMS, Inc.

Project/Site: Camp Minden Baseline Project

Client Sample ID: 2015.08.17.C.3

Lab Sample ID: 160-13469-7 Date Collected: 08/17/15 11:30 Matrix: Solid Date Received: 08/20/15 09:15 Percent Solids: 79.6

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

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	100	70 - 126	08/27/15 15:48	08/27/15 19:28	1
Toluene-d8 (Surr)	105	80 - 120	08/27/15 15:48	08/27/15 19:28	1

1,1-Eigheny ND	Dibromonacromonane (Garr)	100		10-120				00/21/10 10.40	00/2//13 19.20	,
Analyte	Toluene-d8 (Surr)	105		80 - 120				08/27/15 15:48	08/27/15 19:28	1
Analyte	Method: 8270D - Semivolat	ile Organic Co	mpounds	(GC/MS)						
1,2,4,5-Trichlorobenzene					MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-F-Trichlorobenzene ND 410 41 ug/Kg 0 08/26/15 12:51 08/28/15 22:28 1,2-Dichlorobenzene ND 410 41 ug/Kg 0 08/26/15 12:51 08/28/15 22:28 1,3-Dichlorobenzene ND 410 41 ug/Kg 0 08/26/15 12:51 08/28/15 22:28 1,3-Dichlorobenzene ND 410 41 ug/Kg 0 08/26/15 12:51 08/28/15 22:28 1,3-Dichlorobenzene ND 410 41 ug/Kg 0 08/26/15 12:51 08/28/15 22:28 2,3,4,6-Tetrachlorophenol ND 2000 41 ug/Kg 0 08/26/15 12:51 08/28/15 22:28 2,3,4,6-Tetrachlorophenol ND 410 41 ug/Kg 0 08/26/15 12:51 08/28/15 22:28 2,4,6-Trichlorophenol ND 410 41 ug/Kg 0 08/26/15 12:51 08/28/15 22:28 2,4-Dichlorophenol ND 410 41 ug/Kg 0 08/26/15 12:51 08/28/15 22:28 2,4-Dinhorophenol ND 410 41 ug/Kg 0 08/26/15 12:51 08/28/15 22:28 2,4-Dinhorophenol ND 410 41 ug/Kg 0 08/26/15 12:51 08/28/15 22:28 2,4-Dinhorophenol ND 410 41 ug/Kg 0 08/26/15 12:51 08/28/15 22:28 2,4-Dinhorophenol ND 410 41 ug/Kg 0 08/26/15 12:51 08/28/15 22:28 2,4-Dinhorophenol ND 410 41 ug/Kg 0 08/26/15 12:51 08/28/15 22:28 2,4-Dinhorophenol ND 410 41 ug/Kg 0 08/26/15 12:51 08/28/15 22:28 2,4-Dinhorophenol ND 410 41 ug/Kg 0 08/26/15 12:51 08/28/15 22:28 2,4-Dinhorophenol ND 410 41 ug/Kg 0 08/26/15 12:51 08/28/15 22:28 2,4-Dinhorophenol ND 410 41 ug/Kg 0 08/26/15 12:51 08/28/15 22:28 2,4-Dinhorophenol ND 410 41 ug/Kg 0 08/26/15 12:51 08/28/15 22:28 2,4-Dinhorophenol ND 410 41 ug/Kg 0 08/26/15 12:51 08/28/15 22:28 2,4-Dinhorophenol ND 410 41 ug/Kg 0 08/26/15 12:51 08/28/15 22:28 2,4-Dinhorophenol ND 410 41 ug/Kg 0 08/26/15 12:51 08/28/15 22:28 2,4-Dinhorophenol ND 410 41 ug/Kg 0 08/26/15 12:51 08/28/15 22:28 2,4-Dinhorophenol ND 410 41 ug/Kg 0 08/26/15 12:51 08/28/15 22:28 2,4-Dinhorophenol ND 410 41 ug/Kg	1,1'-Biphenyl	ND		410	41	ug/Kg	***	08/26/15 12:51	08/28/15 22:28	1
1,2-Dichlorobenzene ND 410 41 ug/Kg 9 08/26/15 12:51 08/28/15 22:28 1,3-Dichlorobenzene ND 410 41 ug/Kg 9 08/26/15 12:51 08/28/15 22:28 1,3-Diritrobenzene ND 410 41 ug/Kg 9 08/26/15 12:51 08/28/15 22:28 1,4-Dichlorobenzene ND 410 41 ug/Kg 9 08/26/15 12:51 08/28/15 22:28 2,4,5-Trichlorophenol ND 410 41 ug/Kg 9 08/26/15 12:51 08/28/15 22:28 2,4,5-Trichlorophenol ND 410 41 ug/Kg 9 08/26/15 12:51 08/28/15 22:28 2,4,5-Trichlorophenol ND 410 41 ug/Kg 9 08/26/15 12:51 08/28/15 22:28 2,4,5-Trichlorophenol ND 410 41 ug/Kg 9 08/26/15 12:51 08/28/15 22:28 2,4-Dichlorophenol ND 410 41 ug/Kg 9 08/26/15 12:51 08/28/15 22:28 2,4-Dichlorophenol ND 410 41 ug/Kg 9 08/26/15 12:51 08/28/15 22:28 2,4-Dinitrophenol ND 410 41 ug/Kg 9 08/26/15 12:51 08/28/15 22:28 2,4-Dinitrophenol ND 410 41 ug/Kg 9 08/26/15 12:51 08/28/15 22:28 2,4-Dinitrophenol ND 410 41 ug/Kg 9 08/26/15 12:51 08/28/15 22:28 2,4-Dinitrobluene ND 410 41 ug/Kg 9 08/26/15 12:51 08/28/15 22:28 2,5-Dinitrobluene ND 410 41 ug/Kg 9 08/26/15 12:51 08/28/15 22:28 2,5-Dinitrobluene ND 410 41 ug/Kg 9 08/26/15 12:51 08/28/15 22:28 2,5-Dinitrobluene ND 410 41 ug/Kg 9 08/26/15 12:51 08/28/15 22:28 2,5-Dinitroblenol ND 410 41 ug/Kg 9 08/26/15 12:51 08/28/15 22:28 2,5-Dinitroblenol ND 410 41 ug/Kg 9 08/26/15 12:51 08/28/15 22:28 2,5-Dinitroblenol ND 410 41 ug/Kg 9 08/26/15 12:51 08/28/15 22:28 2,5-Dinitroblenol ND 410 41 ug/Kg 9 08/26/15 12:51 08/28/15 22:28 2,5-Dinitroblenol ND 410 41 ug/Kg 9 08/26/15 12:51 08/28/15 22:28 2,5-Dinitroblenol ND 410 41 ug/Kg 9 08/26/15 12:51 08/28/15 22:28 2,5-Dinitroblenol ND 410 41 ug/Kg 9 08/26/15 12:51 08/28/15 22:28 2,5-Dinitroblenol ND 410 41 ug/Kg 9 08/26/15 12:51 08/28/15 22:28 2,5-Dinitroblenol ND 410 41 ug/Kg 9 08/26/15 12:51 08/28/15 22:28 2,5-Dinitroblenol ND 410 41 ug/Kg 9 08/26/15 12:51 08/28/15 22:28 2,5-Dinitroblenol ND 410 41 ug/Kg 9 08/26/15 12:51 08/28/15 22:28 2,5-Dinitroblenol ND 410 41 ug/Kg 9 08/26/15 12:51 08/28/15 22:28 2,5-Dinitroblenol ND 410 410 ug/Kg 9 08/26/15 12:51 08/28/15 22:28 2,5-Dinitroblenol ND 410 410 ug/Kg 9 08/	1,2,4,5-Tetrachlorobenzene	ND		410	41	ug/Kg	口	08/26/15 12:51	08/28/15 22:28	1
1,3-Dichlorobenzene ND 410 411 Ug/Kg 0 08/26/15 12:51 08/28/15 22:28 1,3-Dinitrobenzene ND 410 411 Ug/Kg 0 08/26/15 12:51 08/28/15 22:28 2,3,4,6-Tertachlorophenol ND 410 411 Ug/Kg 0 08/26/15 12:51 08/28/15 22:28 2,4,5-Trichlorophenol ND 410 411 Ug/Kg 0 08/26/15 12:51 08/28/15 22:28 2,4,5-Trichlorophenol ND 410 411 Ug/Kg 0 08/26/15 12:51 08/28/15 22:28 2,4-Dichlorophenol ND 410 411 Ug/Kg 0 08/26/15 12:51 08/28/15 22:28 2,4-Dinitroblouene ND 410 411 Ug/Kg 0 08/26/15 12:51 08/28/15 22:28 2,4-Dinitroblouene ND 410 411 Ug/Kg 0 08/26/15 12:51 08/28/15 22:28 2,4-Dinitroblouene ND 410 411 Ug/Kg 0 08/26/15 12:51 08/28/15 22:28 2,4-Dinitroblouene ND 410 411 Ug/Kg 0 08/26/15 12:51 08/28/15 22:28 2,4-Dinitroblouene ND 410 411 Ug/Kg 0 08/26/15 12:51 08/28/15 22:28 2,4-Dinitroblouene ND 410 411 Ug/Kg 0 08/26/15 12:51 08/28/15 22:28 2,4-Dinitroblouene ND 410 411 Ug/Kg 0 08/26/15 12:51 08/28/15 22:28 2,4-Dinitroblouene ND 410 411 Ug/Kg 0 08/26/15 12:51 08/28/15 22:28 2,4-Dinitroblouene ND 410 411 Ug/Kg 0 08/26/15 12:51 08/28/15 22:28 2,4-Dinitroblouene ND 410 411 Ug/Kg 0 08/26/15 12:51 08/28/15 22:28 2,4-Dinitroblouene ND 410 411 Ug/Kg 0 08/26/15 12:51 08/28/15 22:28 2,4-Dinitroblouene ND 410 411 Ug/Kg 0 08/26/15 12:51 08/28/15 22:28 2,4-Dinitroblouene ND 410 411 Ug/Kg 0 08/26/15 12:51 08/28/15 22:28 2,4-Dinitroblouene ND 410 411 Ug/Kg 0 08/26/15 12:51 08/28/15 22:28 2,4-Dinitroblouene ND 410 411 Ug/Kg 0 08/26/15 12:51 08/28/15 22:28 2,4-Dinitroblouene ND 410 411 Ug/Kg 0 08/26/15 12:51 08/28/15 22:28 2,4-Dinitroblouene ND 410 411 Ug/Kg 0 08/26/15 12:51 08/28/15 22:28 2,4-Dinitroblouene ND 410 411 Ug/Kg 0 08/26/15 12:51 08/28/15 22:28 2,4-Dinitroblouene ND 410 411 Ug/Kg 0 08/26/15 12:51 08/28/15 22:28 2,4-Dinitroblouene ND 410 411 Ug/Kg 0 08/26/15 12:51 08/28/15 22:28 2,4-Dinitroblouene ND 410 411 Ug/Kg 0 08/26/15 12:51 08/28/15 22:28 08/28/15 12:51 08/28/15 22:28 08/28/15 12:51 08/28/15 22:28 08/28/15 12:51 08/28/15 22:28 08/28/15 12:51 08/28/15 22:28 08/28/15 12:51 08/28/15 22:28 08/28/15 12:51 08/28/15 22:28 08/28/15 12:51 0	1,2,4-Trichlorobenzene	ND		410	41	ug/Kg	**	08/26/15 12:51	08/28/15 22:28	1
1,3-Dinitrobenzene ND 410 41 ug/Kg 40 08/28/15 12:51 <	1,2-Dichlorobenzene	ND		410	41	ug/Kg	尊	08/26/15 12:51	08/28/15 22:28	4
1,4-Dichlorobenzene	1,3-Dichlorobenzene	ND		410	41	ug/Kg	**	08/26/15 12:51	08/28/15 22:28	1
2,3.4,6-Tetrachlorophenol ND 410 41 ug/Kg 0 08/26/15 12:51 08/28/15 22:28 2,4,5-Trichlorophenol ND 410 41 ug/Kg 0 08/26/15 12:51 08/28/15 22:28 2,4-5-Trichlorophenol ND 410 41 ug/Kg 0 08/26/15 12:51 08/28/15 22:28 2,4-Dichlorophenol ND 410 41 ug/Kg 0 08/26/15 12:51 08/28/15 22:28 2,4-Dimethylphenol ND 410 41 ug/Kg 0 08/26/15 12:51 08/28/15 22:28 2,4-Dimethylphenol ND 410 41 ug/Kg 0 08/26/15 12:51 08/28/15 22:28 2,4-Dinitrotoluene ND 410 41 ug/Kg 0 08/26/15 12:51 08/28/15 22:28 2,4-Dinitrotoluene ND 410 41 ug/Kg 0 08/26/15 12:51 08/28/15 22:28 2,4-Dinitrotoluene ND 410 41 ug/Kg 0 08/26/15 12:51 08/28/15 22:28 2,4-Dinitrotoluene ND 410 41 ug/Kg 0 08/26/15 12:51 08/28/15 22:28 2,4-Dinitrotoluene ND 410 41 ug/Kg 0 08/26/15 12:51 08/28/15 22:28 2,4-Dinitrotoluene ND 410 41 ug/Kg 0 08/26/15 12:51 08/28/15 22:28 2,4-Dinitrotoluene ND 410 41 ug/Kg 0 08/26/15 12:51 08/28/15 22:28 2,4-Dinitrotoluene ND 410 41 ug/Kg 0 08/26/15 12:51 08/28/15 22:28 2,4-Dinitrotoluene ND 410 41 ug/Kg 0 08/26/15 12:51 08/28/15 22:28 2,4-Dinitrotoluene ND 410 41 ug/Kg 0 08/26/15 12:51 08/28/15 22:28 2,4-Dinitrotoluene ND 410 41 ug/Kg 0 08/26/15 12:51 08/28/15 22:28 2,4-Dinitrotoluene ND 410 41 ug/Kg 0 08/26/15 12:51 08/28/15 22:28 2,4-Dinitrotoluene ND 410 41 ug/Kg 0 08/26/15 12:51 08/28/15 22:28 3,3-Dichlorobenzidine ND 410 41 ug/Kg 0 08/26/15 12:51 08/28/15 22:28 3,3-Dichlorobenzidine ND 410 41 ug/Kg 0 08/26/15 12:51 08/28/15 22:28 3,3-Dichlorobenzidine ND 410 41 ug/Kg 0 08/26/15 12:51 08/28/15 22:28 3-Dinitrotoluene ND 410 41 ug/Kg 0 08/26/15 12:51 08/28/15 22:28 3-Dinitrotoluene ND 410 41 ug/Kg 0 08/26/15 12:51 08/28/15 22:28 3-Dinitrotoluene ND 410 41 ug/Kg 0 08/26/15 12:51 08/28/15 22:28 3-Dinitrotoluene ND 410 41 ug/Kg 0 08/26/15 12:51 08/28/15 22:28 3-Dinitrotoluene ND 410 41 ug/Kg 0 08/26/15 12:51 08/28/15 22:28 3-Dinitrotoluene ND 410 41 ug/Kg 0 08/26/15 12:51 08/28/15 22:28 3-Dinitrotoluene ND 410 41 ug/Kg 0 08/26/15 12:51 08/28/15 22:28 3-Dinitrotoluene ND 410 41 ug/Kg 0 08/26/15 12:51 08/28/15 22:28 3-Dinitrotoluene ND 410 41 ug/	1,3-Dinitrobenzene	ND		410	41	ug/Kg	**	08/26/15 12:51	08/28/15 22:28	1
2,4,5-Trichlorophenol ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 2,4,5-Trichlorophenol ND 410 41 ug/Kg © 08/26/15 12:51 08/26/15 22:28 2,4-Dichlorophenol ND 410 41 ug/Kg © 08/26/15 12:51 08/26/15 22:28 2,4-Dinitrophenol ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 2,4-Dinitrotoluene ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 2,6-Dinitrotoluene ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 2,6-Dinitrotoluene ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 2,Chlorophenol ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 2-Mitroaniline ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 3-Nitroaniline ND 2000 410 ug/Kg © 08/26/15 12:51 08/26/15 12:51	1,4-Dichlorobenzene	ND		410	41	ug/Kg	**	08/26/15 12:51	08/28/15 22:28	1
2,4,6-Trichlorophenol ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 2,4-Dichlorophenol ND 410 41 ug/Kg © 08/26/15 12:51 08/26/15 22:28 2,4-Dimitrylphenol ND 410 41 ug/Kg © 08/26/15 12:51 08/26/15 22:28 2,4-Dinitrobluene ND 410 41 ug/Kg © 08/26/15 12:51 08/26/15 22:28 2,4-Dinitrobluene ND 410 41 ug/Kg © 08/26/15 12:51 08/26/15 22:28 2,4-Dinitrobluene ND 410 41 ug/Kg © 08/26/15 12:51 08/26/15 22:28 2,-Chlorophenol ND 410 41 ug/Kg © 08/26/15 12:51 08/26/15 22:28 2-Nitroanlline ND 410 41 ug/Kg © 08/26/15 12:51 08/26/15 22:28 2-Nitroanlline ND 200 410 ug/Kg © 08/26/15 12:51 08/26/15 22:28 2-Nitroanlline ND 410 41 ug/Kg 08/26/15 12:51 08/26/15 22:28	2,3,4,6-Tetrachlorophenol	ND		2000	41	ug/Kg	**	08/26/15 12:51	08/28/15 22:28	1
2,4-Dichlorophenol ND 410 411 Ug/Kg 008/26/15 12:51 08/28/15 22:28 2,4-Dimethylphenol ND 410 411 Ug/Kg 008/26/15 12:51 08/28/15 22:28 08/26/15 12:51 08/28/15 22:28 2,4-Dinitrotoluene ND 410 410 Ug/Kg 008/26/15 12:51 08/28/15 22:28 2,4-Dinitrotoluene ND 410 410 Ug/Kg 008/26/15 12:51 08/28/15 22:28 2,4-Dinitrotoluene ND 410 410 Ug/Kg 008/26/15 12:51 08/28/15 22:28 2,4-Dinitrotoluene ND 410 410 Ug/Kg 008/26/15 12:51 08/28/15 22:28 2,4-Dinitrotoluene ND 410 410 Ug/Kg 008/26/15 12:51 08/28/15 22:28 2,4-Dinitrotoluene ND 410 410 Ug/Kg 008/26/15 12:51 08/28/15 22:28 08/28/15 22:28 08/28/15 12:51 08/28/15 22:28 08/28/15 12:51 08/28/15 22:28 08/28/15 12:51 08/28/15 22:28 08/28/15 12:51 08/28/15 22:28 08/28/15 12:51 08/28/15 22:28 08/28/15 12:51 08/28/15 22:28 08/28/15 12:51 08/28/15 22:28 08/28/15 12:51 08/28/15 22:28 08/28/15 12:51 08/28/15 22:28 08/28/15 12:51 08/28/15 22:28 08/28/15 12:51 08/28/15 22:28 08/28/15 12:51 08/28/15 22:28 08/28/15 12:51 08/28/15 12:28 08/28/15 12:51 08/28/15 12:51 08/28/15 12:51 08/28/15 12:51 08/28/15 12:51 08/28/15 12:51 08/28/15 12:51 08/28/15 12:28 08/28/15 12:51 08/28/15 12:51 08/28/15 12:28 08/28/15 12:51 08/28/15 12:28 08/28/15 12:51 08/28/15 12:28 08/28/15 12:51 08/28/15 12:28 08/28/15 12:51 08/28/15 12:28 08/28/15 12:51 08/28/15 12:51 08/28/15 12:28 08/28/15 12:51 08/28/15 12:28 08/28/15 12:51 08/28/15 12:51 08/28/15 12:51 08/28/15 12:28 08/28/15 12:51 08/28/15 12:51 08/28/15 12:28 08/28/15 12:51 08/28/15 12:51 08/28/15 1	2,4,5-Trichlorophenol	ND		410	41	ug/Kg	**	08/26/15 12:51	08/28/15 22:28	1
2,4-Dimethylphenol ND 410 41 ug/Kg © 68/26/15 12:51 08/28/15 22:28 2,4-Dinitrophenol ND 2000 410 ug/Kg © 68/26/15 12:51 08/28/15 22:28 2,4-Dinitrotoluene ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 2,6-Dinitrotoluene ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 2-Chlorophenol ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 2-Methylnaphthalene ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 2-Nitroaniline ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 3-Nitroaniline ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 4-Nitroaniline ND 2000 410 ug/Kg © 08/26/15 12:51 08/28/15 22:28 4-Nitroaniline ND 2000 410 ug/Kg © 08/26/15 12:51 08/28/15 22:28	2,4,6-Trichlorophenol	ND		410	41	ug/Kg	*	08/26/15 12:51	08/28/15 22:28	1
2,4-Dinitrophenol ND 2000 410 ug/Kg 308/26/15 12:51 08/28/15 22:28 2,4-Dinitrotoluene ND 410 41 ug/Kg 308/26/15 12:51 08/28/15 22:28 2,6-Dinitrotoluene ND 410 41 ug/Kg 308/26/15 12:51 08/28/15 22:28 2-Chloronaphthalene ND 410 41 ug/Kg 308/26/15 12:51 08/28/15 22:28 2-Chlorophenol ND 410 41 ug/Kg 308/26/15 12:51 08/28/15 22:28 2-Methylnaphthalene ND 410 41 ug/Kg 308/26/15 12:51 08/28/15 22:28 2-Nitroanilline ND 410 41 ug/Kg 308/26/15 12:51 08/28/15 22:28 3,3'-Dichlorobenzidine ND 2000 410 ug/Kg 308/26/15 12:51 08/28/15 22:28 3,-Nitroaniline ND 410 41 ug/Kg 308/26/15 12:51 08/28/15 22:28 4-Nitroaniline ND 40 410 ug/Kg 08/26/15 12:51 08/28/15 22:28	2,4-Dichlorophenol	ND		410	41	ug/Kg	*	08/26/15 12:51	08/28/15 22:28	1
2,4-Dinitrotoluene ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 2,6-Dinitrotoluene ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 2-Chlorophenol ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 2-Metrylnaphthalene ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 2-Mitroaniline ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 3-Nitroaniline ND 400 410 ug/Kg © 08/26/15 12:51 08/28/15 22:28 3-Nitroaniline ND 400 410 ug/Kg © 08/26/15 12:51 08/28/15 22:28 4-Nitroaniline ND 2000 410 ug/Kg © 08/26/15 12:51 08/28/15 22:28 4-Nitroaniline ND 2000 410 ug/Kg © 08/26/15 12:51 08/28/15 22:28 4-Nitroaniline ND 410 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Acenaphthylene	2,4-Dimethylphenol	ND		410	41	ug/Kg	×	08/26/15 12:51	08/28/15 22:28	1
2,6-Dinitrotoluene ND 410 41 ug/Kg 08/26/15 12:51 08/28/15 22:28 2-Chlorophenol ND 410 41 ug/Kg 08/26/15 12:51 08/28/15 22:28 2-Chlorophenol ND 410 41 ug/Kg 08/26/15 12:51 08/28/15 22:28 2-Methylnaphthalene ND 410 41 ug/Kg 08/26/15 12:51 08/28/15 22:28 2-Methylnaphthalene ND 410 41 ug/Kg 08/26/15 12:51 08/28/15 22:28 2-Nitroaniline ND 410 41 ug/Kg 08/26/15 12:51 08/28/15 22:28 3,3'-Dichlorobenzidine ND 2000 410 ug/Kg 08/26/15 12:51 08/28/15 22:28 3,3'-Dichlorobenzidine ND 410 41 ug/Kg 08/26/15 12:51 08/28/15 22:28 4-Nitroaniline ND 410 41 ug/Kg 08/26/15 12:51 08/28/15 22:28 4-Nitroaniline ND 2000 410 ug/Kg 08/26/15 12:51 08/28/15 22:28 4-Nitroaniline ND 2000 410 ug/Kg 08/26/15 12:51 08/28/15 22:28 4-Nitroaniline ND 2000 410 ug/Kg 08/26/15 12:51 08/28/15 22:28 4-Nitroaniline ND 410 41 ug/Kg 08/26/15 12:51 08/28/15 2	2,4-Dinitrophenol	ND	*	2000	410	ug/Kg	*	08/26/15 12:51	08/28/15 22:28	1
2-Chloronaphthalene ND 410 41 ug/Kg 308/26/15 12:51 08/28/15 22:28 2-Chlorophenol ND 410 41 ug/Kg 308/26/15 12:51 08/28/15 22:28 2-Methylnaphthalene ND 410 41 ug/Kg 308/26/15 12:51 08/28/15 22:28 2-Methylnaphthalene ND 410 41 ug/Kg 308/26/15 12:51 08/28/15 22:28 3,3'-Dichlorobenzidine ND 2000 410 ug/Kg 308/26/15 12:51 08/28/15 22:28 3,3'-Dichlorobenzidine ND 410 41 ug/Kg 308/26/15 12:51 08/28/15 22:28 3-Nitroaniline ND 410 41 ug/Kg 308/26/15 12:51 08/28/15 22:28 4-Nitroaniline ND 400 410 ug/Kg 308/26/15 12:51 08/28/15 22:28 4-Nitroaniline ND 400 410 ug/Kg 408/26/15 12:51 08/28/15 22:28 4-Nitroaniline ND 410 41 ug/Kg 408/26/15 12:51 08/28/15 22:28 Acenaphthene ND 410 41 ug/Kg 408/26/15 12:51 08/28/15 22:28 Acenaphthylene ND 410 41 ug/Kg 408/26/15 12:51 08/28/15 22:28 Aniline ND 410 410 41 ug/Kg 408/26/15 12:51 08/28/15 22:28 Benzo[a]anthracene ND 410 410 41 ug/Kg 408/26/15 12:51 08/28/15 22:28 Benzo[a]inthracene ND 410 41 ug/Kg 408/26/15 12:51 08/28/15 22:28 Benzo[a]inthracene ND 410 41 ug/Kg 408/26/15 12:51 08/28/15 22:28 Benzo[a]inthracene ND 410 41 ug/Kg 408/26/15 12:51 08/28/15 22:28 Benzo[a]inthracene ND 410 41 ug/Kg 408/26/15 12:51 08/28/15 22:28 Benzo[a]inthracene ND 410 41 ug/Kg 408/26/15 12:51 08/28/15 22:28 Benzo[a]inthracene ND 410 41 ug/Kg 408/26/15 12:51 08/28/15 22:28 Benzo[a]inthracene ND 410 41 ug/Kg 408/26/15 12:51 08/28/15 22:28 Benzo[a]inthracene ND 410 41 ug/Kg 408/26/15 12:51 08/28/15 22:28 Benzo[b]fluoranthene ND 410 41 ug/Kg 408/26/15 12:51 08/28/15 22:28 Bis(2-chlorostryl)ether ND 410 41 ug/Kg 408/26/15 12:51 08/28/15 22:28 Bis(2-chlorostryl)ether ND 410 41 ug/Kg 408/26/15 12:51 08/28/15 22:28 Bis(2-chlorostryl)ether ND 410 41 ug/Kg 408/26/15 12:51 08/28/15 22:28 Bis(2-chlorostryl)ether ND 410 41 ug/Kg 408/26/15 12:51 08/28/15 22:28 Bis(2-chlorostryl)ether ND 410 41 ug/Kg 408/26/15 12:51 08/28/15 22:28 Bis(2-chlorostryl)ether ND 410 41 ug/Kg 408/26/15 12:51 08/28/15 22:28 Bis(2-chlorostryl)ether ND 410 41 ug/Kg 408/26/15 12:51 08/28/15 22:28 Dibenzyl phthalate ND 410 41 ug/Kg 408/26/15 12	2,4-Dinitrotoluene	ND		410	41	ug/Kg	*	08/26/15 12:51	08/28/15 22:28	1
2-Chlorophenol ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 2-Mitrynaphthalene ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 2-Nitroaniline ND 2000 410 ug/Kg © 08/26/15 12:51 08/28/15 22:28 3-Nitroaniline ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 3-Nitroaniline ND 410 410 ug/Kg © 08/26/15 12:51 08/28/15 22:28 4-Nitroaniline ND 2000 410 ug/Kg © 08/26/15 12:51 08/28/15 22:28 4-Nitroaniline ND 2000 410 ug/Kg © 08/26/15 12:51 08/28/15 22:28 4-Nitroaniline ND 2000 410 ug/Kg © 08/26/15 12:51 08/28/15 22:28 4-Nitroaniline ND 2000 410 ug/Kg © 08/26/15 12:51 08/28/15 22:28 4-Nitroaniline ND 2000 410 ug/Kg © 08/26/15 12:51 08/28/15 22:28 4-Nitroaniline ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Acenaphthene ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Acenaphthylene ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Aniline ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Anthracene ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Benzo[a]anthracene ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Benzo[a]pyrene ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Benzo[b]fluoranthene ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Benzo[k]fluoranthene ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Benzo[k]fluoranthene ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Bis(2-chlorosetry)ether ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Bis(2-chlylhexyl) phthalate ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Bis(2-chlylhexyl) phthalate ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Dibenzofuran ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Dibenzofuran ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Dibenzofuran ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Dibenzofuran ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Dibenzofuran ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Dibenzofuran ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Dibenzofuran ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Dibenzofuran ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Dibenzofuran ND 410 41 ug/Kg © 08/26/15 12:51 08	2,6-Dinitrotoluene	ND		410	41	ug/Kg	**	08/26/15 12:51	08/28/15 22:28	1
2-Methylnaphthalene ND 410 411 ug/Kg 08/26/15 12:51 08/28/15 22:28 3,3'-Dichlorobenzidine ND 2000 410 ug/Kg 08/26/15 12:51 08/28/15 22:28 3,3'-Dichlorobenzidine ND 410 411 ug/Kg 08/26/15 12:51 08/28/15 22:28 3,3'-Dichlorobenzidine ND 410 410 ug/Kg 08/26/15 12:51 08/28/15 22:28 4-Nitroaniline ND 2000 410 ug/Kg 08/26/15 12:51 08/28/15 22:28 4-Nitroaniline ND 2000 410 ug/Kg 08/26/15 12:51 08/28/15 22:28 4-Nitrophenol ND 2000 410 ug/Kg 08/26/15 12:51 08/28/15 22:28 4-Nitrophenol ND 410 410 ug/Kg 08/26/15 12:51 08/28/15 22:28 Acenaphthylene ND 410 410 ug/Kg 08/26/15 12:51 08/28/15 22:28 Acenaphthylene ND 410 410 ug/Kg 08/26/15 12:51 08/28/15 22:28 Anthracene ND 410 410 ug/Kg 08/26/15 12:51 08/28/15 22:28 Anthracene ND 410 410 ug/Kg 08/26/15 12:51 08/28/15 22:28 Benzo[a]pyrene ND 410 410 ug/Kg 08/26/15 12:51 08/28/15 22:28 Benzo[a]pyrene ND 410 410 ug/Kg 08/26/15 12:51 08/28/15 22:28 Benzo[a]pyrene ND 410 410 ug/Kg 08/26/15 12:51 08/28/15 22:28 Benzo[b]fluoranthene ND 410 410 ug/Kg 08/26/15 12:51 08/28/15 22:28 Benzo[b]fluoranthene ND 410 410 ug/Kg 08/26/15 12:51 08/28/15 22:28 Benzo[b]fluoranthene ND 410 410 ug/Kg 08/26/15 12:51 08/28/15 22:28 Benzo[b]fluoranthene ND 410 410 ug/Kg 08/26/15 12:51 08/28/15 22:28 Benzo[b]fluoranthene ND 410 410 ug/Kg 08/26/15 12:51 08/28/15 22:28 Benzo[b]fluoranthene ND 410 410 ug/Kg 08/26/15 12:51 08/28/15 22:28 Benzo[b]fluoranthene ND 410 410 ug/Kg 08/26/15 12:51 08/28/15 22:28 Benzo[b]fluoranthene ND 410 410 ug/Kg 08/26/15 12:51 08/28/15 22:28 Bis(2-chlorostry)beher ND 410 410 ug/Kg 08/26/15 12:51 08/28/15 22:28 Bis(2-chlyhexyl) phthalate ND 410 410 ug/Kg 08/26/15 12:51 08/28/15 22:28 Bis(2-chlyhexyl) phthalate ND 410 410 ug/Kg 08/26/15 12:51 08/28/15 22:28 Dibenzyl phthalate ND 410 410 ug/Kg 08/26/15 12:51 08/28/15 22:28 Dibenzyl phthalate ND 410 410 ug/Kg 08/26/15 12:51 08/28/15 22:28 Dibenzyl phthalate ND 410 410 ug/Kg 08/26/15 12:51 08/28/15 22:28 Dibenzyl phthalate ND 410 410 ug/Kg 08/26/15 12:51 08/28/15 22:28 Dibenzyl phthalate ND 410 410 410 ug/Kg 08/26/15 12:51 08/28/15 22:	2-Chloronaphthalene	ND		410	41	ug/Kg	**	08/26/15 12:51	08/28/15 22:28	1
2-Nitroaniline ND	2-Chlorophenol	ND		410	41	ug/Kg	*	08/26/15 12:51	08/28/15 22:28	1
3,3'-Dichlorobenzidine ND 2000 410 ug/Kg 308/26/15 12:51 08/28/15 22:28 3-Nitroaniline ND 410 410 411 ug/Kg 308/26/15 12:51 08/28/15 22:28 4-Nitroaniline ND 2000 410 ug/Kg 308/26/15 12:51 08/28/15 22:28 4-Nitrophenol ND 2000 410 ug/Kg 308/26/15 12:51 08/28/15 22:28 4-Nitrophenol ND 410 410 ug/Kg 308/26/15 12:51 08/28/15 22:28 4-Nitrophenol ND 410 410 ug/Kg 308/26/15 12:51 08/28/15 22:28 Acenaphthylene ND 410 410 411 ug/Kg 308/26/15 12:51 08/28/15 22:28 Aniline ND 410 410 410 ug/Kg 308/26/15 12:51 08/28/15 22:28 Aniline ND 410 410 410 ug/Kg 308/26/15 12:51 08/28/15 22:28 Aniline ND 410 410 ug/Kg 308/26/15 12:51 08/28/15 22:28 Benzo[a]antracene ND 410 410 ug/Kg 308/26/15 12:51 08/28/15 22:28 Benzo[b]fluoranthene ND 410 410 ug/Kg 308/26/15 12:51 08/28/15 22:28 Benzo[b]fluoranthene ND 410 410 ug/Kg 308/26/15 12:51 08/28/15 22:28 Benzo[k]fluoranthene ND 410 410 ug/Kg 308/26/15 12:51 08/28/15 22:28 Benzo[k]fluoranthene ND 410 410 ug/Kg 308/26/15 12:51 08/28/15 22:28 Benzo[k]fluoranthene ND 410 410 ug/Kg 308/26/15 12:51 08/28/15 22:28 Benzo[k]fluoranthene ND 410 410 ug/Kg 308/26/15 12:51 08/28/15 22:28 Benzo[k]fluoranthene ND 410 410 ug/Kg 308/26/15 12:51 08/28/15 22:28 Benzo[k]fluoranthene ND 410 410 ug/Kg 308/26/15 12:51 08/28/15 22:28 Benzo[k]fluoranthene ND 410 410 ug/Kg 308/26/15 12:51 08/28/15 22:28 Benzo[k]fluoranthene ND 410 410 ug/Kg 308/26/15 12:51 08/28/15 22:28 Benzo[k]fluoranthene ND 410 410 ug/Kg 308/26/15 12:51 08/28/15 22:28 Benzo[k]fluoranthene ND 410 410 ug/Kg 308/26/15 12:51 08/28/15 22:28 Benzo[k]fluoranthene ND 410 410 ug/Kg 308/26/15 12:51 08/28/15 22:28 Benzo[k]fluoranthene ND 410 410 ug/Kg 400 08/26/15 12:51 08/28/15 22:28 Benzo[k]fluoranthene ND 410 410 ug/Kg 400 08/26/15 12:51 08/28/15 22:28 Benzo[k]fluoranthene ND 410 410 ug/Kg 400 08/26/15 12:51 08/28/15 22:28 Benzo[k]fluoranthene ND 410 410 ug/Kg 400 08/26/15 12:51 08/28/15 22:28 Benzo[k]fluoranthene ND 410 410 ug/Kg 400 08/26/15 12:51 08/28/15 22:28 Benzo[k]fluoranthene ND 410 410 ug/Kg 400 08/26/15 12:51 08/28/15 22:28 Benzo[k]fluoranthe	2-Methylnaphthalene	ND		410	41	ug/Kg	*	08/26/15 12:51	08/28/15 22:28	1
3-Nitroaniline ND 410 41 ug/kg	2-Nitroaniline	ND		410	41	ug/Kg	鉄	08/26/15 12:51	08/28/15 22:28	1
4-Nitroaniline ND 2000 410 ug/kg 08/26/15 12:51 08/28/15 22:28 4-Nitrophenol ND 2000 410 ug/kg 08/26/15 12:51 08/28/15 22:28 Acenaphthene ND 410 41 ug/kg 08/26/15 12:51 08/28/15 22:28 Acenaphthylene ND 410 41 ug/kg 08/26/15 12:51 08/28/15 22:28 Aniline ND 410 41 ug/kg 08/26/15 12:51 08/28/15 22:28 Aniline ND 410 41 ug/kg 08/26/15 12:51 08/28/15 22:28 Aniline ND 410 41 ug/kg 08/26/15 12:51 08/28/15 22:28 Aniline ND 410 41 ug/kg 08/26/15 12:51 08/28/15 22:28 Benzo[a]anthracene ND 410 41 ug/kg 08/26/15 12:51 08/28/15 22:28 Benzo[b]fluoranthene ND 410 41 ug/kg 08/26/15 12:51 08/28/15 22:28 Benzo[k]fluoranthene ND 410 41 ug/kg 08/26/15 12:51 08/28/15 22:28 Bis(2-chloroisopropyl) ether ND 410 41 ug/kg 08/26/15 12:51 08/28/15 22:28 Bis(2-chloroethyl)ether ND 410 410 41 ug/kg 08/26/15 12:51 08/28/15 22:28 Bis(2-chloroethyl) phthalate ND 410 410 410 410 410 410 410 41	3,3'-Dichlorobenzidine	ND		2000	410	ug/Kg	335	08/26/15 12:51	08/28/15 22:28	1
4-Nitrophenol ND 2000 410 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Acenaphthene ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Acenaphthylene ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Aniline ND 410 75 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Anthracene ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Benzo[a]anthracene ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Benzo[b]fluoranthene ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Benzo[k]fluoranthene ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Benzo[k]fluoranthene ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 bis (2-chloroisopropyl) ether ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28	3-Nitroaniline	ND		410	41	ug/Kg	**	08/26/15 12:51	08/28/15 22:28	1
Acenaphthene ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Acenaphthylene ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Aniline ND 410 75 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Anthracene ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Benzo[a]anthracene ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Benzo[a]pyrene ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Benzo[b]fluoranthene ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Benzo[k]fluoranthene ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Benzo[k]fluoranthene ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Benzo[k]fluoranthene ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Bis (2-chloroethyl)ether ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 <	4-Nitroaniline	ND		2000	410	ug/Kg	**	08/26/15 12:51	08/28/15 22:28	1
Acenaphthylene ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Aniline ND 410 75 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Anthracene ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Benzo[a]anthracene ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Benzo[a]pyrene ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Benzo[b]fluoranthene ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Benzo[k]fluoranthene ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Benzo[k]fluoranthene ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Bis (2-chloroisopropyl) ether ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Bis (2-chloroethyl)ether ND 410 42 ug/Kg © 08/26/15 12:51 08/28/15 22:28 <td>4-Nitrophenol</td> <td>ND</td> <td></td> <td>2000</td> <td>410</td> <td>ug/Kg</td> <td>鉄</td> <td>08/26/15 12:51</td> <td>08/28/15 22:28</td> <td>1</td>	4-Nitrophenol	ND		2000	410	ug/Kg	鉄	08/26/15 12:51	08/28/15 22:28	1
Aniline ND 410 75 ug/Kg	Acenaphthene	ND		410	41	ug/Kg	⇔	08/26/15 12:51	08/28/15 22:28	1
Anthracene ND 410 41 ug/Kg \$\pi\$ 08/26/15 12:51 08/28/15 22:28 Benzo[a]anthracene ND 410 41 ug/Kg \$\pi\$ 08/26/15 12:51 08/28/15 22:28 Benzo[a]pyrene ND 410 41 ug/Kg \$\pi\$ 08/26/15 12:51 08/28/15 22:28 Benzo[b]fluoranthene ND 410 41 ug/Kg \$\pi\$ 08/26/15 12:51 08/28/15 22:28 Benzo[k]fluoranthene ND 410 41 ug/Kg \$\pi\$ 08/26/15 12:51 08/28/15 22:28 Benzo[k]fluoranthene ND 410 41 ug/Kg \$\pi\$ 08/26/15 12:51 08/28/15 22:28 Bis (2-chloroisopropyl) ether ND 410 41 ug/Kg \$\pi\$ 08/26/15 12:51 08/28/15 22:28 Bis (2-chloroethyl)ether ND 410 42 ug/Kg \$\pi\$ 08/26/15 12:51 08/28/15 22:28 Bis (2-ethylhexyl) phthalate ND 410 56 ug/Kg \$\pi\$ 08/26/15 12:51 08/28/15 22:28 Butyl benzyl phthalate ND 410 41 ug/Kg \$\pi\$ 08/26/15 12:51 08/28/15 22:28 Chrysene ND 410 41 ug/Kg \$\pi\$ 08/26/15 12:51 08/28/15 22:28 Dibenz (a,h)anthracene ND 410 41 ug/Kg \$\pi\$ 08/26/15 12:51 08/28/15 22:28 Dietnz (b) phthalate ND 410 41 ug/Kg \$\pi\$ 08/26/15 12:51 08/28/15 22:28 Dietnz (b) phthalate ND 410 41 ug/Kg \$\pi\$ 08/26/15 12:51 08/28/15 22:28 Dietnyl phthalate ND 410 41 ug/Kg \$\pi\$ 08/26/15 12:51 08/28/15 22:28 Dietnyl phthalate ND 410 41 ug/Kg \$\pi\$ 08/26/15 12:51 08/28/15 22:28 Dietnyl phthalate ND 410 41 ug/Kg \$\pi\$ 08/26/15 12:51 08/28/15 22:28 Dietnyl phthalate ND 410 41 ug/Kg \$\pi\$ 08/26/15 12:51 08/28/15 22:28 Dienthyl phthalate ND 410 41 ug/Kg \$\pi\$ 08/26/15 12:51 08/28/15 22:28 Dienthyl phthalate ND 410 41 ug/Kg \$\pi\$ 08/26/15 12:51 08/28/15 22:28 Dienthyl phthalate ND 410 41 ug/Kg \$\pi\$ 08/26/15 12:51 08/28/15 22:28	Acenaphthylene	ND		410	41	ug/Kg	ø	08/26/15 12:51	08/28/15 22:28	1
Benzo[a]anthracene	Aniline	ND		410	75	ug/Kg	Ø	08/26/15 12:51	08/28/15 22:28	1
Benzo[a]pyrene ND 410 41 ug/kg © 08/26/15 12:51 08/28/15 22:28 Benzo[b]fluoranthene ND 410 41 ug/kg © 08/26/15 12:51 08/28/15 22:28 Benzo[k]fluoranthene ND 410 41 ug/kg © 08/26/15 12:51 08/28/15 22:28 bis (2-chloroisopropyl) ether ND 410 41 ug/kg © 08/26/15 12:51 08/28/15 22:28 Bis (2-chloroethyl) ether ND 410 42 ug/kg © 08/26/15 12:51 08/28/15 22:28 Bis (2-chloroethyl) ether ND 410 42 ug/kg © 08/26/15 12:51 08/28/15 22:28 Bis (2-chloroethyl) ether ND 410 42 ug/kg © 08/26/15 12:51 08/28/15 22:28 Bis (2-chloroethyl) ether ND 410 42 ug/kg © 08/26/15 12:51 08/28/15 22:28 Bis (2-chloroethyl) ether ND 410 41 ug/kg © 08/26/15 12:51 08/28/15 22:28 Bis (2-chloroethyl) ether ND 410 41 ug/kg © 08/	Anthracene	ND		410	41	ug/Kg	数	08/26/15 12:51	08/28/15 22:28	1
Benzo[b]fluoranthene ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Benzo[k]fluoranthene ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 bis (2-chloroisopropyl) ether ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Bis(2-chloroethyl)ether ND 410 42 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Bis(2-ethylhexyl) phthalate ND 410 56 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Butyl benzyl phthalate ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Chrysene ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Dibenz(a,h)anthracene ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Dibenzofuran ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Dimethyl phthalate ND 410 41 ug/Kg © 08/26/15 12:51 08/2	Benzo[a]anthracene	ND		410	41	ug/Kg	*	08/26/15 12:51	08/28/15 22:28	1
Benzo[k]fluoranthene ND 410 41 ug/kg © 08/26/15 12:51 08/28/15 22:28 bis (2-chloroisopropyl) ether ND 410 41 ug/kg © 08/26/15 12:51 08/28/15 22:28 Bis(2-chloroethyl)ether ND 410 42 ug/kg © 08/26/15 12:51 08/28/15 22:28 Bis(2-ethylhexyl) phthalate ND 410 56 ug/kg © 08/26/15 12:51 08/28/15 22:28 Butyl benzyl phthalate ND 410 41 ug/kg © 08/26/15 12:51 08/28/15 22:28 Chrysene ND 410 41 ug/kg © 08/26/15 12:51 08/28/15 22:28 Dibenz(a,h)anthracene ND 410 41 ug/kg © 08/26/15 12:51 08/28/15 22:28 Dibenzofuran ND 410 41 ug/kg © 08/26/15 12:51 08/28/15 22:28 Diethyl phthalate ND 410 41 ug/kg © 08/26/15 12:51 08/28/15 22:28 Dimethyl phthalate ND 410 41 ug/kg © 08/26/15 12:51 08/28/15 22:28 Di-n-butyl phthalate ND 410 41 ug/kg © 08/26/15 12:51	Benzo[a]pyrene	ND		410	41	ug/Kg	**	08/26/15 12:51	08/28/15 22:28	1
bis (2-chloroisopropyl) ether ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Bis(2-chloroethyl)ether ND 410 42 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Bis(2-ethylhexyl) phthalate ND 410 56 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Butyl benzyl phthalate ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Chrysene ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Dibenz(a,h)anthracene ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Dibenzofuran ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Diethyl phthalate ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Dimethyl phthalate ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Di-n-butyl phthalate ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28	Benzo[b]fluoranthene	ND		410	41	ug/Kg	***	08/26/15 12:51	08/28/15 22:28	1
Bis(2-chloroethyl)ether ND 410 42 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Bis(2-ethylhexyl) phthalate ND 410 56 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Butyl benzyl phthalate ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Chrysene ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Dibenz(a,h)anthracene ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Dibenzofuran ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Diethyl phthalate ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Di-n-butyl phthalate ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Di-n-butyl phthalate ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28	Benzo[k]fluoranthene	ND		410	41	ug/Kg	*	08/26/15 12:51	08/28/15 22:28	1
Bis(2-ethylhexyl) phthalate ND 410 56 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Butyl benzyl phthalate ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Chrysene ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Dibenz(a,h)anthracene ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Dibenzofuran ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Diethyl phthalate ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Dimethyl phthalate ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Di-n-butyl phthalate ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28	bis (2-chloroisopropyl) ether	ND		410	41	ug/Kg	尊	08/26/15 12:51	08/28/15 22:28	1
Butyl benzyl phthalate ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Chrysene ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Dibenz(a,h)anthracene ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Dibenzofuran ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Diethyl phthalate ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Dimethyl phthalate ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Di-n-butyl phthalate ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Di-n-butyl phthalate ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28	Bis(2-chloroethyl)ether	ND		410	42	ug/Kg	\$	08/26/15 12:51	08/28/15 22:28	1
Chrysene ND 410 41 ug/Kg ☼ 08/26/15 12:51 08/28/15 22:28 Dibenz(a,h)anthracene ND 410 41 ug/Kg ☼ 08/26/15 12:51 08/28/15 22:28 Dibenzofuran ND 410 41 ug/Kg ☼ 08/26/15 12:51 08/28/15 22:28 Diethyl phthalate ND 410 41 ug/Kg ☼ 08/26/15 12:51 08/28/15 22:28 Dimethyl phthalate ND 410 41 ug/Kg ☼ 08/26/15 12:51 08/28/15 22:28 Di-n-butyl phthalate ND 410 41 ug/Kg ☼ 08/26/15 12:51 08/28/15 22:28	Bis(2-ethylhexyl) phthalate	ND		410	56	ug/Kg	**	08/26/15 12:51	08/28/15 22:28	1
Dibenz(a,h)anthracene ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Dibenzofuran ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Diethyl phthalate ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Dimethyl phthalate ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Di-n-butyl phthalate ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28	Butyl benzyl phthalate	ND		410	41	ug/Kg	**	08/26/15 12:51	08/28/15 22:28	1
Dibenzofuran ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Diethyl phthalate ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Dimethyl phthalate ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Di-n-butyl phthalate ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28	Chrysene	ND		410	41	ug/Kg	*	08/26/15 12:51	08/28/15 22:28	1
Diethyl phthalate ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Dimethyl phthalate ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28 Di-n-butyl phthalate ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28	Dibenz(a,h)anthracene	ND		410	41	ug/Kg	拉	08/26/15 12:51	08/28/15 22:28	1
Dimethyl phthalate ND 410 41 ug/Kg ☼ 08/26/15 12:51 08/28/15 22:28 Di-n-butyl phthalate ND 410 41 ug/Kg ☼ 08/26/15 12:51 08/28/15 22:28	Dibenzofuran	ND		410	41	ug/Kg	⇔	08/26/15 12:51	08/28/15 22:28	1
Di-n-butyl phthalate ND 410 41 ug/Kg © 08/26/15 12:51 08/28/15 22:28	Diethyl phthalate	ND		410	41	ug/Kg	*	08/26/15 12:51	08/28/15 22:28	1
	Dimethyl phthalate	ND		410	41	ug/Kg	*	08/26/15 12:51	08/28/15 22:28	1
	Di-n-butyl phthalate	ND		410	41	ug/Kg	D	08/26/15 12:51	08/28/15 22:28	1
Di-n-octyl prithalate ND 410 41 ug/Kg № 08/26/15 12:51 08/28/15 22:28	Di-n-octyl phthalate	ND		410	41	ug/Kg	**	08/26/15 12:51	08/28/15 22:28	1
Diphenylamine ND * 410 41 ug/Kg * 08/26/15 12:51 08/28/15 22:28	Diphenylamine	ND	*	410	41	ug/Kg	⇔	08/26/15 12:51	08/28/15 22:28	1
Fluoranthene ND 410 41 ug/Kg * 08/26/15 12:51 08/28/15 22:28	Fluoranthene	ND		410	41	ug/Kg	**	08/26/15 12:51	08/28/15 22:28	1

TestAmerica St. Louis

TestAmerica Job ID: 160-13469-1

Client: SEMS, Inc.

Terphenyl-d14 (Surr)

2,4,6-Tribromophenol (Surr)

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

Client Sample ID: 2015.08.17.C.3

Date Collected: 08/17/15 11:30 Date Received: 08/20/15 09:15 Lab Sample ID: 160-13469-7

08/26/15 12:51 08/28/15 22:28

08/26/15 12:51 08/28/15 22:28

Matrix: Solid Percent Solids: 79.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	ND		410	41	ug/Kg	*	08/26/15 12:51	08/28/15 22:28	1
Hexachlorobenzene	ND		410	41	ug/Kg	***	08/26/15 12:51	08/28/15 22:28	1
Hexachlorobutadiene	ND		410	41	ug/Kg	*	08/26/15 12:51	08/28/15 22:28	1
Hexachlorocyclopentadiene	ND		2000	410	ug/Kg	**	08/26/15 12:51	08/28/15 22:28	1
Hexachloroethane	ND		410	41	ug/Kg	**	08/26/15 12:51	08/28/15 22:28	1
Indeno[1,2,3-cd]pyrene	ND		410	41	ug/Kg	305	08/26/15 12:51	08/28/15 22:28	1
Isophorone	ND		410	41	ug/Kg	**	08/26/15 12:51	08/28/15 22:28	1
Naphthalene	ND		410	41	ug/Kg	335	08/26/15 12:51	08/28/15 22:28	1
Nitrobenzene	ND		410	41	ug/Kg	32	08/26/15 12:51	08/28/15 22:28	1
N-Nitrosodi-n-propylamine	ND		410	41	ug/Kg	**	08/26/15 12:51	08/28/15 22:28	1
Pentachlorophenol	ND		820	410	ug/Kg	鉄	08/26/15 12:51	08/28/15 22:28	1
Phenanthrene	ND		410	41	ug/Kg	鉄	08/26/15 12:51	08/28/15 22:28	1
Phenol	ND		410	41	ug/Kg	**	08/26/15 12:51	08/28/15 22:28	1
Pyrene	ND		410	41	ug/Kg	929:	08/26/15 12:51	08/28/15 22:28	1
N-Nitrosodiphenylamine	ND		410	41	ug/Kg	*	08/26/15 12:51	08/28/15 22:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	73	-	56-97				08/26/15 12:51	08/28/15 22:28	1
2-Fluorophenol (Surr)	68		53-97				08/26/15 12:51	08/28/15 22:28	1
Nitrobenzene-d5 (Surr)	68		55 - 98				08/26/15 12:51	08/28/15 22:28	1
Phenol-d5 (Surr)	71		54 - 101				08/26/15 12:51	08/28/15 22:28	1

58-123

46-111

69

Method: 8330B - Nitroaror Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trinitrobenzene	ND		250	27	ug/Kg		08/24/15 08:38	08/29/15 11:30	1
1,3-Dinitrobenzene	ND		250	43	ug/Kg		08/24/15 08:38	08/29/15 11:30	1
2,4,6-Trinitrotoluene	ND		250	35	ug/Kg		08/24/15 08:38	08/29/15 11:30	1
2,4-Dinitrotoluene	ND		250	37	ug/Kg		08/24/15 08:38	08/29/15 11:30	1
2,6-Dinitrotoluene	ND		250	63	ug/Kg		08/24/15 08:38	08/29/15 11:30	1
2-Amino-4,6-dinitrotoluene	ND		250	42	ug/Kg		08/24/15 08:38	08/29/15 11:30	1
4-Amino-2,6-dinitrotoluene	ND		250	92	ug/Kg		08/24/15 08:38	08/29/15 11:30	1
3-Nitrotoluene	ND		250	55	ug/Kg		08/24/15 08:38	08/29/15 11:30	1
Nitrobenzene	ND		250	43	ug/Kg		08/24/15 08:38	08/29/15 11:30	1
Nitroglycerin	ND		1200	270	ug/Kg		08/24/15 08:38	08/29/15 11:30	1
2-Nitrotoluene	ND		250	64	ug/Kg		08/24/15 08:38	08/29/15 11:30	1
4-Nitrotoluene	ND		250	80	ug/Kg		08/24/15 08:38	08/29/15 11:30	1
PETN	ND		2500	340	ug/Kg		08/24/15 08:38	08/29/15 11:30	1
RDX	ND		250	61	ug/Kg		08/24/15 08:38	08/29/15 11:30	1
HMX	ND		250	38	ug/Kg		08/24/15 08:38	08/29/15 11:30	1
Tetryl	ND		250	45	ug/Kg		08/24/15 08:38	08/29/15 11:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dinitrobenzene (Surr)	99		79 - 120				08/24/15 08:38	08/29/15 11:30	1

Client: SEMS, Inc.

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

Lab Sample ID: 160-13469-8 Matrix: Solid

Percent Solids: 81.2

Client Sample ID: 2015.08.17.C.5	
Date Collected: 08/17/15 12:00	
Date Received: 08/20/15 09:15	

Method: 8260C - Volatile O Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		4.2		ug/Kg	**	08/23/15 03:00	08/23/15 09:09	
1,1,1-Trichloroethane	ND		4.2		ug/Kg	*	08/23/15 03:00	08/23/15 09:09	
1,1,2,2-Tetrachloroethane	ND		4.2		ug/Kg	**	08/23/15 03:00	08/23/15 09:09	1
1,1,2-Trichloroethane	ND		4.2	0.48	ug/Kg	**	08/23/15 03:00	08/23/15 09:09	1
1,1-Dichloroethane	ND		4.2	0.33	ug/Kg	305	08/23/15 03:00	08/23/15 09:09	1
1,1-Dichloroethene	ND		4.2	1.4	ug/Kg	**	08/23/15 03:00	08/23/15 09:09	1
1,2-Dibromo-3-Chloropropane	ND	*	8.5	1.2	ug/Kg	**	08/23/15 03:00	08/23/15 09:09	1
1,2-Dichloroethane	ND		4.2	0.74	ug/Kg	尊	08/23/15 03:00	08/23/15 09:09	1
1,2-Dichloropropane	ND		4.2	0.32	ug/Kg	325	08/23/15 03:00	08/23/15 09:09	1
1,3-Dichloropropene, Total	ND		8.5	0.81	ug/Kg	*	08/23/15 03:00	08/23/15 09:09	1
2-Butanone (MEK)	ND		17	1.6	ug/Kg	**	08/23/15 03:00	08/23/15 09:09	1
4-Methyl-2-pentanone (MIBK)	ND		17	0.62	ug/Kg	群	08/23/15 03:00	08/23/15 09:09	1
Acetone	ND		17	5.5	ug/Kg	*	08/23/15 03:00	08/23/15 09:09	1
Benzene	ND		4.2	0.21	ug/Kg	*	08/23/15 03:00	08/23/15 09:09	1
Bromodichloromethane	ND		4.2	0.21	ug/Kg	**	08/23/15 03:00	08/23/15 09:09	1
Bromoform	ND	*	4.2	0.31	ug/Kg	*	08/23/15 03:00	08/23/15 09:09	1
Bromomethane	ND		8.5		ug/Kg	*	08/23/15 03:00	08/23/15 09:09	1
Carbon disulfide	ND		4.2		ug/Kg	*	08/23/15 03:00	08/23/15 09:09	1
Carbon tetrachloride	ND		4.2		ug/Kg	*		08/23/15 09:09	1
Chlorobenzene	ND		4.2		ug/Kg	*	08/23/15 03:00		1
Chlorodibromomethane	ND		4.2		ug/Kg	*	08/23/15 03:00		9
Chloroethane	ND		8.5		ug/Kg	*	08/23/15 03:00		1
Chloroform	ND		4.2		ug/Kg	*	08/23/15 03:00		1
Chloromethane	ND		8.5		ug/Kg	*	08/23/15 03:00		1
cis-1,2-Dichloroethene	ND		4.2	0.51	ug/Kg	*	08/23/15 03:00		1
Ethylbenzene	ND		4.2	0.25	ug/Kg	*	08/23/15 03:00		1
Hexachlorobutadiene	ND	*	4.2		ug/Kg	**	08/23/15 03:00		1
Isobutyl alcohol	ND		170			id:	08/23/15 03:00		1
Methyl tert-butyl ether	ND		4.2	0.41	ug/Kg	**	08/23/15 03:00		1 a
Methylene Chloride	ND		4.2	1.3	ug/Kg	₩	08/23/15 03:00	08/23/15 09:09	1
Styrene	ND		4.2	0.30	ug/Kg	p	08/23/15 03:00	08/23/15 09:09	4
Tetrachloroethene	ND		4.2	0.27	ug/Kg	*	08/23/15 03:00	08/23/15 09:09	4
Toluene	ND		4.2	0.59	ug/Kg	**	08/23/15 03:00	08/23/15 09:09	4
trans-1,2-Dichloroethene	ND		4.2	0.80	ug/Kg	**	08/23/15 03:00	08/23/15 09:09	4
Trichloroethene	ND		4.2		ug/Kg	*	08/23/15 03:00	08/23/15 09:09	1
Trichlorofluoromethane	ND		4.2		ug/Kg	**	08/23/15 03:00		
Vinyl chloride	ND		4.2		ug/Kg		08/23/15 03:00		1
Xylenes, Total	ND		8.5		ug/Kg		08/23/15 03:00		1
				700 7					
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	115		72 - 127				08/23/15 03:00	08/23/15 09:09	1
4-Bromofluorobenzene (Surr)	119	*	63 - 150				08/23/15 03:00	08/23/15 09:09	1
Dibromofluoromethane (Surr)	102		70 - 126				08/23/15 03:00	08/23/15 09:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	115		72 - 127	08/23/15 03:00	08/23/15 09:09	1
4-Bromofluorobenzene (Surr)	119	*	63 - 150	08/23/15 03:00	08/23/15 09:09	1
Dibromofluoromethane (Surr)	102		70 - 126	08/23/15 03:00	08/23/15 09:09	1
Toluene-d8 (Surr)	105		80 - 120	08/23/15 03:00	08/23/15 09:09	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND	7	400	41	ug/Kg	**	08/26/15 12:51	08/28/15 23:00	1
1,2,4,5-Tetrachlorobenzene	ND		400	41	ug/Kg	325	08/26/15 12:51	08/28/15 23:00	1
1,2,4-Trichlorobenzene	ND		400	41	ug/Kg	3,5	08/26/15 12:51	08/28/15 23:00	1

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

Client Sample ID: 2015.08.17.C.5

Date Collected: 08/17/15 12:00 Date Received: 08/20/15 09:15 TestAmerica Job ID: 160-13469-1

Lab Sample ID: 160-13469-8

Matrix: Solid Percent Solids: 81.2

Method: 8270D - Semivol: Analyte	Result Qualifier	ŔĹ	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND	400	41	ug/Kg	**	08/26/15 12:51	08/28/15 23:00	1
1,3-Dichlorobenzene	ND	400	41	ug/Kg	***	08/26/15 12:51	08/28/15 23:00	1
1,3-Dinitrobenzene	ND	400	41	ug/Kg	305	08/26/15 12:51	08/28/15 23:00	1
1,4-Dichlorobenzene	ND	400	41	ug/Kg	**	08/26/15 12:51	08/28/15 23:00	1
2,3,4,6-Tetrachlorophenol	ND	2000	41	ug/Kg	鉄	08/26/15 12:51	08/28/15 23:00	1
2,4,5-Trichlorophenol	ND	400	41	ug/Kg	900	08/26/15 12:51	08/28/15 23:00	1
2,4,6-Trichlorophenol	ND	400	41	ug/Kg	鉄	08/26/15 12:51	08/28/15 23:00	1
2,4-Dichlorophenol	ND	400	41	ug/Kg	335	08/26/15 12:51	08/28/15 23:00	1
2,4-Dimethylphenol	ND	400	41	ug/Kg	325	08/26/15 12:51	08/28/15 23:00	3
2,4-Dinitrophenol	ND *	2000	400	ug/Kg	尊	08/26/15 12:51	08/28/15 23:00	1
2,4-Dinitrotoluene	ND	400	41	ug/Kg	*	08/26/15 12:51	08/28/15 23:00	1
2,6-Dinitrotoluene	ND	400	41	ug/Kg	ఫ	08/26/15 12:51	08/28/15 23:00	1
2-Chloronaphthalene	ND	400	41	ug/Kg	135	08/26/15 12:51	08/28/15 23:00	1
2-Chlorophenol	ND	400	41	ug/Kg	鉄	08/26/15 12:51	08/28/15 23:00	1
2-Methylnaphthalene	ND	400	41	ug/Kg	335	08/26/15 12:51		
2-Nitroaniline	ND	400	41	ug/Kg	*	08/26/15 12:51		1
3,3'-Dichlorobenzidine	ND	2000	400	ug/Kg	**	08/26/15 12:51		1
3-Nitroaniline	ND	400	41	ug/Kg	*	08/26/15 12:51		4
4-Nitroaniline	ND	2000	400	ug/Kg	**	08/26/15 12:51		4
4-Nitrophenol	ND	2000	400		**	08/26/15 12:51		1
Acenaphthene	ND	400	41	ug/Kg	*	08/26/15 12:51		
Acenaphthylene	ND	400	41		**	08/26/15 12:51		0
Aniline	ND	400	73		**	08/26/15 12:51		4
Anthracene	ND	400	41	ug/Kg	*	08/26/15 12:51		4
Benzo[a]anthracene	ND	400	41	ug/Kg	**	08/26/15 12:51		
Benzo[a]pyrene	ND	400	41	ug/Kg	*	08/26/15 12:51		
Benzo[b]fluoranthene	ND	400	41	ug/Kg	**	08/26/15 12:51		
Benzo[k]fluoranthene	ND	400	41	ug/Kg	*	08/26/15 12:51		2
bis (2-chloroisopropyl) ether	ND	400	41	ug/Kg	**	08/26/15 12:51		
Bis(2-chloroethyl)ether	ND	400	41	ug/Kg	*	08/26/15 12:51	1) 이 경기가 이렇게 하는 기가 있다.	
Bis(2-ethylhexyl) phthalate	ND	400	55	100	**	08/26/15 12:51		
Butyl benzyl phthalate	ND	400	41		*	08/26/15 12:51		
	ND	400		ug/Kg	**			
Chrysene			41	ug/Kg	10.70	08/26/15 12:51		
Dibenz(a,h)anthracene Dibenzofuran	ND ND	400	41	ug/Kg	**	08/26/15 12:51 08/26/15 12:51		
	ND	400	41	ug/Kg	**	08/26/15 12:51		
Diethyl phthalate	ND	400		ug/Kg	34			3
Dimethyl phthalate	ND	400		ug/Kg	246	08/26/15 12:51		
Di-n-butyl phthalate	ND	400		ug/Kg	340		08/28/15 23:00	
Di-n-octyl phthalate	ND	400	41	ug/Kg	3,0	08/26/15 12:51		4
Diphenylamine	ND *	400	41	ug/Kg	3,2	08/26/15 12:51		
Fluoranthene	ND	400	41	ug/Kg	42	08/26/15 12:51		
Fluorene	ND	400	41	ug/Kg	**	08/26/15 12:51		
Hexachlorobenzene	ND	400	41	ug/Kg	47	08/26/15 12:51		
Hexachlorobutadiene	ND	400	41		33	08/26/15 12:51		
Hexachlorocyclopentadiene	ND	2000	400		Ø	08/26/15 12:51		
Hexachloroethane	ND	400	41		*	08/26/15 12:51		
Indeno[1,2,3-cd]pyrene	ND	400	41	ug/Kg	**	08/26/15 12:51		
Isophorone	ND	400	41	ug/Kg	*	08/26/15 12:51	08/28/15 23:00	1
Naphthalene	ND	400	41	ug/Kg	335	08/26/15 12:51	08/28/15 23:00	14

Client: SEMS, Inc.

Phenol-d5 (Surr)

Terphenyl-d14 (Surr)

2,4,6-Tribromophenol (Surr)

Project/Site: Camp Minden Baseline Project

Lab Sample ID: 160-13469-8

08/26/15 12:51 08/28/15 23:00

08/26/15 12:51 08/28/15 23:00

08/26/15 12:51 08/28/15 23:00

TestAmerica Job ID: 160-13469-1

Matrix: Solid

Percent Solids: 81.2

Client Sample ID: 2015.08.17.C.5

Date Collected: 08/17/15 12:00 Date Received: 08/20/15 09:15

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	ND		400	41	ug/Kg	**	08/26/15 12:51	08/28/15 23:00	1
N-Nitrosodi-n-propylamine	ND		400	41	ug/Kg	*	08/26/15 12:51	08/28/15 23:00	1
Pentachlorophenol	ND		810	400	ug/Kg	*	08/26/15 12:51	08/28/15 23:00	1
Phenanthrene	ND		400	41	ug/Kg	*	08/26/15 12:51	08/28/15 23:00	1
Phenol	ND		400	41	ug/Kg	*	08/26/15 12:51	08/28/15 23:00	1
Pyrene	ND		400	41	ug/Kg	*	08/26/15 12:51	08/28/15 23:00	1
N-Nitrosodiphenylamine	ND		400	41	ug/Kg	₩	08/26/15 12:51	08/28/15 23:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	79		56-97				08/26/15 12:51	08/28/15 23:00	1
2-Fluorophenol (Surr)	73		53 - 97				08/26/15 12:51	08/28/15 23:00	1
Nitrobenzene-d5 (Surr)	74		55 - 98				08/26/15 12:51	08/28/15 23:00	1

54-101

58-123

46-111

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

75

72

85

Method: 8330B - Nitroaro	matics and Nitra	amines (Hi	PLC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trinitrobenzene	ND		250	27	ug/Kg		08/24/15 08:38	08/29/15 11:53	1
1,3-Dinitrobenzene	ND		250	43	ug/Kg		08/24/15 08:38	08/29/15 11:53	1
2,4,6-Trinitrotoluene	ND		250	36	ug/Kg		08/24/15 08:38	08/29/15 11:53	1
2,4-Dinitrotoluene	ND		250	38	ug/Kg		08/24/15 08:38	08/29/15 11:53	1
2,6-Dinitrotoluene	ND		250	63	ug/Kg		08/24/15 08:38	08/29/15 11:53	1
2-Amino-4,6-dinitrotoluene	ND		250	43	ug/Kg		08/24/15 08:38	08/29/15 11:53	1
4-Amino-2,6-dinitrotoluene	ND		250	93	ug/Kg		08/24/15 08:38	08/29/15 11:53	1
3-Nitrotoluene	ND		250	55	ug/Kg		08/24/15 08:38	08/29/15 11:53	1
Nitrobenzene	ND		250	43	ug/Kg		08/24/15 08:38	08/29/15 11:53	1
Nitroglycerin	ND		1200	270	ug/Kg		08/24/15 08:38	08/29/15 11:53	1
2-Nitrotoluene	ND		250	65	ug/Kg		08/24/15 08:38	08/29/15 11:53	1
4-Nitrotoluene	ND		250	81	ug/Kg		08/24/15 08:38	08/29/15 11:53	1
PETN	ND		2500	340	ug/Kg		08/24/15 08:38	08/29/15 11:53	1
RDX	ND		250	62	ug/Kg		08/24/15 08:38	08/29/15 11:53	1
HMX	ND		250	39	ug/Kg		08/24/15 08:38	08/29/15 11:53	1
Tetryl	ND		250	46	ug/Kg		08/24/15 08:38	08/29/15 11:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dinitrobenzene (Surr)	104		79 - 120				08/24/15 08:38	08/29/15 11:53	1

Client Sample ID: 2015.08.17.E.5

Date Collected: 08/17/15 12:15 Date Received: 08/20/15 09:15

Lab Sample ID: 160-13469-9

Matrix: Solid Percent Solids: 82.7

Method: 8260C - Volatile	Organic Compounds by GC/MS
Analyte	Result Qualifier

Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	4.6	0.32	ug/Kg	_ ₩	08/27/15 15:48	08/27/15 19:54	1
1,1,1-Trichloroethane	ND	4.6	0.40	ug/Kg	**	08/27/15 15:48	08/27/15 19:54	1
1,1,2,2-Tetrachloroethane	ND	4.6	0.37	ug/Kg	数	08/27/15 15:48	08/27/15 19:54	1
1,1,2-Trichloroethane	ND	4.6	0.53	ug/Kg	**	08/27/15 15:48	08/27/15 19:54	1
1,1-Dichloroethane	ND	4.6	0.36	ug/Kg	**	08/27/15 15:48	08/27/15 19:54	1
1,1-Dichloroethene	ND	4.6	1.5	ug/Kg	325	08/27/15 15:48	08/27/15 19:54	1

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

Client Sample ID: 2015.08.17.E.5

Date Collected: 08/17/15 12:15 Date Received: 08/20/15 09:15 Lab Sample ID: 160-13469-9

Matrix: Solid Percent Solids: 82.7

Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		9.2	1.3	ug/Kg	*	08/27/15 15:48	08/27/15 19:54	1
1,2-Dichloroethane	ND		4.6	0.80	ug/Kg	**	08/27/15 15:48	08/27/15 19:54	1
1,2-Dichloropropane	ND		4.6	0.35	ug/Kg	**	08/27/15 15:48	08/27/15 19:54	1
1,3-Dichloropropene, Total	ND		9.2	0.88	ug/Kg	**	08/27/15 15:48	08/27/15 19:54	1
2-Butanone (MEK)	ND		18	1.8	ug/Kg	**	08/27/15 15:48	08/27/15 19:54	1
4-Methyl-2-pentanone (MIBK)	ND		18	0.67	ug/Kg	**	08/27/15 15:48	08/27/15 19:54	1
Acetone	14	J	18	6.0	ug/Kg	*	08/27/15 15:48	08/27/15 19:54	1
Benzene	ND		4.6	0.23	ug/Kg	⇔	08/27/15 15:48	08/27/15 19:54	1
Bromodichloromethane	ND		4.6	0.23	ug/Kg	*	08/27/15 15:48	08/27/15 19:54	1
Bromoform	ND		4.6	0.34	ug/Kg	*	08/27/15 15:48	08/27/15 19:54	1
Bromomethane	ND		9.2	1.0	ug/Kg	**	08/27/15 15:48	08/27/15 19:54	1
Carbon disulfide	ND		4.6	0.64	ug/Kg	**	08/27/15 15:48	08/27/15 19:54	1
Carbon tetrachloride	ND		4.6	0.47	ug/Kg	**	08/27/15 15:48	08/27/15 19:54	1
Chlorobenzene	ND		4.6	0.35	ug/Kg	125	08/27/15 15:48	08/27/15 19:54	1
Chlorodibromomethane	ND		4.6	0.38	ug/Kg	**	08/27/15 15:48	08/27/15 19:54	1
Chloroethane	ND		9.2	0.48	ug/Kg	**	08/27/15 15:48	08/27/15 19:54	1
Chloroform	ND		4.6	0.35	ug/Kg	**	08/27/15 15:48	08/27/15 19:54	1
Chloromethane	ND		9.2	0.60	ug/Kg	**	08/27/15 15:48	08/27/15 19:54	1
cis-1,2-Dichloroethene	ND		4.6	0.55	ug/Kg	*	08/27/15 15:48	08/27/15 19:54	1
Ethylbenzene	ND		4.6	0.28	ug/Kg	**	08/27/15 15:48	08/27/15 19:54	1
Hexachlorobutadiene	ND		4.6	0.63	ug/Kg	**	08/27/15 15:48	08/27/15 19:54	1
Isobutyl alcohol	ND		180	23	ug/Kg	335	08/27/15 15:48	08/27/15 19:54	1
Methyl tert-butyl ether	ND		4.6	0.44	ug/Kg	**	08/27/15 15:48	08/27/15 19:54	1
Methylene Chloride	ND		4.6	1.5	ug/Kg	30	08/27/15 15:48	08/27/15 19:54	1
Styrene	ND		4.6	0.32	ug/Kg	*	08/27/15 15:48	08/27/15 19:54	1
Tetrachloroethene	ND		4.6	0.30	ug/Kg	Ø	08/27/15 15:48	08/27/15 19:54	1
Toluene	ND		4.6	0.65	ug/Kg	ø	08/27/15 15:48	08/27/15 19:54	1
trans-1,2-Dichloroethene	ND		4.6	0.87	ug/Kg	125	08/27/15 15:48	08/27/15 19:54	
Trichloroethene	ND		4.6	0.36	ug/Kg	尊	08/27/15 15:48	08/27/15 19:54	1
Trichlorofluoromethane	ND		4.6	0.46	ug/Kg	ø	08/27/15 15:48	08/27/15 19:54	1
Vinyl chloride	ND		4.6	0.40	ug/Kg	*	08/27/15 15:48	08/27/15 19:54	1
Xylenes, Total	ND		9.2	0.79	ug/Kg	*	08/27/15 15:48	08/27/15 19:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		72 - 127				08/27/15 15:48	08/27/15 19:54	1
4-Bromofluorobenzene (Surr)	106		63 - 150				08/27/15 15:48	08/27/15 19:54	1
Dibromofluoromethane (Surr)	95		70 - 126				08/27/15 15:48	08/27/15 19:54	1
Toluene-d8 (Surr)	104		80 - 120				08/27/15 15:48	08/27/15 19:54	1

BR-AL de l	DOTOD	Complement and the	Comments C		(OOMBO)
Method: 1	82/00 -	Semivolatile	Organic C	ompounds	S (Cats/NS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		400	40	ug/Kg	100	08/26/15 12:51	08/28/15 23:33	1
1,2,4,5-Tetrachlorobenzene	ND		400	40	ug/Kg	**	08/26/15 12:51	08/28/15 23:33	1
1,2,4-Trichlorobenzene	ND		400	40	ug/Kg	Ø.	08/26/15 12:51	08/28/15 23:33	1
1,2-Dichlorobenzene	ND		400	40	ug/Kg	**	08/26/15 12:51	08/28/15 23:33	7
1,3-Dichlorobenzene	ND		400	40	ug/Kg	Ċ.	08/26/15 12:51	08/28/15 23:33	1
1,3-Dinitrobenzene	ND		400	40	ug/Kg	ø	08/26/15 12:51	08/28/15 23:33	1
1,4-Dichlorobenzene	ND		400	40	ug/Kg	¢	08/26/15 12:51	08/28/15 23:33	1
2,3,4,6-Tetrachlorophenol	ND		1900	40	ug/Kg	ø	08/26/15 12:51	08/28/15 23:33	1
2,4,5-Trichlorophenol	ND		400	40	ug/Kg	308	08/26/15 12:51	08/28/15 23:33	1

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

Lab Sample ID: 160-13469-9

TestAmerica Job ID: 160-13469-1

Matrix: Solid Percent Solids: 82.7

Client Sample ID: 2015.08.17.E.5

Date Collected: 08/17/15 12:15 Date Received: 08/20/15 09:15

Method: 8270D - Semivolatil Analyte		Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	ND		400	40	ug/Kg	7	08/26/15 12:51	08/28/15 23:33	39.5
2,4-Dichlorophenol	ND		400	40		**	08/26/15 12:51	08/28/15 23:33	
2,4-Dimethylphenol	ND		400	40	7 T 1 A T 1	*	08/26/15 12:51	08/28/15 23:33	
2,4-Dinitrophenol	ND	*	1900	400		**	08/26/15 12:51	08/28/15 23:33	
2,4-Dinitrotoluene	ND		400	40	ug/Kg	*	08/26/15 12:51	08/28/15 23:33	
2,6-Dinitrotoluene	ND		400	40	ug/Kg	*	08/26/15 12:51	08/28/15 23:33	
2-Chloronaphthalene	ND		400	40	ug/Kg	*	08/26/15 12:51	08/28/15 23:33	
2-Chlorophenol	ND		400	40	ug/Kg	*	08/26/15 12:51	08/28/15 23:33	
2-Methylnaphthalene	ND		400	40	ug/Kg	*	08/26/15 12:51	08/28/15 23:33	
2-Nitroaniline	ND		400	40	ug/Kg	*	08/26/15 12:51	08/28/15 23:33	
3,3'-Dichlorobenzidine	ND		1900	400	ug/Kg	*	08/26/15 12:51	08/28/15 23:33	
3-Nitroaniline	ND		400	40	ug/Kg	*	08/26/15 12:51	08/28/15 23:33	1
4-Nitroaniline	ND		1900	400	ug/Kg	*	08/26/15 12:51	08/28/15 23:33	
4-Nitrophenol	ND		1900	400	ug/Kg	*	08/26/15 12:51	08/28/15 23:33	
Acenaphthene	ND		400	40	ug/Kg	*	08/26/15 12:51	08/28/15 23:33	
Acenaphthylene	ND		400	40	ug/Kg	*	08/26/15 12:51	08/28/15 23:33	
Aniline	ND		400	72	1000	**	08/26/15 12:51	08/28/15 23:33	
Anthracene	ND		400	40	ug/Kg	*	08/26/15 12:51	08/28/15 23:33	
Benzo[a]anthracene	ND		400	40	ug/Kg	*	08/26/15 12:51	08/28/15 23:33	4
Benzo[a]pyrene	ND		400	40	ug/Kg	*	08/26/15 12:51	08/28/15 23:33	100
Benzo[b]fluoranthene	ND		400	40	ug/Kg	**	08/26/15 12:51	08/28/15 23:33	
Benzo[k]fluoranthene	ND		400	40	ug/Kg	*	08/26/15 12:51	08/28/15 23:33	1
bis (2-chloroisopropyl) ether	ND		400	40	ug/Kg	**	08/26/15 12:51	08/28/15 23:33	
Bis(2-chloroethyl)ether	ND		400	40	ug/Kg	*	08/26/15 12:51	08/28/15 23:33	
Bis(2-ethylhexyl) phthalate	ND		400	55	ug/Kg	**	08/26/15 12:51	08/28/15 23:33	
Butyl benzyl phthalate	ND		400	40	ug/Kg	*	08/26/15 12:51	08/28/15 23:33	
Chrysene	ND		400	40	ug/Kg	**	08/26/15 12:51	08/28/15 23:33	
Dibenz(a,h)anthracene	ND		400	40	ug/Kg	*	08/26/15 12:51	08/28/15 23:33	
Dibenzofuran	ND		400	40	ug/Kg	**	08/26/15 12:51	08/28/15 23:33	
Diethyl phthalate	ND		400	40	ug/Kg	*	08/26/15 12:51	08/28/15 23:33	
Dimethyl phthalate	ND		400	40	ug/Kg	**	08/26/15 12:51	08/28/15 23:33	
Di-n-butyl phthalate	ND		400	40	ug/Kg	*	08/26/15 12:51	08/28/15 23:33	4
Di-n-octyl phthalate	ND		400	40	ug/Kg	**	08/26/15 12:51	08/28/15 23:33	1
Diphenylamine	ND		400	40	ug/Kg	*	08/26/15 12:51	08/28/15 23:33	1
Fluoranthene	ND		400	40	ug/Kg	**	08/26/15 12:51	08/28/15 23:33	1
Fluorene	ND		400	40	ug/Kg	*	08/26/15 12:51	08/28/15 23:33	4
Hexachlorobenzene	ND		400		ug/Kg	**	08/26/15 12:51	08/28/15 23:33	1
Hexachlorobutadiene	ND		400	40	ug/Kg	*	08/26/15 12:51	08/28/15 23:33	1
Hexachlorocyclopentadiene	ND		1900	400	ug/Kg	**	08/26/15 12:51	08/28/15 23:33	4
Hexachloroethane	ND		400		ug/Kg	**	08/26/15 12:51	08/28/15 23:33	1
ndeno[1,2,3-cd]pyrene	ND		400		ug/Kg	*	08/26/15 12:51	08/28/15 23:33	1
sophorone	ND		400		ug/Kg	*	08/26/15 12:51	08/28/15 23:33	1 2
Naphthalene	ND		400	40	ug/Kg	*	08/26/15 12:51	08/28/15 23:33	1
Vitrobenzene	ND		400		ug/Kg	*	08/26/15 12:51	08/28/15 23:33	1
N-Nitrosodi-n-propylamine	ND		400		ug/Kg	*	08/26/15 12:51		
Pentachlorophenol	ND		800		ug/Kg ug/Kg	*		08/28/15 23:33 08/28/15 23:33	
Phenanthrene	ND		400			*			1
Phenol	ND		400		ug/Kg	Sin		08/28/15 23:33	1
Pyrene	ND		400		ug/Kg ug/Kg	**		08/28/15 23:33 08/28/15 23:33	1

Client: SEMS, Inc.

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

Client Sample ID: 2015.08.17.E.5

Date Collected: 08/17/15 12:15 Date Received: 08/20/15 09:15 Lab Sample ID: 160-13469-9

Matrix: Solid

Percent Solids: 82.7

Method: 8270D - Semivolatile	Organic Compounds	(GC/MS) (Cor	ntinued)
Analyte	Result Qualifier	RL	MDL Unit

Allalyte	Result	Qualifier	KL	MUL	Unit	U	Prepared	Analyzed	DILLAC
N-Nitrosodiphenylamine	ND		400	40	ug/Kg	**	08/26/15 12:51	08/28/15 23:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	73		56 - 97				08/26/15 12:51	08/28/15 23:33	1
2-Fluorophenol (Surr)	67		53 - 97				08/26/15 12:51	08/28/15 23:33	1
Nitrobenzene-d5 (Surr)	66		55 - 98				08/26/15 12:51	08/28/15 23:33	1
Phenol-d5 (Surr)	69		54 - 101				08/26/15 12:51	08/28/15 23:33	1
Terphenyl-d14 (Surr)	68		58 - 123				08/26/15 12:51	08/28/15 23:33	1
2,4,6-Tribromophenol (Surr)	79		46-111				08/26/15 12:51	08/28/15 23:33	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trinitrobenzene	ND		240	26	ug/Kg		08/24/15 08:38	08/29/15 12:16	1
1,3-Dinitrobenzene	ND		240	42	ug/Kg		08/24/15 08:38	08/29/15 12:16	1
2,4,6-Trinitrotoluene	ND		240	34	ug/Kg		08/24/15 08:38	08/29/15 12:16	1
2,4-Dinitrotoluene	ND		240	36	ug/Kg		08/24/15 08:38	08/29/15 12:16	1
2,6-Dinitrotoluene	ND		240	61	ug/Kg		08/24/15 08:38	08/29/15 12:16	1
2-Amino-4,6-dinitrotoluene	ND		240	41	ug/Kg		08/24/15 08:38	08/29/15 12:16	1
4-Amino-2,6-dinitrotoluene	ND		240	90	ug/Kg		08/24/15 08:38	08/29/15 12:16	1
3-Nitrotoluene	ND		240	54	ug/Kg		08/24/15 08:38	08/29/15 12:16	1
Nitrobenzene	ND		240	42	ug/Kg		08/24/15 08:38	08/29/15 12:16	1
Nitroglycerin	ND		1200	260	ug/Kg		08/24/15 08:38	08/29/15 12:16	1
2-Nitrotoluene	ND		240	63	ug/Kg		08/24/15 08:38	08/29/15 12:16	1
4-Nitrotoluene	ND		240	78	ug/Kg		08/24/15 08:38	08/29/15 12:16	1
PETN	ND		2400	330	ug/Kg		08/24/15 08:38	08/29/15 12:16	1
RDX	ND		240	60	ug/Kg		08/24/15 08:38	08/29/15 12:16	1
HMX	ND		240	37	ug/Kg		08/24/15 08:38	08/29/15 12:16	1
Tetryl	ND		240	44	ug/Kg		08/24/15 08:38	08/29/15 12:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dinitrobenzene (Surr)	104		79 - 120				08/24/15 08:38	08/29/15 12:16	1

Client Sample ID: 2015.08.17.E.3

Date Collected: 08/17/15 12:30 Date Received: 08/20/15 09:15

Lab Sample ID: 160-13469-10

Matrix: Solid Percent Solids: 78.0

Method: 8260C - Volatile Orga Analyte		unds by GC/ Qualifier	MS RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		4.8	0.34	ug/Kg	7	08/23/15 03:00	08/23/15 09:34	1
1,1,1-Trichloroethane	ND		4.8	0.41	ug/Kg	**	08/23/15 03:00	08/23/15 09:34	- 1
1,1,2,2-Tetrachloroethane	ND	*	4.8	0.38	ug/Kg	**	08/23/15 03:00	08/23/15 09:34	1
1,1,2-Trichloroethane	ND		4.8	0.55	ug/Kg	**	08/23/15 03:00	08/23/15 09:34	1
1,1-Dichloroethane	ND		4.8	0.38	ug/Kg	Þ	08/23/15 03:00	08/23/15 09:34	1
1,1-Dichloroethene	ND		4.8	1.5	ug/Kg	**	08/23/15 03:00	08/23/15 09:34	1
1,2-Dibromo-3-Chloropropane	ND	*	9.6	1.4	ug/Kg	尊	08/23/15 03:00	08/23/15 09:34	1
1,2-Dichloroethane	ND		4.8	0.84	ug/Kg	**	08/23/15 03:00	08/23/15 09:34	1
1,2-Dichloropropane	ND		4.8	0.37	ug/Kg	**	08/23/15 03:00	08/23/15 09:34	1
1,3-Dichloropropene, Total	ND		9.6	0.91	ug/Kg	**	08/23/15 03:00	08/23/15 09:34	1
2-Butanone (MEK)	ND		19	1.8	ug/Kg	₽	08/23/15 03:00	08/23/15 09:34	1
4-Methyl-2-pentanone (MIBK)	ND		19	0.70	ug/Kg	袋	08/23/15 03:00	08/23/15 09:34	1

Client: SEMS, Inc.

Project/Site: Camp Minden Baseline Project

Client Sample ID: 2015.08.17.E.3 Lab Sample ID: 160-13469-10

Date Collected: 08/17/15 12:30 Matrix: Solid Date Received: 08/20/15 09:15 Percent Solids: 78.0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		19	6.2	ug/Kg	*	08/23/15 03:00	08/23/15 09:34	1
Benzene	ND		4.8	0.24	ug/Kg	*	08/23/15 03:00	08/23/15 09:34	1
Bromodichloromethane	ND		4.8	0.24	ug/Kg	*	08/23/15 03:00	08/23/15 09:34	1
Bromoform	ND		4.8	0.36	ug/Kg	袋	08/23/15 03:00	08/23/15 09:34	1
Bromomethane	ND		9.6	1.1	ug/Kg	**	08/23/15 03:00	08/23/15 09:34	1
Carbon disulfide	ND		4.8	0.66	ug/Kg	数	08/23/15 03:00	08/23/15 09:34	1
Carbon tetrachloride	ND		4.8	0.49	ug/Kg	**	08/23/15 03:00	08/23/15 09:34	1
Chlorobenzene	ND		4.8	0.37	ug/Kg	**	08/23/15 03:00	08/23/15 09:34	1
Chlorodibromomethane	ND		4.8	0.39	ug/Kg	**	08/23/15 03:00	08/23/15 09:34	1
Chloroethane	ND		9.6	0.50	ug/Kg	**	08/23/15 03:00	08/23/15 09:34	1
Chloroform	ND		4.8	0.37	ug/Kg	*	08/23/15 03:00	08/23/15 09:34	1
Chloromethane	ND		9.6	0.63	ug/Kg	**	08/23/15 03:00	08/23/15 09:34	1
cis-1,2-Dichloroethene	ND		4.8	0.58	ug/Kg	*	08/23/15 03:00	08/23/15 09:34	1
Ethylbenzene	ND		4.8	0.29	ug/Kg	**	08/23/15 03:00	08/23/15 09:34	1
Hexachlorobutadiene	ND	*	4.8	0.65	ug/Kg	*	08/23/15 03:00	08/23/15 09:34	1
Isobutyl alcohol	ND		190	24	ug/Kg	*	08/23/15 03:00	08/23/15 09:34	1
Methyl tert-butyl ether	ND		4.8	0.46	ug/Kg	**	08/23/15 03:00	08/23/15 09:34	1
Methylene Chloride	ND		4.8	1.5	ug/Kg	禁	08/23/15 03:00	08/23/15 09:34	1
Styrene	ND		4.8	0.34	ug/Kg	*	08/23/15 03:00	08/23/15 09:34	1
Tetrachloroethene	ND		4.8	0.31	ug/Kg	禁	08/23/15 03:00	08/23/15 09:34	1
Toluene	ND		4.8	0.67	ug/Kg	*	08/23/15 03:00	08/23/15 09:34	-1
trans-1,2-Dichloroethene	ND		4.8	0.90	ug/Kg	*	08/23/15 03:00	08/23/15 09:34	1
Trichloroethene	ND		4.8	0.38	ug/Kg	*	08/23/15 03:00	08/23/15 09:34	1
Trichlorofluoromethane	ND		4.8	0.48	ug/Kg	**	08/23/15 03:00	08/23/15 09:34	1
Vinyl chloride	ND		4.8	0.41	ug/Kg	*	08/23/15 03:00	08/23/15 09:34	1
Xylenes, Total	0.86	J	9.6	0.82	ug/Kg	鉄	08/23/15 03:00	08/23/15 09:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		72 - 127				08/23/15 03:00	08/23/15 09:34	1
4-Bromofluorobenzene (Surr)	133	*	63 - 150				08/23/15 03:00	08/23/15 09:34	1
Dibromofluoromethane (Surr)	111		70 126				08/22/45 02:00	09/22/45 00:24	- 4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114	Cauchan	72 - 127	08/23/15 03:00	08/23/15 09:34	1
4-Bromofluorobenzene (Surr)	133	*	63 - 150	08/23/15 03:00	08/23/15 09:34	1
Dibromofluoromethane (Surr)	111		70 - 126	08/23/15 03:00	08/23/15 09:34	1
Toluene-d8 (Surr)	115		80 - 120	08/23/15 03:00	08/23/15 09:34	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac 1,1'-Biphenyl ND 420 43 ug/Kg 08/26/15 12:51 08/29/15 00:06 1,2,4,5-Tetrachlorobenzene ND 420 43 ug/Kg 08/26/15 12:51 08/29/15 00:06 ND 420 1,2,4-Trichlorobenzene 43 ug/Kg 08/26/15 12:51 08/29/15 00:06 1,2-Dichlorobenzene ND 420 43 ug/Kg 08/26/15 12:51 08/29/15 00:06 1,3-Dichlorobenzene ND 420 43 ug/Kg 08/26/15 12:51 08/29/15 00:06 1,3-Dinitrobenzene ND 420 43 ug/Kg 08/26/15 12:51 08/29/15 00:06 1,4-Dichlorobenzene ND 420 43 ug/Kg 08/26/15 12:51 08/29/15 00:06 2,3,4,6-Tetrachlorophenol ND 2000 43 ug/Kg 08/26/15 12:51 08/29/15 00:06 2,4,5-Trichlorophenol ND 420 43 ug/Kg 08/26/15 12:51 08/29/15 00:06 2,4,6-Trichlorophenol ND 420 ug/Kg 08/26/15 12:51 08/29/15 00:06 ug/Kg 2,4-Dichlorophenol ND 420 43 08/26/15 12:51 08/29/15 00:06 2,4-Dimethylphenol ND 420 43 ug/Kg 08/26/15 12:51 08/29/15 00:06 2,4-Dinitrophenol ND 2000 420 ug/Kg 08/26/15 12:51 08/29/15 00:06 1 2,4-Dinitrotoluene ND 420 43 ug/Kg 08/26/15 12:51 08/29/15 00:06 1 2,6-Dinitrotoluene ND 420

TestAmerica St. Louis

08/29/15 00:06

08/26/15 12:51

TestAmerica Job ID: 160-13469-1

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43 ug/Kg

1

Client: SEMS, Inc

Phenol-d5 (Surr)

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

Client Sample ID: 2015.08.17.E.3

Date Collected: 08/17/15 12:30 Date Received: 08/20/15 09:15 Lab Sample ID: 160-13469-10

Matrix: Solid

Percent Solids: 78.0

Analyte	Result Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
2-Chloronaphthalene	ND	420		ug/Kg	Ď	08/26/15 12:51	08/29/15 00:06	1
2-Chlorophenol	ND	420		ug/Kg	Ø	08/26/15 12:51	08/29/15 00:06	1
2-Methylnaphthalene	ND	420	43	ug/Kg	**	08/26/15 12:51	08/29/15 00:06	1
2-Nitroaniline	ND	420		ug/Kg	**	08/26/15 12:51	08/29/15 00:06	1
3,3'-Dichlorobenzidine	ND	2000		ug/Kg	**	08/26/15 12:51	08/29/15 00:06	1
3-Nitroaniline	ND	420	43	ug/Kg	**	08/26/15 12:51	08/29/15 00:06	1
4-Nitroaniline	ND	2000	420	ug/Kg	**	08/26/15 12:51	08/29/15 00:06	1
4-Nitrophenol	ND	2000	420	ug/Kg	***	08/26/15 12:51	08/29/15 00:06	1
Acenaphthene	ND	420	43	ug/Kg	***	08/26/15 12:51	08/29/15 00:06	1
Acenaphthylene	ND	420	43	ug/Kg	***	08/26/15 12:51	08/29/15 00:06	1
Aniline	ND	420	77	ug/Kg	33	08/26/15 12:51	08/29/15 00:06	1
Anthracene	ND	420	43	ug/Kg	**	08/26/15 12:51	08/29/15 00:06	1
Benzo[a]anthracene	ND	420	43	ug/Kg	**	08/26/15 12:51	08/29/15 00:06	1
Benzo[a]pyrene	ND	420	43	ug/Kg	**	08/26/15 12:51	08/29/15 00:06	11
Benzo[b]fluoranthene	ND	420	43	ug/Kg	贷	08/26/15 12:51	08/29/15 00:06	1
Benzo[k]fluoranthene	ND	420	43	ug/Kg	袋	08/26/15 12:51	08/29/15 00:06	1
ois (2-chloroisopropyl) ether	ND	420	43	ug/Kg	***	08/26/15 12:51	08/29/15 00:06	1
Bis(2-chloroethyl)ether	ND	420	43	ug/Kg	**	08/26/15 12:51	08/29/15 00:06	1
Bis(2-ethylhexyl) phthalate	ND	420	58	ug/Kg	**	08/26/15 12:51	08/29/15 00:06	1
Butyl benzyl phthalate	ND	420	43	ug/Kg	**	08/26/15 12:51	08/29/15 00:06	1
Chrysene	ND	420	43		益	08/26/15 12:51	08/29/15 00:06	1
Dibenz(a,h)anthracene	ND	420	43	ug/Kg	**	08/26/15 12:51	08/29/15 00:06	4
Dibenzofuran	ND	420	43		拉	08/26/15 12:51	08/29/15 00:06	4
Diethyl phthalate	ND	420	43		**	08/26/15 12:51	08/29/15 00:06	1
Dimethyl phthalate	ND	420	43	10 10 10 10	**	08/26/15 12:51	08/29/15 00:06	1
Di-n-butyl phthalate	ND	420	43		**	08/26/15 12:51	08/29/15 00:06	1
Di-n-octyl phthalate	ND	420	43		**	08/26/15 12:51	08/29/15 00:06	4
Diphenylamine	ND *	420	43		101	08/26/15 12:51	08/29/15 00:06	1
Fluoranthene	ND	420	43	1000	**	08/26/15 12:51	08/29/15 00:06	1
Fluorene	ND	420	43		*		08/29/15 00:06	1
Hexachlorobenzene	ND	420	43		*	08/26/15 12:51	08/29/15 00:06	1
Hexachlorobutadiene	ND	420	43		**	08/26/15 12:51		1
Hexachlorocyclopentadiene	ND	2000	420	The state of the s	**	08/26/15 12:51		1
Hexachloroethane	ND	420	43		12		08/29/15 00:06	1
Indeno[1,2,3-cd]pyrene	ND	420		ug/Kg	*		08/29/15 00:06	1
Isophorone	ND	420		ug/Kg	**		08/29/15 00:06	
Naphthalene	ND	420		ug/Kg	•		08/29/15 00:06	
Nitrobenzene	ND	420		ug/Kg	*	08/26/15 12:51		
N-Nitrosodi-n-propylamine	ND	420		ug/Kg	*	08/26/15 12:51		1 2
Pentachlorophenol	ND	850		ug/Kg		08/26/15 12:51	08/29/15 00:06	4
Phenanthrene	ND	420		ug/Kg	*	08/26/15 12:51	08/29/15 00:06	
Phenol	ND	420		ug/Kg	*	08/26/15 12:51	08/29/15 00:06	
Pyrene	ND	420		ug/Kg	25	08/26/15 12:51	08/29/15 00:06	
N-Nitrosodiphenylamine	ND	420		ug/Kg	*	08/26/15 12:51	08/29/15 00:06	1
Surrogate	%Recovery Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	70	56 - 97				08/26/15 12:51	08/29/15 00:06	-
2-Fluorophenol (Surr)	66	53 - 97				08/26/15 12:51	08/29/15 00:06	1
Nitrobenzene-d5 (Surr)	66	55 - 98				08/26/15 12:51		1
	77	26 76.7				COTTANDE	12 12 17 17 17 17	

TestAmerica St. Louis

08/26/15 12:51 08/29/15 00:06

54-101

69

Client: SEMS, Inc.

Project/Site: Camp Minden Baseline Project

Lab Sample ID: 160-13469-10

TestAmerica Job ID: 160-13469-1

Client Sample ID: 2015.08.17.E.3 Date Collected: 08/17/15 12:30

Matrix: Solid

Date Received: 08/20/15 09:15

Percent Solids: 78.0

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

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14 (Surr)	67	58 - 123	08/26/15 12:51	08/29/15 00:06	1
2,4,6-Tribromophenol (Surr)	79	46 - 111	08/26/15 12:51	08/29/15 00:06	1

Method: 8330B - Nitroaron Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trinitrobenzene	ND		250	27	ug/Kg		08/24/15 08:38	08/29/15 12:38	1
1,3-Dinitrobenzene	ND		250	43	ug/Kg		08/24/15 08:38	08/29/15 12:38	1
2,4,6-Trinitrotoluene	ND		250	35	ug/Kg		08/24/15 08:38	08/29/15 12:38	1
2,4-Dinitrotoluene	ND		250	37	ug/Kg		08/24/15 08:38	08/29/15 12:38	1
2,6-Dinitrotoluene	ND		250	63	ug/Kg		08/24/15 08:38	08/29/15 12:38	1
2-Amino-4,6-dinitrotoluene	ND		250	42	ug/Kg		08/24/15 08:38	08/29/15 12:38	1
4-Amino-2,6-dinitrotoluene	ND		250	92	ug/Kg		08/24/15 08:38	08/29/15 12:38	1
3-Nitrotoluene	ND		250	55	ug/Kg		08/24/15 08:38	08/29/15 12:38	1
Nitrobenzene	ND		250	43	ug/Kg		08/24/15 08:38	08/29/15 12:38	1
Nitroglycerin	ND		1200	270	ug/Kg		08/24/15 08:38	08/29/15 12:38	1
2-Nitrotoluene	ND		250	64	ug/Kg		08/24/15 08:38	08/29/15 12:38	1
4-Nitrotoluene	ND		250	80	ug/Kg		08/24/15 08:38	08/29/15 12:38	1
PETN	ND		2500	340	ug/Kg		08/24/15 08:38	08/29/15 12:38	1
RDX	ND		250	62	ug/Kg		08/24/15 08:38	08/29/15 12:38	1
HMX	ND		250	38	ug/Kg		08/24/15 08:38	08/29/15 12:38	1
Tetryl	ND		250	45	ug/Kg		08/24/15 08:38	08/29/15 12:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dinitrobenzene (Surr)	106		79 - 120				08/24/15 08:38	08/29/15 12:38	1

Client Sample ID: 2015.08.17.G.1

Date Collected: 08/17/15 12:40 Date Received: 08/20/15 09:15

Lab Sample ID: 160-13469-11

Matrix: Solid Percent Solids: 85.2

Method: 8260C -	Volatile Organic C	compounds by GC/MS
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Method: 8260C - Volatile Org Analyte		unds by GC/ Qualifier	MS RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		4,3	0.30	ug/Kg	7	08/31/15 19:37	08/31/15 21:59	1
1,1,1-Trichloroethane	ND		4.3	0.37	ug/Kg	ø	08/31/15 19:37	08/31/15 21:59	1
1,1,2,2-Tetrachloroethane	ND	*	4.3	0.34	ug/Kg	**	08/31/15 19:37	08/31/15 21:59	1
1,1,2-Trichloroethane	ND		4.3	0.49	ug/Kg	数	08/31/15 19:37	08/31/15 21:59	1
1,1-Dichloroethane	ND		4.3	0.33	ug/Kg	**	08/31/15 19:37	08/31/15 21:59	1
1,1-Dichloroethene	ND		4.3	1.4	ug/Kg	**	08/31/15 19:37	08/31/15 21:59	1
1,2-Dibromo-3-Chloropropane	ND	*	8.6	1.2	ug/Kg	**	08/31/15 19:37	08/31/15 21:59	1
1,2-Dichloroethane	ND		4.3	0.74	ug/Kg	*	08/31/15 19:37	08/31/15 21:59	1
1,2-Dichloropropane	ND		4.3	0.33	ug/Kg	鉄	08/31/15 19:37	08/31/15 21:59	1
1,3-Dichloropropene, Total	ND		8.6	0.81	ug/Kg	*	08/31/15 19:37	08/31/15 21:59	1
2-Butanone (MEK)	ND	*	17	1.6	ug/Kg	*	08/31/15 19:37	08/31/15 21:59	1
4-Methyl-2-pentanone (MIBK)	ND	*	17	0.62	ug/Kg	*	08/31/15 19:37	08/31/15 21:59	1
Acetone	10	JB	17	5.5	ug/Kg	*	08/31/15 19:37	08/31/15 21:59	1
Benzene	ND		4.3	0.21	ug/Kg	*	08/31/15 19:37	08/31/15 21:59	1
Bromodichloromethane	ND		4.3	0.21	ug/Kg	**	08/31/15 19:37	08/31/15 21:59	1
Bromoform	ND	*	4.3	0.32	ug/Kg	*	08/31/15 19:37	08/31/15 21:59	1
Bromomethane	ND		8.6	0.94	ug/Kg	**	08/31/15 19:37	08/31/15 21:59	1
Carbon disulfide	ND		4.3	0.59	ug/Kg	*	08/31/15 19:37	08/31/15 21:59	1
Carbon tetrachloride	ND		4.3	0.44	ug/Kg	*	08/31/15 19:37	08/31/15 21:59	1

Client: SEMS, Inc.

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

Lab Sample ID: 160-13469-11

Matrix: Solid Percent Solids: 85.2

Client Sample ID: 2015.08.17.G.1 Date Collected: 08/17/15 12:40

Date Received: 08/20/15 09:15

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND	-	4.3	0.33	ug/Kg	77	08/31/15 19:37	08/31/15 21:59	1
Chlorodibromomethane	ND		4.3	0.35	ug/Kg	**	08/31/15 19:37	08/31/15 21:59	1
Chloroethane	ND		8.6	0.45	ug/Kg		08/31/15 19:37	08/31/15 21:59	1
Chloroform	ND		4.3	0.33	ug/Kg	数	08/31/15 19:37	08/31/15 21:59	1
Chloromethane	ND		8.6	0.56	ug/Kg	**	08/31/15 19:37	08/31/15 21:59	1
cis-1,2-Dichloroethene	ND		4.3	0.51	ug/Kg		08/31/15 19:37	08/31/15 21:59	1
Ethylbenzene	ND		4.3	0.26	ug/Kg	**	08/31/15 19:37	08/31/15 21:59	1
Hexachlorobutadiene	ND	*	4.3	0.58	ug/Kg	尊	08/31/15 19:37	08/31/15 21:59	1
Isobutyl alcohol	ND		170	22	ug/Kg	禁	08/31/15 19:37	08/31/15 21:59	1
Methyl tert-butyl ether	ND		4.3	0.41	ug/Kg	数	08/31/15 19:37	08/31/15 21:59	.1
Methylene Chloride	ND		4.3	1.4	ug/Kg	*	08/31/15 19:37	08/31/15 21:59	1
Styrene	ND		4.3	0.30	ug/Kg	Ö	08/31/15 19:37	08/31/15 21:59	1
Tetrachloroethene	ND		4.3	0.27	ug/Kg	*	08/31/15 19:37	08/31/15 21:59	1
Toluene	ND		4.3	0.60	ug/Kg	数	08/31/15 19:37	08/31/15 21:59	1
trans-1,2-Dichloroethene	ND		4.3	0.80	ug/Kg	尊	08/31/15 19:37	08/31/15 21:59	1
Trichloroethene	ND		4.3	0.33	ug/Kg	*	08/31/15 19:37	08/31/15 21:59	1
Trichlorofluoromethane	ND		4.3	0.43	ug/Kg	*	08/31/15 19:37	08/31/15 21:59	1
Vinyl chloride	ND		4.3	0.37	ug/Kg	335	08/31/15 19:37	08/31/15 21:59	1
Xylenes, Total	2.2	J	8.6	0.73	ug/Kg	**	08/31/15 19:37	08/31/15 21:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	120	-	72 - 127	08/31/15 19:37	08/31/15 21:59	1
4-Bromofluorobenzene (Surr)	147	*	63 - 150	08/31/15 19:37	08/31/15 21:59	1
Dibromofluoromethane (Surr)	104		70 - 126	08/31/15 19:37	08/31/15 21:59	1
Toluene-d8 (Surr)	114		80 - 120	08/31/15 19:37	08/31/15 21:59	1

Method: 8270D -	Semivolatile Organi	c Compound	is (GC/MS)
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Method: 8270D - Semivolati Analyte	Result Q		MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND	390	39	ug/Kg	*	08/26/15 12:51	08/29/15 00:39	1
1,2,4,5-Tetrachlorobenzene	ND	390	39	ug/Kg	袋	08/26/15 12:51	08/29/15 00:39	1
1,2,4-Trichlorobenzene	ND	390	39	ug/Kg	**	08/26/15 12:51	08/29/15 00:39	1
1,2-Dichlorobenzene	ND	390	39	ug/Kg	**	08/26/15 12:51	08/29/15 00:39	1
1,3-Dichlorobenzene	ND	390	39	ug/Kg	袋	08/26/15 12:51	08/29/15 00:39	1
1,3-Dinitrobenzene	ND	390	39	ug/Kg	**	08/26/15 12:51	08/29/15 00:39	1
1,4-Dichlorobenzene	ND	390	39	ug/Kg	**	08/26/15 12:51	08/29/15 00:39	1
2,3,4,6-Tetrachlorophenol	ND	1900	39	ug/Kg	⇔	08/26/15 12:51	08/29/15 00:39	1
2,4,5-Trichlorophenol	ND	390	39	ug/Kg	*	08/26/15 12:51	08/29/15 00:39	1
2,4,6-Trichlorophenol	ND	390	39	ug/Kg	335	08/26/15 12:51	08/29/15 00:39	1
2,4-Dichlorophenol	ND	390	39	ug/Kg	**	08/26/15 12:51	08/29/15 00:39	1
2,4-Dimethylphenol	ND	390	39	ug/Kg	325	08/26/15 12:51	08/29/15 00:39	1
2,4-Dinitrophenol	ND *	1900	390	ug/Kg	*	08/26/15 12:51	08/29/15 00:39	1
2,4-Dinitrotoluene	ND	390	39	ug/Kg	**	08/26/15 12:51	08/29/15 00:39	1
2,6-Dinitrotoluene	ND	390	39	ug/Kg	**	08/26/15 12:51	08/29/15 00:39	1
2-Chloronaphthalene	ND	390	39	ug/Kg	325	08/26/15 12:51	08/29/15 00:39	1
2-Chlorophenol	ND	390	39	ug/Kg	*	08/26/15 12:51	08/29/15 00:39	1
2-Methylnaphthalene	ND	390	39	ug/Kg	328	08/26/15 12:51	08/29/15 00:39	1
2-Nitroaniline	ND	390	39	ug/Kg	**	08/26/15 12:51	08/29/15 00:39	1
3,3'-Dichlorobenzidine	ND	1900	390	ug/Kg	**	08/26/15 12:51	08/29/15 00:39	1
3-Nitroaniline	ND	390	39	ug/Kg	*	08/26/15 12:51	08/29/15 00:39	1
4-Nitroaniline	ND	1900	390	ug/Kg	₩	08/26/15 12:51	08/29/15 00:39	1

TestAmerica St. Louis

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Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

Client Sample ID: 2015.08.17.G.1

Lab Sample ID: 160-13469-11

TestAmerica Job ID: 160-13469-1

Matrix: Solid

Date Collected: 08/17/15 12:40 Date Received: 08/20/15 09:15

Percent Solids: 85.2

Method: 8270D - Semivolat Analyte		Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	ND		1900	390	ug/Kg	- 3	08/26/15 12:51		1
Acenaphthene	ND		390	39	ug/Kg	**	08/26/15 12:51		1
Acenaphthylene	ND		390	39	ug/Kg	**	08/26/15 12:51		1
Aniline	ND		390	70		*	08/26/15 12:51		1
Anthracene	ND		390	39	ug/Kg	**	08/26/15 12:51		1
Benzo[a]anthracene	ND		390	39		*	08/26/15 12:51		
Benzo[a]pyrene	ND		390	39	ug/Kg	**	08/26/15 12:51		1
Benzo[b]fluoranthene	ND		390	39	ug/Kg	*	08/26/15 12:51		4
Benzo[k]fluoranthene	ND		390	39	ug/Kg	**	08/26/15 12:51		1
bis (2-chloroisopropyl) ether	ND		390	39	ug/Kg	*	08/26/15 12:51		1
Bis(2-chloroethyl)ether	ND		390	39	ug/Kg	*	08/26/15 12:51		1
Bis(2-ethylhexyl) phthalate	ND		390	53	ug/Kg	ø	08/26/15 12:51		1
Butyl benzyl phthalate	ND		390	39	ug/Kg	*	08/26/15 12:51		1
Chrysene	ND		390	39	ug/Kg	*	08/26/15 12:51	08/29/15 00:39	4
Dibenz(a,h)anthracene	ND		390	39	ug/Kg	*	08/26/15 12:51		1
Dibenzofuran	ND		390	39	ug/Kg	*	08/26/15 12:51	08/29/15 00:39	1
Diethyl phthalate	ND		390	39	ug/Kg	*	08/26/15 12:51	08/29/15 00:39	4
Dimethyl phthalate	ND		390	39	ug/Kg	*	08/26/15 12:51		
Di-n-butyl phthalate	ND		390	39	ug/Kg ug/Kg	*	08/26/15 12:51	08/29/15 00:39	2
Di-n-octyl phthalate	ND		390		ug/Kg	*	08/26/15 12:51	08/29/15 00:39	1 0
Diphenylamine	ND		390	39	and the second of the	*			1
Fluoranthene				39	ug/Kg	100	08/26/15 12:51	08/29/15 00:39	1
	ND		390	39	ug/Kg	Φ.	08/26/15 12:51	08/29/15 00:39	2
Fluorene	ND		390	39	ug/Kg	**	08/26/15 12:51	08/29/15 00:39	3
Hexachlorobenzene	ND		390	39	ug/Kg	**	08/26/15 12:51	08/29/15 00:39	1
Hexachlorobutadiene	ND		390	39	ug/Kg	**	08/26/15 12:51	08/29/15 00:39	1
Hexachlorocyclopentadiene	ND		1900	390	ug/Kg	***	08/26/15 12:51	08/29/15 00:39	1
Hexachloroethane	ND		390	39	ug/Kg	***	08/26/15 12:51	08/29/15 00:39	1
Indeno[1,2,3-cd]pyrene	ND		390	39	ug/Kg	***	08/26/15 12:51	08/29/15 00:39	1
Isophorone	ND		390	39	ug/Kg	100	08/26/15 12:51	08/29/15 00:39	1
Naphthalene	ND		390	39	ug/Kg	**	08/26/15 12:51	08/29/15 00:39	1
Nitrobenzene	ND		390	39	ug/Kg	**	08/26/15 12:51	08/29/15 00:39	1
N-Nitrosodi-n-propylamine	ND		390	39	ug/Kg	**	08/26/15 12:51	08/29/15 00:39	1
Pentachlorophenol	ND		770	390	ug/Kg	*	08/26/15 12:51	08/29/15 00:39	1
Phenanthrene	ND		390	39	ug/Kg	*	08/26/15 12:51	08/29/15 00:39	1
Phenol	ND		390	39	ug/Kg	**	08/26/15 12:51	08/29/15 00:39	1
Pyrene	ND		390		ug/Kg	*	08/26/15 12:51	08/29/15 00:39	1
N-Nitrosodiphenylamine	ND		390	39	ug/Kg	**	08/26/15 12:51	08/29/15 00:39	.1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	70		56 - 97				08/26/15 12:51	08/29/15 00:39	1
2-Fluorophenol (Surr)	65		53 - 97				08/26/15 12:51	08/29/15 00:39	1
Nitrobenzene-d5 (Surr)	65		55 - 98				08/26/15 12:51	08/29/15 00:39	1
Phenol-d5 (Surr)	68		54 - 101				08/26/15 12:51	08/29/15 00:39	1
Terphenyl-d14 (Surr)	65		58 - 123				08/26/15 12:51	08/29/15 00:39	1
2,4,6-Tribromophenol (Surr)	78		46 - 111				08/26/15 12:51	08/29/15 00:39	1
Method: 8330B - Nitroarom	atics and Nitra	mines (HP	(LC)						
	WINDS WITH INITIO								
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte 1,3,5-Trinitrobenzene	Result	Qualifier	RL 240	MDL 26	Unit ug/Kg	D	Prepared 08/24/15 08:38	Analyzed 08/29/15 13:01	Dil Fac

Client: SEMS, Inc.

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

Client Sample ID: 2015.08.17.G.1

Date Collected: 08/17/15 12:40 Date Received: 08/20/15 09:15 Lab Sample ID: 160-13469-11 Matrix: Solid

Percent Solids: 85.2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trinitrotoluene	ND		240	34	ug/Kg		08/24/15 08:38	08/29/15 13:01	1
2,4-Dinitrotoluene	ND		240	36	ug/Kg		08/24/15 08:38	08/29/15 13:01	1
2,6-Dinitrotoluene	ND		240	61	ug/Kg		08/24/15 08:38	08/29/15 13:01	1
2-Amino-4,6-dinitrotoluene	ND		240	41	ug/Kg		08/24/15 08:38	08/29/15 13:01	1
4-Amino-2,6-dinitrotoluene	ND		240	89	ug/Kg		08/24/15 08:38	08/29/15 13:01	1
3-Nitrotoluene	ND		240	53	ug/Kg		08/24/15 08:38	08/29/15 13:01	1
Nitrobenzene	ND		240	41	ug/Kg		08/24/15 08:38	08/29/15 13:01	1
Nitroglycerin	ND		1200	260	ug/Kg		08/24/15 08:38	08/29/15 13:01	1
2-Nitrotoluene	ND		240	62	ug/Kg		08/24/15 08:38	08/29/15 13:01	1
4-Nitrotoluene	ND		240	78	ug/Kg		08/24/15 08:38	08/29/15 13:01	1
PETN	ND		2400	330	ug/Kg		08/24/15 08:38	08/29/15 13:01	1
RDX	ND		240	60	ug/Kg		08/24/15 08:38	08/29/15 13:01	1
HMX	ND		240	37	ug/Kg		08/24/15 08:38	08/29/15 13:01	1
Tetryl	ND		240	44	ug/Kg		08/24/15 08:38	08/29/15 13:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dinitrobenzene (Surr)	111		79 - 120				08/24/15 08:38	08/29/15 13:01	1

Client Sample ID: 2015.08.17.E.1

Date Collected: 08/17/15 12:50 Date Received: 08/20/15 09:15 Lab Sample ID: 160-13469-12

Matrix: Solid Percent Solids: 80.5

Method: 8260C - Volatile Org Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	*	4.5	0.31	ug/Kg	**	08/23/15 03:00	08/23/15 10:24	1
1,1,1-Trichloroethane	ND		4.5	0.38	ug/Kg	**	08/23/15 03:00	08/23/15 10:24	1
1,1,2,2-Tetrachloroethane	ND	*	4.5	0.36	ug/Kg	*	08/23/15 03:00	08/23/15 10:24	1
1,1,2-Trichloroethane	ND	*	4.5	0.51	ug/Kg	**	08/23/15 03:00	08/23/15 10:24	1
1,1-Dichloroethane	ND		4.5	0.35	ug/Kg	**	08/23/15 03:00	08/23/15 10:24	1
1,1-Dichloroethene	ND		4.5	1.4	ug/Kg	**	08/23/15 03:00	08/23/15 10:24	1
1,2-Dibromo-3-Chloropropane	ND	•	8.9	1.3	ug/Kg	**	08/23/15 03:00	08/23/15 10:24	1
1,2-Dichloroethane	ND		4.5	0.78	ug/Kg	**	08/23/15 03:00	08/23/15 10:24	1
1,2-Dichloropropane	ND		4.5	0.34	ug/Kg	*	08/23/15 03:00	08/23/15 10:24	1
1,3-Dichloropropene, Total	ND		8.9	0.85	ug/Kg	**	08/23/15 03:00	08/23/15 10:24	1
2-Butanone (MEK)	ND		18	1.7	ug/Kg	*	08/23/15 03:00	08/23/15 10:24	1
4-Methyl-2-pentanone (MIBK)	ND	*	18	0.65	ug/Kg	3,5	08/23/15 03:00	08/23/15 10:24	1
Acetone	ND		18	5.8	ug/Kg	**	08/23/15 03:00	08/23/15 10:24	1
Benzene	ND		4.5	0.22	ug/Kg	305	08/23/15 03:00	08/23/15 10:24	1
Bromodichloromethane	ND		4.5	0.22	ug/Kg	**	08/23/15 03:00	08/23/15 10:24	1
Bromoform	ND	*	4.5	0.33	ug/Kg	**	08/23/15 03:00	08/23/15 10:24	1
Bromomethane	ND		8.9	0.98	ug/Kg	*	08/23/15 03:00	08/23/15 10:24	1
Carbon disulfide	ND		4.5	0.62	ug/Kg	**	08/23/15 03:00	08/23/15 10:24	1
Carbon tetrachloride	ND		4.5	0.46	ug/Kg	*	08/23/15 03:00	08/23/15 10:24	1
Chlorobenzene	ND	*	4.5	0.34	ug/Kg	**	08/23/15 03:00	08/23/15 10:24	1
Chlorodibromomethane	ND	*	4.5	0.37	ug/Kg	**	08/23/15 03:00	08/23/15 10:24	1
Chloroethane	ND		8.9	0.47	ug/Kg	**	08/23/15 03:00	08/23/15 10:24	1
Chloroform	ND		4.5	0.34	ug/Kg	尊	08/23/15 03:00	08/23/15 10:24	1
Chloromethane	ND		8.9	0.58	ug/Kg	*	08/23/15 03:00	08/23/15 10:24	1
cis-1,2-Dichloroethene	ND		4.5	0.54	ug/Kg	*	08/23/15 03:00	08/23/15 10:24	1
Ethylbenzene	ND	*	4.5	0.27	ug/Kg	100	08/23/15 03:00	08/23/15 10:24	1

Client: SEMS, Inc

Benzo[a]anthracene

Benzo[a]pyrene

Project/Site: Camp Minden Baseline Project

Client Sample ID: 2015.08.17.E.1

Date Collected: 08/17/15 12:50 Date Received: 08/20/15 09:15 Lab Sample ID: 160-13469-12

TestAmerica Job ID: 160-13469-1

Matrix: Solid Percent Solids: 80.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	ND	*	4.5	0.61	ug/Kg	7	08/23/15 03:00	08/23/15 10:24	1
Isobutyl alcohol	ND		180	23	ug/Kg		08/23/15 03:00	08/23/15 10:24	1
Methyl tert-butyl ether	ND		4.5	0.43	ug/Kg	尊	08/23/15 03:00	08/23/15 10:24	1
Methylene Chloride	ND		4.5	1.4	ug/Kg	**	08/23/15 03:00	08/23/15 10:24	1
Styrene	ND	*	4.5	0.31	ug/Kg	**	08/23/15 03:00	08/23/15 10:24	1
Tetrachloroethene	ND	*	4.5	0.29	ug/Kg	**	08/23/15 03:00	08/23/15 10:24	1
Toluene	ND	*	4.5	0.63	ug/Kg	**	08/23/15 03:00	08/23/15 10:24	1
trans-1,2-Dichloroethene	ND		4.5	0.84	ug/Kg	**	08/23/15 03:00	08/23/15 10:24	1
Trichloroethene	ND		4.5	0.35	ug/Kg	数	08/23/15 03:00	08/23/15 10:24	1
Trichlorofluoromethane	ND		4.5	0.45	ug/Kg	*	08/23/15 03:00	08/23/15 10:24	1
Vinyl chloride	ND		4.5	0.38	ug/Kg	*	08/23/15 03:00	08/23/15 10:24	1
Xylenes, Total	ND	*	8.9	0.76	ug/Kg	*	08/23/15 03:00	08/23/15 10:24	4
	1.77	*				*	시리 가게 하다가 하다 그 경기를 하시		150/4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		72 - 127	08/23/15 03:00	08/23/15 10:24	1
4-Bromofluorobenzene (Surr)	128	*	63 - 150	08/23/15 03:00	08/23/15 10:24	1
Dibromofluoromethane (Surr)	111		70 - 126	08/23/15 03:00	08/23/15 10:24	1
Toluene-d8 (Surr)	113	*	80 - 120	08/23/15 03:00	08/23/15 10:24	1

Toluene-d8 (Surr)	113		80 - 120				08/23/15 03:00	08/23/15 10:24	1
Method: 8270D - Semivolatil		mpounds Qualifier	(GC/MS)	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		410	41	ug/Kg	- ×	08/26/15 12:51	08/29/15 01:12	1
1,2,4,5-Tetrachlorobenzene	ND		410	41	ug/Kg	故	08/26/15 12:51	08/29/15 01:12	1
1,2,4-Trichlorobenzene	ND		410	41	ug/Kg	**	08/26/15 12:51	08/29/15 01:12	1
1,2-Dichlorobenzene	ND		410	41	ug/Kg	⇔	08/26/15 12:51	08/29/15 01:12	1
1,3-Dichlorobenzene	ND		410	41	ug/Kg	**	08/26/15 12:51	08/29/15 01:12	1
1,3-Dinitrobenzene	ND		410	41	ug/Kg	*	08/26/15 12:51	08/29/15 01:12	1
1,4-Dichlorobenzene	ND		410	41	ug/Kg	**	08/26/15 12:51	08/29/15 01:12	1
2,3,4,6-Tetrachlorophenol	ND		2000	41	ug/Kg	*	08/26/15 12:51	08/29/15 01:12	1
2,4,5-Trichlorophenol	ND		410	41	ug/Kg	**	08/26/15 12:51	08/29/15 01:12	9
2,4,6-Trichlorophenol	ND		410	41	ug/Kg	*	08/26/15 12:51	08/29/15 01:12	1
2,4-Dichlorophenol	ND		410	41	ug/Kg	335	08/26/15 12:51	08/29/15 01:12	1
2,4-Dimethylphenol	ND		410	41	ug/Kg	*	08/26/15 12:51	08/29/15 01:12	1
2,4-Dinitrophenol	ND	*	2000	410	1 TO 1 TO 1	**	08/26/15 12:51	08/29/15 01:12	1
2,4-Dinitrotoluene	ND		410	41	ug/Kg	*	08/26/15 12:51	08/29/15 01:12	1
2,6-Dinitrotoluene	ND		410	41	ug/Kg	**	08/26/15 12:51	08/29/15 01:12	1
2-Chloronaphthalene	ND		410	41	ug/Kg	*	08/26/15 12:51	08/29/15 01:12	1
2-Chlorophenol	ND		410	41	ug/Kg	**	08/26/15 12:51	08/29/15 01:12	1
2-Methylnaphthalene	ND		410	41	ug/Kg	**	08/26/15 12:51	08/29/15 01:12	1
2-Nitroaniline	ND		410	41	ug/Kg	125	08/26/15 12:51	08/29/15 01:12	1
3,3'-Dichlorobenzidine	ND		2000	410	ug/Kg	**	08/26/15 12:51	08/29/15 01:12	1
3-Nitroaniline	ND		410	41	ug/Kg	100	08/26/15 12:51	08/29/15 01:12	1
4-Nitroaniline	ND		2000	410	ug/Kg	**	08/26/15 12:51	08/29/15 01:12	1
4-Nitrophenol	ND		2000	410	ug/Kg	**	08/26/15 12:51	08/29/15 01:12	1
Acenaphthene	ND		410	41	ug/Kg	**	08/26/15 12:51	08/29/15 01:12	1
Acenaphthylene	ND		410	41	ug/Kg	数	08/26/15 12:51	08/29/15 01:12	1
Aniline	ND		410	74	ug/Kg	**	08/26/15 12:51	08/29/15 01:12	1
Anthracene	ND		410	41	ug/Kg	*	08/26/15 12:51	08/29/15 01:12	1
					- m-/				

TestAmerica St. Louis

D 08/26/15 12:51 08/29/15 01:12

© 08/26/15 12:51 08/29/15 01:12

410

410

41 ug/Kg

41 ug/Kg

ND

ND

Client: SEMS, Inc.

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

Client Sample ID: 2015.08.17.E.1

Date Collected: 08/17/15 12:50 Date Received: 08/20/15 09:15 Lab Sample ID: 160-13469-12 Matrix: Solid

Percent Solids: 80.5

Method: 8270D - Semivola Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	ND		410	41	ug/Kg	*	08/26/15 12:51	08/29/15 01:12	1
Benzo[k]fluoranthene	ND		410	41	ug/Kg	**	08/26/15 12:51	08/29/15 01:12	1
bis (2-chloroisopropyl) ether	ND		410	41	ug/Kg	**	08/26/15 12:51	08/29/15 01:12	1
Bis(2-chloroethyl)ether	ND		410	41	ug/Kg	305	08/26/15 12:51	08/29/15 01:12	1
Bis(2-ethylhexyl) phthalate	ND		410	56	ug/Kg	**	08/26/15 12:51	08/29/15 01:12	1
Butyl benzyl phthalate	ND		410	41	ug/Kg	**	08/26/15 12:51	08/29/15 01:12	1
Chrysene	ND		410	41	ug/Kg	**	08/26/15 12:51	08/29/15 01:12	1
Dibenz(a,h)anthracene	ND		410	41	ug/Kg	**	08/26/15 12:51	08/29/15 01:12	1
Dibenzofuran	ND		410	41	ug/Kg	*	08/26/15 12:51	08/29/15 01:12	1
Diethyl phthalate	ND		410	41	ug/Kg	**	08/26/15 12:51	08/29/15 01:12	1
Dimethyl phthalate	ND		410	41	ug/Kg	*	08/26/15 12:51	08/29/15 01:12	1
Di-n-butyl phthalate	ND		410	41	ug/Kg	**	08/26/15 12:51	08/29/15 01:12	4
Di-n-octyl phthalate	ND		410	41	ug/Kg	**	08/26/15 12:51	08/29/15 01:12	1
Diphenylamine	ND	*	410	41	ug/Kg	**	08/26/15 12:51	08/29/15 01:12	1
Fluoranthene	ND		410	41	ug/Kg	**	08/26/15 12:51	08/29/15 01:12	1
Fluorene	ND		410	41	ug/Kg	*	08/26/15 12:51	08/29/15 01:12	1
Hexachlorobenzene	ND		410	41	ug/Kg	*	08/26/15 12:51	08/29/15 01:12	1
Hexachlorobutadiene	ND		410	41	ug/Kg	**	08/26/15 12:51	08/29/15 01:12	1
Hexachlorocyclopentadiene	ND		2000	410	ug/Kg	*	08/26/15 12:51	08/29/15 01:12	1
Hexachloroethane	ND		410	41	ug/Kg	**	08/26/15 12:51	08/29/15 01:12	- 1
Indeno[1,2,3-cd]pyrene	ND		410	41	ug/Kg	*	08/26/15 12:51	08/29/15 01:12	1
Isophorone	ND		410	41	ug/Kg	**	08/26/15 12:51	08/29/15 01:12	1
Naphthalene	ND		410	41	ug/Kg	益	08/26/15 12:51	08/29/15 01:12	1
Nitrobenzene	ND		410	41	ug/Kg	**	08/26/15 12:51	08/29/15 01:12	1
N-Nitrosodi-n-propylamine	ND		410	41	ug/Kg	*	08/26/15 12:51	08/29/15 01:12	1
Pentachlorophenol	ND		810	410	ug/Kg	*	08/26/15 12:51	08/29/15 01:12	1
Phenanthrene	ND		410	41	ug/Kg	*	08/26/15 12:51	08/29/15 01:12	1
Phenol	ND		410	41	ug/Kg	**	08/26/15 12:51	08/29/15 01:12	1
Pyrene	ND		410	41	ug/Kg	*	08/26/15 12:51	08/29/15 01:12	1
N-Nitrosodiphenylamine	ND		410	41	ug/Kg	*	08/26/15 12:51	08/29/15 01:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	69		56-97				08/26/15 12:51	08/29/15 01:12	1
2-Fluorophenol (Surr)	63		53 - 97				08/26/15 12:51	08/29/15 01:12	1
Nitrobenzene-d5 (Surr)	64		55 - 98				08/26/15 12:51	08/29/15 01:12	1
Phenol-d5 (Surr)	66		54 - 101				08/26/15 12:51	08/29/15 01:12	1
Terphenyl-d14 (Surr)	64		58 - 123				08/26/15 12:51	08/29/15 01:12	1
2,4,6-Tribromophenol (Surr)	76		46-111				08/26/15 12:51	08/29/15 01:12	1

Mathad	9220D	Nitroaromatic	a and Mitramir	ann (HDLC)
Method:	833015 -	Nitroaromatic	s and Nitramii	ies (HPLC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trinitrobenzene	ND		230	25	ug/Kg		08/24/15 08:38	08/29/15 13:47	1
1,3-Dinitrobenzene	ND		230	40	ug/Kg		08/24/15 08:38	08/29/15 13:47	1
2,4,6-Trinitrotoluene	ND		230	33	ug/Kg		08/24/15 08:38	08/29/15 13:47	1
2,4-Dinitrotoluene	ND		230	35	ug/Kg		08/24/15 08:38	08/29/15 13:47	1
2,6-Dinitrotoluene	ND		230	58	ug/Kg		08/24/15 08:38	08/29/15 13:47	1
2-Amino-4,6-dinitrotoluene	ND		230	39	ug/Kg		08/24/15 08:38	08/29/15 13:47	1
4-Amino-2,6-dinitrotoluene	ND		230	86	ug/Kg		08/24/15 08:38	08/29/15 13:47	1
3-Nitrotoluene	ND		230	51	ug/Kg		08/24/15 08:38	08/29/15 13:47	1
Nitrobenzene	ND		230	40	ug/Kg		08/24/15 08:38	08/29/15 13:47	1

Client: SEMS, Inc.

Project/Site: Camp Minden Baseline Project

Client Sample ID: 2015.08.17.E.1

Date Collected: 08/17/15 12:50 Date Received: 08/20/15 09:15

Lab Sample ID: 160-13469-12

TestAmerica Job ID: 160-13469-1

Matrix: Solid

Percent Solids: 80.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitroglycerin	ND		1100	250	ug/Kg		08/24/15 08:38	08/29/15 13:47	1
2-Nitrotoluene	ND		230	60	ug/Kg		08/24/15 08:38	08/29/15 13:47	1
4-Nitrotoluene	ND		230	75	ug/Kg		08/24/15 08:38	08/29/15 13:47	1
PETN	ND		2300	320	ug/Kg		08/24/15 08:38	08/29/15 13:47	1
RDX	ND		230	57	ug/Kg		08/24/15 08:38	08/29/15 13:47	1
HMX	ND		230	36	ug/Kg		08/24/15 08:38	08/29/15 13:47	1
Tetryl	ND		230	42	ug/Kg		08/24/15 08:38	08/29/15 13:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dinitrobenzene (Surr)	102		79 - 120				08/24/15 08:38	08/29/15 13:47	1

Client Sample ID: 2015.08.17.G.3

Date Collected: 08/17/15 13:00 Date Received: 08/20/15 09:15

Lab Sample ID: 160-13469-13

Matrix: Solid Percent Solids: 85.3

Method: 8260C - Volatile Org Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		4.2	0.29	ug/Kg	*	08/23/15 03:00	08/23/15 10:48	1
1,1,1-Trichloroethane	ND		4.2	0.36	ug/Kg	*	08/23/15 03:00	08/23/15 10:48	-1
1,1,2,2-Tetrachloroethane	ND	*	4.2	0.34	ug/Kg	尊	08/23/15 03:00	08/23/15 10:48	1
1,1,2-Trichloroethane	ND		4.2	0.48	ug/Kg	*	08/23/15 03:00	08/23/15 10:48	1
1,1-Dichloroethane	ND		4.2	0.33	ug/Kg	*	08/23/15 03:00	08/23/15 10:48	1
1,1-Dichloroethene	ND		4.2	1.3	ug/Kg	*	08/23/15 03:00	08/23/15 10:48	1
1,2-Dibromo-3-Chloropropane	ND	*	8.4	1.2	ug/Kg	*	08/23/15 03:00	08/23/15 10:48	1
1,2-Dichloroethane	ND		4.2	0.73	ug/Kg	*	08/23/15 03:00	08/23/15 10:48	1
1,2-Dichloropropane	ND		4.2	0.32	ug/Kg	*	08/23/15 03:00	08/23/15 10:48	1
1,3-Dichloropropene, Total	ND		8.4	0.80	ug/Kg	**	08/23/15 03:00	08/23/15 10:48	1
2-Butanone (MEK)	ND		17	1.6	ug/Kg	**	08/23/15 03:00	08/23/15 10:48	1
4-Methyl-2-pentanone (MIBK)	ND		17	0.61	ug/Kg	*	08/23/15 03:00	08/23/15 10:48	1
Acetone	ND		17	5.4	ug/Kg	**	08/23/15 03:00	08/23/15 10:48	1
Benzene	ND		4.2	0.21	ug/Kg	尊	08/23/15 03:00	08/23/15 10:48	1
Bromodichloromethane	ND		4.2	0.21	ug/Kg	**	08/23/15 03:00	08/23/15 10:48	1
Bromoform	ND	•	4.2	0.31	ug/Kg	*	08/23/15 03:00	08/23/15 10:48	1
Bromomethane	ND		8.4	0.92	ug/Kg	鉄	08/23/15 03:00	08/23/15 10:48	1
Carbon disulfide	ND		4.2	0.58	ug/Kg	*	08/23/15 03:00	08/23/15 10:48	1
Carbon tetrachloride	ND		4.2	0.43	ug/Kg	*	08/23/15 03:00	08/23/15 10:48	1
Chlorobenzene	ND		4.2	0.32	ug/Kg	*	08/23/15 03:00	08/23/15 10:48	1
Chlorodibromomethane	ND		4.2	0.34	ug/Kg	**	08/23/15 03:00	08/23/15 10:48	1
Chloroethane	ND		8.4	0.44	ug/Kg	*	08/23/15 03:00	08/23/15 10:48	1
Chloroform	ND		4.2	0.32	ug/Kg	*	08/23/15 03:00	08/23/15 10:48	1
Chloromethane	ND		8.4	0.54	ug/Kg	*	08/23/15 03:00	08/23/15 10:48	1
cis-1,2-Dichloroethene	ND		4.2	0.50	ug/Kg	禁	08/23/15 03:00	08/23/15 10:48	1
Ethylbenzene	ND		4.2	0.25	ug/Kg	*	08/23/15 03:00	08/23/15 10:48	1
Hexachlorobutadiene	ND	*	4.2	0.57	ug/Kg		08/23/15 03:00	08/23/15 10:48	1
sobutyl alcohol	ND		170	21	ug/Kg	*	08/23/15 03:00	08/23/15 10:48	1
Methyl tert-butyl ether	ND		4.2	0.40	ug/Kg	ø	08/23/15 03:00	08/23/15 10:48	1
Methylene Chloride	ND		4.2		ug/Kg	*	08/23/15 03:00	08/23/15 10:48	1
Styrene	ND		4.2		ug/Kg	**	08/23/15 03:00	08/23/15 10:48	1
Tetrachloroethene	ND		4.2		ug/Kg	**	08/23/15 03:00	08/23/15 10:48	1
Toluene	ND		4.2		ug/Kg	**	08/23/15 03:00	08/23/15 10:48	1

Client: SEMS, Inc.

Chrysene

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

Client Sample ID: 2015.08.17.G.3

Date Collected: 08/17/15 13:00 Date Received: 08/20/15 09:15 Lab Sample ID: 160-13469-13 Matrix: Solid

Percent Solids: 85.3

Analyte		Qualifier	RL	MDL	1.707777	a	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		4.2	0.79	ug/Kg	***	08/23/15 03:00	08/23/15 10:48	1
Trichloroethene	ND		4.2	0.33	ug/Kg	***	08/23/15 03:00	08/23/15 10:48	1
Trichlorofluoromethane	ND		4.2	0.42	ug/Kg	**	08/23/15 03:00	08/23/15 10:48	18
Vinyl chloride	ND		4.2	0.36	ug/Kg	蕁	08/23/15 03:00	08/23/15 10:48	1
Xylenes, Total	ND		8.4	0.71	ug/Kg	⇔	08/23/15 03:00	08/23/15 10:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		72 - 127				08/23/15 03:00	08/23/15 10:48	1
4-Bromofluorobenzene (Surr)	125	*	63 - 150				08/23/15 03:00	08/23/15 10:48	
Dibromofluoromethane (Surr)	107		70 - 126				08/23/15 03:00	08/23/15 10:48	
Toluene-d8 (Surr)	117		80 - 120				08/23/15 03:00	08/23/15 10:48	
Method: 8270D - Semivola	tile Organic Co	mpounds	(GC/MS)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
1,1'-Biphenyl	ND	1 1 1 1	390	39	ug/Kg	拉	08/26/15 12:51	08/29/15 01:45	
1,2,4,5-Tetrachlorobenzene	ND		390	39	ug/Kg	尊	08/26/15 12:51	08/29/15 01:45	4
1,2,4-Trichlorobenzene	ND		390	39	ug/Kg	*	08/26/15 12:51	08/29/15 01:45	
1,2-Dichlorobenzene	ND		390	39	ug/Kg	**	08/26/15 12:51	08/29/15 01:45	
1,3-Dichlorobenzene	ND		390	39	ug/Kg	**	08/26/15 12:51	08/29/15 01:45	
1,3-Dinitrobenzene	ND		390	39	ug/Kg	325	08/26/15 12:51	08/29/15 01:45	9
1,4-Dichlorobenzene	ND		390	39	ug/Kg	**	08/26/15 12:51	08/29/15 01:45	
2,3,4,6-Tetrachlorophenol	ND		1900	39	ug/Kg	兹	08/26/15 12:51	08/29/15 01:45	
2,4,5-Trichlorophenol	ND		390	39	ug/Kg	**	08/26/15 12:51	08/29/15 01:45	1
2,4,6-Trichlorophenol	ND		390	39	ug/Kg	**	08/26/15 12:51	08/29/15 01:45	9
2,4-Dichlorophenol	ND		390	39	ug/Kg	**	08/26/15 12:51	08/29/15 01:45	9
2,4-Dimethylphenol	ND		390	39	ug/Kg	**	08/26/15 12:51	08/29/15 01:45	
2,4-Dinitrophenol	ND	*	1900	390	ug/Kg	**	08/26/15 12:51	08/29/15 01:45	
2,4-Dinitrotoluene	ND		390	39	ug/Kg	**	08/26/15 12:51	08/29/15 01:45	
2,6-Dinitrotoluene	ND		390	39	ug/Kg	**	08/26/15 12:51	08/29/15 01:45	
2-Chloronaphthalene	ND		390	39	ug/Kg	**	08/26/15 12:51	08/29/15 01:45	
2-Chlorophenol	ND		390	39	ug/Kg	335	08/26/15 12:51	08/29/15 01:45	
2-Methylnaphthalene	ND		390	39	ug/Kg	**	08/26/15 12:51	08/29/15 01:45	
2-Nitroaniline	ND		390	39	ug/Kg	鉄	08/26/15 12:51	08/29/15 01:45	
3,3'-Dichlorobenzidine	ND		1900	390	- A G 1 A A A A A A A A A A A A A A A A A	验	08/26/15 12:51	08/29/15 01:45	
3-Nitroaniline	ND		390	39	ug/Kg	100	08/26/15 12:51	08/29/15 01:45	
4-Nitroaniline	ND		1900	390		100	08/26/15 12:51		
4-Nitrophenol	ND		1900	390		**	08/26/15 12:51	08/29/15 01:45	
Acenaphthene	ND		390	39	ug/Kg	**	08/26/15 12:51	08/29/15 01:45	
Acenaphthylene	ND		390	39	ug/Kg	**	08/26/15 12:51		
Aniline	ND		390	70	ug/Kg	**	08/26/15 12:51		
Anthracene	ND		390	39	ug/Kg	*	08/26/15 12:51		
Benzo[a]anthracene	ND		390	39	ug/Kg	禁	08/26/15 12:51		
Benzo[a]pyrene	ND		390	39	ug/Kg	45	08/26/15 12:51		
Benzo[b]fluoranthene	ND		390	39	ug/Kg	**	08/26/15 12:51		
Benzo[k]fluoranthene	ND		390	39	ug/Kg	*	08/26/15 12:51		
bis (2-chloroisopropyl) ether	ND		390	39	ug/Kg	*	08/26/15 12:51		
Bis(2-chloroethyl)ether	ND		390	39	ug/Kg	*	08/26/15 12:51		3
Bis(2-ethylhexyl) phthalate	ND		390	53		Þ	08/26/15 12:51		
Butyl benzyl phthalate	ND		390		ug/Kg	⋫	08/26/15 12:51		
Daty Delizy philialate	ND		390	33	uging	ate.	00/20/10 12.01	00/20/15 01.45	

TestAmerica St. Louis

© 08/26/15 12:51 08/29/15 01:45

390

39 ug/Kg

ND

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

Client Sample ID: 2015.08.17.G.3 Date Collected: 08/17/15 13:00

Dat

Lab Sample ID: 160-13469-13

TestAmerica Job ID: 160-13469-1

Matrix: Solid

ate Received: 08/20/15 09:15	Percent Solids: 85.3
Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)	

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		390	39	ug/Kg	**	08/26/15 12:51	08/29/15 01:45	1
Dibenzofuran	ND		390	39	ug/Kg	×	08/26/15 12:51	08/29/15 01:45	1
Diethyl phthalate	ND		390	39	ug/Kg	益	08/26/15 12:51	08/29/15 01:45	1
Dimethyl phthalate	ND		390	39	ug/Kg	*	08/26/15 12:51	08/29/15 01:45	1
Di-n-butyl phthalate	ND		390	39	ug/Kg	*	08/26/15 12:51	08/29/15 01:45	1
Di-n-octyl phthalate	ND		390	39	ug/Kg	*	08/26/15 12:51	08/29/15 01:45	1
Diphenylamine	ND	*	390	39	ug/Kg	*	08/26/15 12:51	08/29/15 01:45	1
Fluoranthene	ND		390	39	ug/Kg	尊	08/26/15 12:51	08/29/15 01:45	1
Fluorene	ND		390	39	ug/Kg	*	08/26/15 12:51	08/29/15 01:45	1
Hexachlorobenzene	ND		390	39	ug/Kg	**	08/26/15 12:51	08/29/15 01:45	1
Hexachlorobutadiene	ND		390	39	ug/Kg	**	08/26/15 12:51	08/29/15 01:45	1
Hexachlorocyclopentadiene	ND		1900	390	ug/Kg	**	08/26/15 12:51	08/29/15 01:45	1
Hexachloroethane	ND		390	39	ug/Kg	**	08/26/15 12:51	08/29/15 01:45	1
Indeno[1,2,3-cd]pyrene	ND		390	39	ug/Kg	**	08/26/15 12:51	08/29/15 01:45	1
Isophorone	ND		390	39	ug/Kg	₩	08/26/15 12:51	08/29/15 01:45	1
Naphthalene	ND		390	39	ug/Kg	*	08/26/15 12:51	08/29/15 01:45	1
Nitrobenzene	ND		390	39	ug/Kg	*	08/26/15 12:51	08/29/15 01:45	1
N-Nitrosodi-n-propylamine	ND		390	39	ug/Kg	*	08/26/15 12:51	08/29/15 01:45	1
Pentachlorophenol	ND		770	390	ug/Kg	*	08/26/15 12:51	08/29/15 01:45	1
Phenanthrene	ND		390	39	ug/Kg	*	08/26/15 12:51	08/29/15 01:45	1
Phenol	ND		390	39	ug/Kg	故	08/26/15 12:51	08/29/15 01:45	1
Pyrene	ND		390	39	ug/Kg	*	08/26/15 12:51	08/29/15 01:45	1
N-Nitrosodiphenylamine	ND		390	39	ug/Kg	鉄	08/26/15 12:51	08/29/15 01:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	72		56-97				08/26/15 12:51	08/29/15 01:45	1
2-Fluorophenol (Surr)	67		53-97				08/26/15 12:51	08/29/15 01:45	1
Nitrobenzene-d5 (Surr)	66		55 - 98				08/26/15 12:51	08/29/15 01:45	1
Phenol-d5 (Surr)	69		54 - 101				08/26/15 12:51	08/29/15 01:45	1
Tembenyl-d14 (Surr)	66		58 122				08/26/45 12:51	08/20/15 01:45	14

Surrogate	%Recovery Qua	alifier Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	72	56 - 97	08/26/15 12:51	08/29/15 01:45	1
2-Fluorophenol (Surr)	67	53 - 97	08/26/15 12:51	08/29/15 01:45	1
Nitrobenzene-d5 (Surr)	66	55 - 98	08/26/15 12:51	08/29/15 01:45	1
Phenol-d5 (Surr)	69	54 - 101	08/26/15 12:51	08/29/15 01:45	1
Terphenyl-d14 (Surr)	66	58 - 123	08/26/15 12:51	08/29/15 01:45	1
2,4,6-Tribromophenol (Surr)	79	46 - 111	08/26/15 12:51	08/29/15 01:45	1

Method: 8330B - Nitroaromatics and N	itramines (HPLC)
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Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trinitrobenzene	ND		250	27	ug/Kg	_	08/24/15 08:38	08/29/15 14:10	1
1,3-Dinitrobenzene	ND		250	43	ug/Kg		08/24/15 08:38	08/29/15 14:10	1
2,4,6-Trinitrotoluene	ND		250	35	ug/Kg		08/24/15 08:38	08/29/15 14:10	1
2,4-Dinitrotoluene	ND		250	37	ug/Kg		08/24/15 08:38	08/29/15 14:10	1
2,6-Dinitrotoluene	ND		250	63	ug/Kg		08/24/15 08:38	08/29/15 14:10	1
2-Amino-4,6-dinitrotoluene	ND		250	42	ug/Kg		08/24/15 08:38	08/29/15 14:10	1
4-Amino-2,6-dinitrotoluene	ND		250	92	ug/Kg		08/24/15 08:38	08/29/15 14:10	1
3-Nitrotoluene	ND		250	55	ug/Kg		08/24/15 08:38	08/29/15 14:10	1
Nitrobenzene	ND		250	43	ug/Kg		08/24/15 08:38	08/29/15 14:10	1
Nitroglycerin	ND		1200	270	ug/Kg		08/24/15 08:38	08/29/15 14:10	1
2-Nitrotoluene	ND		250	64	ug/Kg		08/24/15 08:38	08/29/15 14:10	1
4-Nitrotoluene	ND		250	80	ug/Kg		08/24/15 08:38	08/29/15 14:10	1
PETN	ND		2500	340	ug/Kg		08/24/15 08:38	08/29/15 14:10	1
RDX	ND		250	62	ug/Kg		08/24/15 08:38	08/29/15 14:10	1
HMX	ND		250	38	ug/Kg		08/24/15 08:38	08/29/15 14:10	1
Tetryl	ND		250	45	ug/Kg		08/24/15 08:38	08/29/15 14:10	1

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

Client Sample ID: 2015.08.17.G.3

Date Collected: 08/17/15 13:00 Date Received: 08/20/15 09:15 Lab Sample ID: 160-13469-13

Matrix: Solid Percent Solids: 85.3

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 79 - 120 08/24/15 08:38 08/29/15 14:10 1,2-Dinitrobenzene (Surr) 107

Client Sample ID: 2015.08.17.G.5

Date Collected: 08/17/15 14:50

Lab Sample ID: 160-13469-14

Matrix: Solid Date Received: 08/20/15 09:15 Percent Solids: 90.0

Method: 8260C - Volatile O Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		4.4	0.31	ug/Kg	*	08/23/15 03:00	08/23/15 11:13	1
1,1,1-Trichloroethane	ND		4.4	0.38	ug/Kg	**	08/23/15 03:00	08/23/15 11:13	1
1,1,2,2-Tetrachloroethane	ND	*	4.4	0.35	ug/Kg	**	08/23/15 03:00	08/23/15 11:13	1
1,1,2-Trichloroethane	ND		4.4	0.50	ug/Kg	**	08/23/15 03:00	08/23/15 11:13	- 1
1,1-Dichloroethane	ND		4.4	0.34	ug/Kg	**	08/23/15 03:00	08/23/15 11:13	1
1,1-Dichloroethene	ND		4.4	1.4	ug/Kg	101	08/23/15 03:00	08/23/15 11:13	1
1,2-Dibromo-3-Chloropropane	ND	*	8.8	1.3	ug/Kg	**	08/23/15 03:00	08/23/15 11:13	1
1,2-Dichloroethane	ND		4.4	0.77	ug/Kg	100	08/23/15 03:00	08/23/15 11:13	1
1,2-Dichloropropane	ND		4.4	0.33	ug/Kg	**	08/23/15 03:00	08/23/15 11:13	1
1,3-Dichloropropene, Total	ND		8.8	0.84	ug/Kg	**	08/23/15 03:00	08/23/15 11:13	1
2-Butanone (MEK)	ND		18	1.7	ug/Kg	*	08/23/15 03:00	08/23/15 11:13	1
4-Methyl-2-pentanone (MIBK)	ND		18	0.64	ug/Kg	**	08/23/15 03:00	08/23/15 11:13	1
Acetone	ND		18	5.7	ug/Kg	**	08/23/15 03:00	08/23/15 11:13	1
Benzene	ND		4.4	0.22	ug/Kg	*	08/23/15 03:00	08/23/15 11:13	1
Bromodichloromethane	ND		4.4	0.22	ug/Kg	*	08/23/15 03:00	08/23/15 11:13	1
Bromoform	ND	*	4.4	0.33		*	08/23/15 03:00	08/23/15 11:13	1
Bromomethane	ND		8.8	0.97		**	08/23/15 03:00	08/23/15 11:13	1
Carbon disulfide	ND		4.4	0.61		**	08/23/15 03:00	08/23/15 11:13	1
Carbon tetrachloride	ND		4.4	0.45	ug/Kg	**	08/23/15 03:00	08/23/15 11:13	1
Chlorobenzene	ND		4.4		ug/Kg	**	08/23/15 03:00	08/23/15 11:13	1
Chlorodibromomethane	ND		4.4	0.36	ug/Kg	*	08/23/15 03:00	08/23/15 11:13	- 1
Chloroethane	ND		8.8	0.46	ug/Kg	**	08/23/15 03:00	08/23/15 11:13	1
Chloroform	ND		4.4	0.33	ug/Kg	*	08/23/15 03:00	08/23/15 11:13	1
Chloromethane	ND		8.8	0.57	ug/Kg	**	08/23/15 03:00	08/23/15 11:13	1
cis-1,2-Dichloroethene	ND		4.4	0.53		**	08/23/15 03:00	08/23/15 11:13	1
Ethylbenzene	ND		4.4	0.26	ug/Kg	\$ \$	08/23/15 03:00	08/23/15 11:13	- 1
Hexachlorobutadiene	ND	*	4.4	0.60	ug/Kg	**	08/23/15 03:00	08/23/15 11:13	1
Isobutyl alcohol	ND		180	22	ug/Kg	政	08/23/15 03:00	08/23/15 11:13	1
Methyl tert-butyl ether	ND		4.4	0.42	ug/Kg	故	08/23/15 03:00	08/23/15 11:13	1
Methylene Chloride	ND		4.4		ug/Kg	*	08/23/15 03:00	08/23/15 11:13	1
Styrene	ND		4.4	0.31		**	08/23/15 03:00	08/23/15 11:13	1
Tetrachloroethene	ND		4.4		ug/Kg	*	08/23/15 03:00	08/23/15 11:13	1
Toluene	ND		4.4		ug/Kg	335		08/23/15 11:13	1
trans-1,2-Dichloroethene	ND		4.4		ug/Kg	100		08/23/15 11:13	. 1
Trichloroethene	ND		4.4		ug/Kg	235		08/23/15 11:13	1
Trichlorofluoromethane	ND		4.4		ug/Kg	*	그림 육 하고 경하지 않았다면 때	08/23/15 11:13	1
Vinyl chloride	ND		4.4		ug/Kg	10:		08/23/15 11:13	1
Xylenes, Total	ND		8.8		ug/Kg	*		08/23/15 11:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1.2 Dichloroothone dd (Surr)	444		70 407				00/00/45 00:00	00/00/45 44-40	

1,2-Dichloroethane-d4 (Surr) 111 72 - 127 08/23/15 03:00 08/23/15 11:13 4-Bromofluorobenzene (Surr) 130 * 63 - 150 08/23/15 03:00 08/23/15 11:13 1

TestAmerica St. Louis

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Client: SEMS, Inc.

Project/Site: Camp Minden Baseline Project

Lab Sample ID: 160-13469-14

TestAmerica Job ID: 160-13469-1

Matrix: Solid

Percent Solids: 90.0

Client Sample ID: 2015.08.17.G.5

Date Collected: 08/17/15 14:50 Date Received: 08/20/15 09:15

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

Surrogate	%Recovery	%Recovery Qualifier Limits		Prepared	Analyzed	Dil Fac	
Dibromofluoromethane (Surr)	117		70 - 126	08/23/15 03:00	08/23/15 11:13	1	
Toluene-d8 (Surr)	113		80 - 120	08/23/15 03:00	08/23/15 11:13	1	

Toluene-d8 (Surr)	113		80 - 120				08/23/15 03:00	08/23/15 11:13	1
Method: 8270D - Semivolatil		mpounds Qualifier		MDI	11-24			40200	DU F
1,1'-Biphenyl	ND	Qualifier	360	37	Unit ug/Kg	D	Prepared 08/26/15 12:51	Analyzed 08/29/15 02:18	Dil Fac
1,2,4,5-Tetrachlorobenzene	ND		360	. 37		*		08/29/15 02:18	1
1,2,4-Trichlorobenzene	ND		360			*	08/26/15 12:51		
1,2-Dichlorobenzene	ND			37		ATA	08/26/15 12:51		1
1,3-Dichlorobenzene	ND		360	37	ug/Kg	*	08/26/15 12:51		1
1,3-Dinitrobenzene			360	37	(**	08/26/15 12:51		3
	ND		360	37	ug/Kg	*		08/29/15 02:18	1
1,4-Dichlorobenzene	ND		360	37		**	08/26/15 12:51		1
2,3,4,6-Tetrachlorophenol	ND		1800	37		*	08/26/15 12:51		1
2,4,5-Trichlorophenol	ND		360	37	ug/Kg	**	08/26/15 12:51		1
2,4,6-Trichlorophenol	ND		360	37	ug/Kg	φ.		08/29/15 02:18	1
2,4-Dichlorophenol	ND		360	37	ug/Kg	**	08/26/15 12:51		1
2,4-Dimethylphenol	ND	2	360	37	ug/Kg	**		08/29/15 02:18	1
2,4-Dinitrophenol	ND	3	1800		ug/Kg	**	08/26/15 12:51		1
2,4-Dinitrotoluene	ND		360	37		**	08/26/15 12:51		1
2,6-Dinitrotoluene	ND		360	37		**	08/26/15 12:51		1
2-Chloronaphthalene	ND		360	37	ug/Kg	***	08/26/15 12:51		1
2-Chlorophenol	ND		360	37	ug/Kg	**	08/26/15 12:51	08/29/15 02:18	1
2-Methylnaphthalene	ND		360		ug/Kg	33	08/26/15 12:51	08/29/15 02:18	1
2-Nitroaniline	ND		360	37	ug/Kg	10	08/26/15 12:51	08/29/15 02:18	1
3,3'-Dichlorobenzidine	ND		1800		ug/Kg	100	08/26/15 12:51		1
3-Nitroaniline	ND		360		ug/Kg	**	08/26/15 12:51	08/29/15 02:18	1
4-Nitroaniline	ND		1800		ug/Kg	**	08/26/15 12:51	08/29/15 02:18	1
4-Nitrophenol	ND		1800	360		100	08/26/15 12:51	08/29/15 02:18	1
Acenaphthene	ND		360	37	ug/Kg	**	08/26/15 12:51	08/29/15 02:18	1
Acenaphthylene	ND		360	37	ug/Kg	**	08/26/15 12:51	08/29/15 02:18	1
Aniline	ND		360	66	ug/Kg	**	08/26/15 12:51	08/29/15 02:18	1
Anthracene	ND		360	37	ug/Kg	Þ	08/26/15 12:51	08/29/15 02:18	7
Benzo[a]anthracene	ND		360	37	ug/Kg	**	08/26/15 12:51	08/29/15 02:18	1
Benzo[a]pyrene	ND		360	37	ug/Kg	**	08/26/15 12:51	08/29/15 02:18	1
Benzo[b]fluoranthene	ND		360	37	ug/Kg	**	08/26/15 12:51	08/29/15 02:18	1
Benzo[k]fluoranthene	ND		360	37	ug/Kg	**	08/26/15 12:51	08/29/15 02:18	1
bis (2-chloroisopropyl) ether	ND		360	37	ug/Kg	**	08/26/15 12:51	08/29/15 02:18	1
Bis(2-chloroethyl)ether	ND		360	37	ug/Kg	**	08/26/15 12:51	08/29/15 02:18	1
Bis(2-ethylhexyl) phthalate	ND		360	50	ug/Kg	**	08/26/15 12:51	08/29/15 02:18	1
Butyl benzyl phthalate	ND		360	37	ug/Kg	*	08/26/15 12:51	08/29/15 02:18	1
Chrysene	ND		360	37	ug/Kg	*	08/26/15 12:51	08/29/15 02:18	1
Dibenz(a,h)anthracene	ND		360	37	ug/Kg	305	08/26/15 12:51	08/29/15 02:18	1
Dibenzofuran	ND		360	37	ug/Kg	尊	08/26/15 12:51	08/29/15 02:18	1
Diethyl phthalate	ND		360	37	ug/Kg	**	08/26/15 12:51	08/29/15 02:18	1
Dimethyl phthalate	ND		360	37	ug/Kg	**	08/26/15 12:51	08/29/15 02:18	1
Di-n-butyl phthalate	ND		360	37	ug/Kg	**	08/26/15 12:51	08/29/15 02:18	1
Di-n-octyl phthalate	ND		360	37	ug/Kg	**	08/26/15 12:51	08/29/15 02:18	1
Diphenylamine	ND	*	360	37	ug/Kg	**	08/26/15 12:51	08/29/15 02:18	1
Fluoranthene	ND		360	37	ug/Kg	**	08/26/15 12:51	08/29/15 02:18	1

Client: SEMS, Inc TestAmerica Job ID: 160-13469-1

Project/Site: Camp Minden Baseline Project

Client Sample ID: 2015.08.17.G.5

Date Collected: 08/17/15 14:50 Date Received: 08/20/15 09:15 Lab Sample ID: 160-13469-14

Matrix: Solid

Percent Solids: 90.0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	ND		360	37	ug/Kg	草	08/26/15 12:51	08/29/15 02:18	1
Hexachlorobenzene	ND		360	37	ug/Kg	**	08/26/15 12:51	08/29/15 02:18	1
Hexachlorobutadiene	ND		360	37	ug/Kg	**	08/26/15 12:51	08/29/15 02:18	1
Hexachlorocyclopentadiene	ND		1800	360	ug/Kg	**	08/26/15 12:51	08/29/15 02:18	1
Hexachloroethane	ND		360	37	ug/Kg	4,5	08/26/15 12:51	08/29/15 02:18	1
Indeno[1,2,3-cd]pyrene	ND		360	37	ug/Kg	**	08/26/15 12:51	08/29/15 02:18	1
Isophorone	ND		360	37	ug/Kg	**	08/26/15 12:51	08/29/15 02:18	1
Naphthalene	ND		360	37	ug/Kg	**	08/26/15 12:51	08/29/15 02:18	1
Nitrobenzene	ND		360	37	ug/Kg	325	08/26/15 12:51	08/29/15 02:18	1
N-Nitrosodi-n-propylamine	ND		360	37	ug/Kg	**	08/26/15 12:51	08/29/15 02:18	1
Pentachlorophenol	ND		730	360	ug/Kg	305	08/26/15 12:51	08/29/15 02:18	1
Phenanthrene	ND		360	37	ug/Kg	*	08/26/15 12:51	08/29/15 02:18	1
Phenol	ND		360	37	ug/Kg	**	08/26/15 12:51	08/29/15 02:18	1
Pyrene	ND		360	37	ug/Kg	*	08/26/15 12:51	08/29/15 02:18	1
N-Nitrosodiphenylamine	ND		360	37	ug/Kg	*	08/26/15 12:51	08/29/15 02:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	69		56 - 97				08/26/15 12:51	08/29/15 02:18	1
2-Fluorophenol (Surr)	64		53 - 97				08/26/15 12:51	08/29/15 02:18	1
Nitrobenzene-d5 (Surr)	64		55 - 98				08/26/15 12:51	08/29/15 02:18	1
Phenol-d5 (Surr)	66		54 - 101				08/26/15 12:51	08/29/15 02:18	1
Terphenyl-d14 (Surr)	64		58 - 123				08/26/15 12:51	08/29/15 02:18	1
2,4,6-Tribromophenol (Surr)	74		46-111				08/26/15 12:51	08/29/15 02:18	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	DII Fac
1,3,5-Trinitrobenzene	ND		230	25	ug/Kg		08/24/15 08:38	08/29/15 14:33	1
1,3-Dinitrobenzene	ND		230	40	ug/Kg		08/24/15 08:38	08/29/15 14:33	1
2,4,6-Trinitrotoluene	ND		230	33	ug/Kg		08/24/15 08:38	08/29/15 14:33	1
2,4-Dinitrotoluene	ND		230	34	ug/Kg		08/24/15 08:38	08/29/15 14:33	1
2,6-Dinitrotoluene	ND		230	58	ug/Kg		08/24/15 08:38	08/29/15 14:33	1
2-Amino-4,6-dinitrotoluene	ND		230	39	ug/Kg		08/24/15 08:38	08/29/15 14:33	1
4-Amino-2,6-dinitrotoluene	ND		230	85	ug/Kg		08/24/15 08:38	08/29/15 14:33	1
3-Nitrotoluene	ND		230	51	ug/Kg		08/24/15 08:38	08/29/15 14:33	1
Nitrobenzene	ND		230	39	ug/Kg		08/24/15 08:38	08/29/15 14:33	1
Nitroglycerin	ND		1100	250	ug/Kg		08/24/15 08:38	08/29/15 14:33	1
2-Nitrotoluene	ND		230	59	ug/Kg		08/24/15 08:38	08/29/15 14:33	1
4-Nitrotoluene	ND		230	74	ug/Kg		08/24/15 08:38	08/29/15 14:33	1
PETN	ND		2300	310	ug/Kg		08/24/15 08:38	08/29/15 14:33	1
RDX	ND		230	57	ug/Kg		08/24/15 08:38	08/29/15 14:33	1
HMX	ND		230	35	ug/Kg		08/24/15 08:38	08/29/15 14:33	1
Tetryl	ND		230	42	ug/Kg		08/24/15 08:38	08/29/15 14:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dinitrobenzene (Surr)	106		79 - 120				08/24/15 08:38	08/29/15 14:33	1

Client: SEMS, Inc

1,2,4-Trichlorobenzene

Project/Site: Camp Minden Baseline Project

Client Sample ID: 2015.08.17.DUP #01 Lab Sample ID: 160-13469-15

 Date Collected: 08/17/15 14:50
 Matrix: Solid

 Date Received: 08/20/15 09:15
 Percent Solids: 80.4

Date Received: 08/20/15 09:	WILLIAM TO THE	75. A. V. C				-	-	Percent Solid	as: 80.4
Method: 8260C - Volatile O Analyte		unds by G	C/MS RL	MDI	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	127	4.7	0.33		- *	08/23/15 03:00	The same of the sa	Dirac
1,1,1-Trichloroethane	ND		4.7		ug/Kg	*	08/23/15 03:00		
1,1,2,2-Tetrachloroethane	ND		4.7		ug/Kg	*	08/23/15 03:00		1
1,1,2-Trichloroethane	ND		4.7		ug/Kg	*	08/23/15 03:00		1
1,1-Dichloroethane	ND		4.7		ug/Kg ug/Kg	**	08/23/15 03:00		
1,1-Dichloroethene	ND		4.7	1.5		*	08/23/15 03:00		1
1,2-Dibromo-3-Chloropropane	ND		9.4		ug/Kg	*		08/23/15 11:38	
1,2-Dichloroethane	ND		4.7		ug/Kg ug/Kg	*		08/23/15 11:38	1
1,2-Dichloropropane	ND		4.7		ug/Kg	*		08/23/15 11:38	1
1,3-Dichloropropene, Total	ND		9.4	0.90	Control of the Contro	**		08/23/15 11:38	1
2-Butanone (MEK)	ND		19	1.8	10000000	*			
4-Methyl-2-pentanone (MIBK)	ND		19	0.69	ug/Kg	•		08/23/15 11:38	1
A CONTRACTOR OF STREET OF STREET	16			6.1		*		08/23/15 11:38	1
Acetone Benzene	ND	_	19		0 0	140		08/23/15 11:38	
Bromodichloromethane	ND		4.7		ug/Kg	**		08/23/15 11:38	1
			4.7		ug/Kg	**		08/23/15 11:38	1
Bromoform	ND		4.7		ug/Kg	**		08/23/15 11:38	1
Bromomethane	ND		9.4		ug/Kg	***		08/23/15 11:38	1
Carbon disulfide	ND		4.7		ug/Kg	**		08/23/15 11:38	1
Carbon tetrachloride	ND		4.7	0.48		**		08/23/15 11:38	1
Chlorobenzene	ND		4.7			**		08/23/15 11:38	1
Chlorodibromomethane	ND		4.7	0.39	ug/Kg	**		08/23/15 11:38	1
Chloroethane	ND		9.4	0.49	ug/Kg	22		08/23/15 11:38	1
Chloroform	ND		4.7		ug/Kg	**		08/23/15 11:38	1
Chloromethane	ND		9.4		ug/Kg	*		08/23/15 11:38	1
cis-1,2-Dichloroethene	ND		4.7	0.57	-	*		08/23/15 11:38	1
Ethylbenzene	ND	19.	4.7		ug/Kg	325		08/23/15 11:38	1
Hexachlorobutadiene	ND	*	4.7	10.00	ug/Kg	**		08/23/15 11:38	1
Isobutyl alcohol	ND		190		ug/Kg	826	08/23/15 03:00	08/23/15 11:38	1
Methyl tert-butyl ether	ND		4.7		ug/Kg	**	08/23/15 03:00	08/23/15 11:38	1
Methylene Chloride	ND		4.7		ug/Kg	鉄	08/23/15 03:00	08/23/15 11:38	1
Styrene	ND		4.7		ug/Kg	**	08/23/15 03:00	08/23/15 11:38	1
Tetrachloroethene	ND		4.7	0.30	ug/Kg	**	08/23/15 03:00	08/23/15 11:38	1
Toluene	ND		4.7	0.66	ug/Kg	禁	08/23/15 03:00	08/23/15 11:38	1
trans-1,2-Dichloroethene	ND		4.7	0.89	ug/Kg	鉄	08/23/15 03:00	08/23/15 11:38	1
Trichloroethene	ND		4.7	0.37	ug/Kg	禁	08/23/15 03:00	08/23/15 11:38	1
Trichlorofluoromethane	ND		4.7	0.47	ug/Kg	**	08/23/15 03:00	08/23/15 11:38	1
Vinyl chloride	ND		4.7	0.41	ug/Kg	*	08/23/15 03:00	08/23/15 11:38	1
Xylenes, Total	ND		9.4	0.80	ug/Kg	**	08/23/15 03:00	08/23/15 11:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	115		72 - 127				08/23/15 03:00	08/23/15 11:38	1
4-Bromofluorobenzene (Surr)	133	*	63 - 150				08/23/15 03:00		1
Dibromofluoromethane (Surr)	117		70 - 126					08/23/15 11:38	1
Toluene-d8 (Surr)	119		80 - 120				08/23/15 03:00	08/23/15 11:38	1
Method: 8270D - Semivolat				5.5.6	22.20				
Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		410		ug/Kg	***	08/26/15 12:51	08/29/15 02:50	1
1,2,4,5-Tetrachlorobenzene	ND		410	41	ug/Kg	*	08/26/15 12:51	08/29/15 02:50	1
	2.00		4.4.4	2.0	111111111111111111111111111111111111111	44.	THE CASE OF STREET	THE RESERVE AND ADDRESS OF THE PARTY OF THE	

TestAmerica St. Louis

☼ 08/26/15 12:51 08/29/15 02:50

TestAmerica Job ID: 160-13469-1

410

41 ug/Kg

ND

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

Client Sample ID: 2015.08.17.DUP #01

Date Collected: 08/17/15 14:50 Date Received: 08/20/15 09:15 Lab Sample ID: 160-13469-15 Matrix: Solid

Percent Solids: 80.4

Method: 8270D - Semivolatil Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
1,2-Dichlorobenzene	ND		410	41	ug/Kg	27	08/26/15 12:51	08/29/15 02:50	
1,3-Dichlorobenzene	ND		410	41	ug/Kg	**	08/26/15 12:51	08/29/15 02:50	
1,3-Dinitrobenzene	ND		410	41	ug/Kg	Ø	08/26/15 12:51	08/29/15 02:50	
1,4-Dichlorobenzene	ND		410	41	ug/Kg	*	08/26/15 12:51	08/29/15 02:50	
2,3,4,6-Tetrachlorophenol	ND		2000	41	ug/Kg	尊	08/26/15 12:51	08/29/15 02:50	
2,4,5-Trichlorophenol	ND		410	41	ug/Kg	*	08/26/15 12:51	08/29/15 02:50	
2,4,6-Trichlorophenol	ND		410	41	ug/Kg	*	08/26/15 12:51	08/29/15 02:50	
2,4-Dichlorophenol	ND		410	41	ug/Kg	拉	08/26/15 12:51	08/29/15 02:50	
2,4-Dimethylphenol	ND		410	41	ug/Kg	**	08/26/15 12:51	08/29/15 02:50	
2,4-Dinitrophenol	ND	*	2000	410	ug/Kg	*	08/26/15 12:51	08/29/15 02:50	
2,4-Dinitrotoluene	ND		410	41	ug/Kg	尊	08/26/15 12:51	08/29/15 02:50	
2,6-Dinitrotoluene	ND		410	41	ug/Kg	**	08/26/15 12:51	08/29/15 02:50	
2-Chloronaphthalene	ND		410	41	ug/Kg	**	08/26/15 12:51	08/29/15 02:50	
2-Chlorophenol	ND		410	41	ug/Kg	群	08/26/15 12:51	08/29/15 02:50	
2-Methylnaphthalene	ND		410	41	ug/Kg	**	08/26/15 12:51	08/29/15 02:50	1 9
2-Nitroaniline	ND		410	41	ug/Kg	**	08/26/15 12:51	08/29/15 02:50	
3,3'-Dichlorobenzidine	ND		2000	410	7.00	*	08/26/15 12:51	08/29/15 02:50	
3-Nitroaniline	ND		410	41	ug/Kg	122	08/26/15 12:51	08/29/15 02:50	
4-Nitroaniline	ND		2000	410		*	08/26/15 12:51		
4-Nitrophenol	ND		2000	410	ug/Kg	**	08/26/15 12:51		
Acenaphthene	ND		410	41	ug/Kg	**	08/26/15 12:51	08/29/15 02:50	
Acenaphthylene	ND		410	41	ug/Kg	**	08/26/15 12:51		
Aniline	ND		410	74		**	08/26/15 12:51	3500 2000 2000 2500 250	
Anthracene	ND		410	41	ug/Kg	**	08/26/15 12:51		
Benzo[a]anthracene	ND		410	41	ug/Kg	*	08/26/15 12:51	08/29/15 02:50	
Benzo[a]pyrene	ND		410	41	ug/Kg	*	08/26/15 12:51		
Benzo[b]fluoranthene	ND		410	41	ug/Kg	*	08/26/15 12:51		
Benzo[k]fluoranthene	ND		410	41	ug/Kg	*	08/26/15 12:51		
bis (2-chloroisopropyl) ether	ND		410	41	ug/Kg	*	08/26/15 12:51	08/29/15 02:50	
Bis(2-chloroethyl)ether	ND		410	42	200	*	08/26/15 12:51		
Bis(2-ethylhexyl) phthalate	ND		410	56		*	08/26/15 12:51		
Butyl benzyl phthalate	ND		410	41		*	08/26/15 12:51	08/29/15 02:50	
Chrysene	ND		410	41	ug/Kg	*	08/26/15 12:51		
Dibenz(a,h)anthracene	ND		410	41	ug/Kg	**	08/26/15 12:51		
Dibenzofuran	ND		410	41		*		08/29/15 02:50	
Diethyl phthalate	ND		410			**	08/26/15 12:51		
				41	and the same of th	*	08/26/15 12:51		
Dimethyl phthalate	ND ND		410 410	41	ug/Kg	*			
Di-n-butyl phthalate				41		100	08/26/15 12:51		
Di-n-octyl phthalate	ND ND	4	410	41	100 March 1980	32		08/29/15 02:50	
Diphenylamine		7	410	41	(C) Z(A) Z(A)	135		08/29/15 02:50	
Fluoranthene	ND		410	41	ug/Kg	325		08/29/15 02:50	
Fluorene	ND		410	41		**	08/26/15 12:51		
Hexachlorobenzene	ND		410	41		*		08/29/15 02:50	
Hexachlorobutadiene	ND		410	41		**		08/29/15 02:50	
Hexachlorocyclopentadiene	ND		2000	410		p		08/29/15 02:50	
Hexachloroethane	ND		410	41		**		08/29/15 02:50	
Indeno[1,2,3-cd]pyrene	ND		410	41		**		08/29/15 02:50	
Isophorone	ND		410	41	(F) (C) (F)	Þ	08/26/15 12:51		
Naphthalene	ND		410	41	ug/Kg	10	08/26/15 12:51	08/29/15 02:50	

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

Lab Sample ID: 160-13469-15

TestAmerica Job ID: 160-13469-1

Matrix: Solid

Matrix: Solid Percent Solids: 80.4

Client Sample ID: 2015.08.17.DUP #01

Date Collected: 08/17/15 14:50 Date Received: 08/20/15 09:15

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

Analyte	Result Qua	alifier RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	ND	410	41	ug/Kg	- ±	08/26/15 12:51	08/29/15 02:50	1
N-Nitrosodi-n-propylamine	ND	410	41	ug/Kg	*	08/26/15 12:51	08/29/15 02:50	1
Pentachlorophenol	ND	820	410	ug/Kg	*	08/26/15 12:51	08/29/15 02:50	1
Phenanthrene	ND	410	41	ug/Kg	**	08/26/15 12:51	08/29/15 02:50	1
Phenol	ND	410	41	ug/Kg	*	08/26/15 12:51	08/29/15 02:50	1
Pyrene	ND	410	41	ug/Kg	**	08/26/15 12:51	08/29/15 02:50	1
N-Nitrosodiphenylamine	ND	410	41	ug/Kg	335	08/26/15 12:51	08/29/15 02:50	1

Surrogate	%Recovery Qualifier	Limits	Prepared Ana	alyzed Dil Fac
2-Fluorobiphenyl (Surr)	73	56 - 97	08/26/15 12:51 08/29/	/15 02:50 1
2-Fluorophenol (Surr)	67	53 - 97	08/26/15 12:51 08/29/	15 02:50 1
Nitrobenzene-d5 (Surr)	68	55 - 98	08/26/15 12:51 08/29/	15 02:50 1
Phenol-d5 (Surr)	69	54 - 101	08/26/15 12:51 08/29/	15 02:50 1
Terphenyl-d14 (Surr)	66	58 - 123	08/26/15 12:51 08/29/	15 02:50 1
2,4,6-Tribromophenol (Surr)	82	46-111	08/26/15 12:51 08/29/	15 02:50 1

Method:	8330B -	Nitroaromatics	and N	itramines	(HPLC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trinitrobenzene	ND		230	25	ug/Kg	_	08/24/15 08:38	08/29/15 14:56	1
1,3-Dinitrobenzene	ND		230	40	ug/Kg		08/24/15 08:38	08/29/15 14:56	1
2,4,6-Trinitrotoluene	ND		230	33	ug/Kg		08/24/15 08:38	08/29/15 14:56	1
2,4-Dinitrotoluene	ND		230	35	ug/Kg		08/24/15 08:38	08/29/15 14:56	1
2,6-Dinitrotoluene	ND		230	59	ug/Kg		08/24/15 08:38	08/29/15 14:56	1
2-Amino-4,6-dinitrotoluene	ND		230	40	ug/Kg		08/24/15 08:38	08/29/15 14:56	1
4-Amino-2,6-dinitrotoluene	ND		230	86	ug/Kg		08/24/15 08:38	08/29/15 14:56	1
3-Nitrotoluene	ND		230	51	ug/Kg		08/24/15 08:38	08/29/15 14:56	1
Nitrobenzene	ND		230	40	ug/Kg		08/24/15 08:38	08/29/15 14:56	1
Nitroglycerin	ND		1200	250	ug/Kg		08/24/15 08:38	08/29/15 14:56	1
2-Nitrotoluene	ND		230	60	ug/Kg		08/24/15 08:38	08/29/15 14:56	1
4-Nitrotoluene	ND		230	75	ug/Kg		08/24/15 08:38	08/29/15 14:56	1
PETN	ND		2300	320	ug/Kg		08/24/15 08:38	08/29/15 14:56	1
RDX	ND		230	57	ug/Kg		08/24/15 08:38	08/29/15 14:56	1
HMX	ND		230	36	ug/Kg		08/24/15 08:38	08/29/15 14:56	1
Tetryl	ND		230	42	ug/Kg		08/24/15 08:38	08/29/15 14:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dinitrobenzene (Surr)	101		79 - 120				08/24/15 08:38	08/29/15 14:56	1

Client Sample ID: 2015.08.17.H-4

Date Collected: 08/17/15 15:00 Date Received: 08/20/15 09:15 Lab Sample ID: 160-13469-16

Matrix: Solid

Percent Solids: 78.0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	7777	5.1	0.35	ug/Kg	Ø	08/23/15 03:00	08/23/15 06:15	1
1,1,1-Trichloroethane	ND	F2	5.1	0.44	ug/Kg	故	08/23/15 03:00	08/23/15 06:15	1
1,1,2,2-Tetrachloroethane	ND	*	5.1	0.41	ug/Kg	故	08/23/15 03:00	08/23/15 06:15	1
1,1,2-Trichloroethane	ND		5.1	0.58	ug/Kg	口	08/23/15 03:00	08/23/15 06:15	1
1,1-Dichloroethane	ND		5.1	0.40	ug/Kg	**	08/23/15 03:00	08/23/15 06:15	1
1,1-Dichloroethene	ND		5.1	1.6	ug/Kg	*	08/23/15 03:00	08/23/15 06:15	1

Client: SEMS, Inc

Toluene-d8 (Surr)

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

Client Sample ID: 2015.08.17.H-4

Date Collected: 08/17/15 15:00 Date Received: 08/20/15 09:15

Lab Sample ID: 160-13469-16 Matrix: Solid

Percent Solids: 78.0

Method: 8260C - Volatile O Analyte		Qualifier	RL	The state of the s	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND	*	10	1.5	ug/Kg	33	08/23/15 03:00	08/23/15 06:15	1
1,2-Dichloroethane	ND		5.1	0.88	ug/Kg		08/23/15 03:00	08/23/15 06:15	1
1,2-Dichloropropane	ND		5.1	0.38	ug/Kg	蚊	08/23/15 03:00	08/23/15 06:15	1
1,3-Dichloropropene, Total	ND		10	0.96	ug/Kg	益	08/23/15 03:00	08/23/15 06:15	1
2-Butanone (MEK)	ND		20	1.9	ug/Kg	**	08/23/15 03:00	08/23/15 06:15	1
4-Methyl-2-pentanone (MIBK)	ND		20	0.74	ug/Kg	10	08/23/15 03:00	08/23/15 06:15	1
Acetone	ND		20	6.6	ug/Kg	尊	08/23/15 03:00	08/23/15 06:15	1
Benzene	ND	F2	5.1	0.25	ug/Kg	**	08/23/15 03:00	08/23/15 06:15	1
Bromodichloromethane	ND		5.1	0.25	ug/Kg	**	08/23/15 03:00	08/23/15 06:15	1
Bromoform	ND	*	5.1	0.37	ug/Kg		08/23/15 03:00	08/23/15 06:15	1
Bromomethane	ND		10	1.1	ug/Kg	尊	08/23/15 03:00	08/23/15 06:15	1
Carbon disulfide	ND		5.1	0.70	ug/Kg	*	08/23/15 03:00	08/23/15 06:15	1
Carbon tetrachloride	ND	F2	5.1	0.52	ug/Kg	*	08/23/15 03:00	08/23/15 06:15	1
Chlorobenzene	ND	F2	5.1	0.38	ug/Kg	**	08/23/15 03:00	08/23/15 06:15	1
Chlorodibromomethane	ND		5.1	0.42	ug/Kg	*	08/23/15 03:00	08/23/15 06:15	1
Chloroethane	ND		10	0.53	ug/Kg	*	08/23/15 03:00	08/23/15 06:15	1
Chloroform	ND		5.1	0.38	ug/Kg	*	08/23/15 03:00	08/23/15 06:15	1
Chloromethane	ND		10	0.66	ug/Kg	325	08/23/15 03:00	08/23/15 06:15	1
cis-1,2-Dichloroethene	ND		5.1	0.61	ug/Kg	*	08/23/15 03:00	08/23/15 06:15	1
Ethylbenzene	ND	F2	5.1	0.30	ug/Kg	*	08/23/15 03:00	08/23/15 06:15	1
Hexachlorobutadiene	ND	F2 *	5.1	0.69	ug/Kg	*	08/23/15 03:00	08/23/15 06:15	1
Isobutyl alcohol	ND		200	26	ug/Kg	**	08/23/15 03:00	08/23/15 06:15	1
Methyl tert-butyl ether	ND		5.1	0.49	ug/Kg	*	08/23/15 03:00	08/23/15 06:15	1
Methylene Chloride	ND		5.1	1.6	ug/Kg	125	08/23/15 03:00	08/23/15 06:15	1
Styrene	ND		5.1	0.35	ug/Kg	袋	08/23/15 03:00	08/23/15 06:15	1
Tetrachloroethene	ND	F2	5.1	0.32	ug/Kg	**	08/23/15 03:00	08/23/15 06:15	1
Toluene	ND	F2	5.1	0.71	ug/Kg	**	08/23/15 03:00	08/23/15 06:15	1
trans-1,2-Dichloroethene	ND		5.1	0.95	ug/Kg	*	08/23/15 03:00	08/23/15 06:15	1
Trichloroethene	ND	F2	5.1	0.40	ug/Kg	*	08/23/15 03:00	08/23/15 06:15	1
Trichlorofluoromethane	ND		5.1	0.51	ug/Kg	**	08/23/15 03:00	08/23/15 06:15	1
Vinyl chloride	ND		5.1	0.44	ug/Kg	*	08/23/15 03:00	08/23/15 06:15	1
Xylenes, Total	0.92	JF2	10	0.86	ug/Kg	**	08/23/15 03:00	08/23/15 06:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	137	X	72 - 127				08/23/15 03:00	08/23/15 06:15	1
4-Bromofluorobenzene (Surr)	189	X*	63 - 150				08/23/15 03:00	08/23/15 06:15	1
Dibromofluoromethane (Surr)	128	X	70 - 126				08/23/15 03:00	08/23/15 06:15	1
COLOR OF THE PROPERTY OF THE P		170							

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		420	42	ug/Kg	*	08/26/15 12:51	08/29/15 03:23	1
1,2,4,5-Tetrachlorobenzene	ND		420	42	ug/Kg	**	08/26/15 12:51	08/29/15 03:23	1
1,2,4-Trichlorobenzene	ND		420	42	ug/Kg	禁	08/26/15 12:51	08/29/15 03:23	1
1,2-Dichlorobenzene	ND		420	42	ug/Kg	*	08/26/15 12:51	08/29/15 03:23	1
1,3-Dichlorobenzene	ND		420	42	ug/Kg	益	08/26/15 12:51	08/29/15 03:23	1
1,3-Dinitrobenzene	ND		420	42	ug/Kg	尊	08/26/15 12:51	08/29/15 03:23	1
1,4-Dichlorobenzene	ND		420	42	ug/Kg	尊	08/26/15 12:51	08/29/15 03:23	1
2,3,4,6-Tetrachlorophenol	ND		2000	42	ug/Kg	*	08/26/15 12:51	08/29/15 03:23	1
2,4,5-Trichlorophenol	ND		420	42	ug/Kg	335	08/26/15 12:51	08/29/15 03:23	1

80 - 120

139 X

TestAmerica St. Louis

08/23/15 03:00 08/23/15 06:15

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

Client Sample ID: 2015.08.17.H-4

Date Collected: 08/17/15 15:00 Date Received: 08/20/15 09:15 Lab Sample ID: 160-13469-16

TestAmerica Job ID: 160-13469-1

Matrix: Solid

Percent Solids: 78.0

Method: 8270D - Semivolati Analyte		Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fa
2,4,6-Trichlorophenol	ND	2000000	420	42	ug/Kg	— <u>\$</u>	08/26/15 12:51	08/29/15 03:23	
2,4-Dichlorophenol	ND		420	42	ug/Kg	*	08/26/15 12:51	08/29/15 03:23	
2,4-Dimethylphenol	ND		420	42	ug/Kg	325	08/26/15 12:51	08/29/15 03:23	
2,4-Dinitrophenol	ND	*	2000	420	ug/Kg	**	08/26/15 12:51	08/29/15 03:23	H
2,4-Dinitrotoluene	ND		420	42	ug/Kg	**	08/26/15 12:51	08/29/15 03:23	
2,6-Dinitrotoluene	ND		420			*	08/26/15 12:51	08/29/15 03:23	
2-Chloronaphthalene	ND		420	42	ug/Kg	**	08/26/15 12:51	08/29/15 03:23	
2-Chlorophenol	ND		420	42	ug/Kg	*	08/26/15 12:51	08/29/15 03:23	d-
2-Methylnaphthalene	ND		420		ug/Kg	*	08/26/15 12:51	08/29/15 03:23	
2-Nitroaniline	ND		420		ug/Kg	*	08/26/15 12:51	08/29/15 03:23	1
3,3'-Dichlorobenzidine	ND		2000		ug/Kg	**	08/26/15 12:51	08/29/15 03:23	
3-Nitroaniline	ND		420		ug/Kg	*	08/26/15 12:51	08/29/15 03:23	
1-Nitroaniline	ND		2000	420	ug/Kg	*	08/26/15 12:51	08/29/15 03:23	
I-Nitrophenol	ND		2000	420	ug/Kg	*	08/26/15 12:51	08/29/15 03:23	
Acenaphthene	ND		420	42	ug/Kg	100	08/26/15 12:51	^^^	
Acenaphthylene	ND		420	42	ug/Kg	ø	08/26/15 12:51		
Aniline	ND		420	76	ug/Kg	Ø	08/26/15 12:51		
Anthracene	ND		420	42	ug/Kg	Ø	08/26/15 12:51	08/29/15 03:23	
Benzo[a]anthracene	ND		420		ug/Kg	*	08/26/15 12:51	08/29/15 03:23	
Benzo[a]pyrene	ND		420		ug/Kg	**	08/26/15 12:51	08/29/15 03:23	
Benzo[b]fluoranthene	ND		420		ug/Kg ug/Kg	*	08/26/15 12:51	08/29/15 03:23	
enzo[k]fluoranthene	ND	E4	420	42	ug/Kg	*	08/26/15 12:51	08/29/15 03:23	
is (2-chloroisopropyl) ether	ND	27	420			*			
					ug/Kg	100	08/26/15 12:51	08/29/15 03:23	
lis(2-chloroethyl)ether	ND		420	42	ug/Kg	**	08/26/15 12:51	08/29/15 03:23	
lis(2-ethylhexyl) phthalate	ND		420	57	ug/Kg	**	08/26/15 12:51	08/29/15 03:23	
utyl benzyl phthalate	ND		420	42	ug/Kg	**	08/26/15 12:51	08/29/15 03:23	
Chrysene	ND		420		ug/Kg	**	08/26/15 12:51	08/29/15 03:23	
Dibenz(a,h)anthracene	ND		420		ug/Kg	**	08/26/15 12:51	08/29/15 03:23	- 43
Dibenzofuran	ND		420		ug/Kg	**	08/26/15 12:51	08/29/15 03:23	
Diethyl phthalate	ND		420	42	ug/Kg	**	08/26/15 12:51	08/29/15 03:23	1
limethyl phthalate	ND		420		ug/Kg	100	08/26/15 12:51	08/29/15 03:23	1
i-n-butyl phthalate	ND		420		ug/Kg	•	08/26/15 12:51	08/29/15 03:23	1
i-n-octyl phthalate	ND	2	420	42	ug/Kg	**	08/26/15 12:51	08/29/15 03:23	1
Piphenylamine	ND	•	420	42	ug/Kg	*	08/26/15 12:51	08/29/15 03:23	
luoranthene	ND		420		ug/Kg	*	08/26/15 12:51	08/29/15 03:23	1
luorene	ND		420		ug/Kg	**	08/26/15 12:51	08/29/15 03:23	1
lexachlorobenzene	ND		420		ug/Kg	**	08/26/15 12:51	08/29/15 03:23	1
lexachlorobutadiene	ND		420		ug/Kg	**	08/26/15 12:51	08/29/15 03:23	1
lexachlorocyclopentadiene	ND		2000		ug/Kg	*	08/26/15 12:51	08/29/15 03:23	1
lexachloroethane	ND		420		ug/Kg	*	08/26/15 12:51	08/29/15 03:23	1
ndeno[1,2,3-cd]pyrene	ND		420	42	ug/Kg	**	08/26/15 12:51	08/29/15 03:23	1
sophorone	ND		420	42	ug/Kg	*	08/26/15 12:51	08/29/15 03:23	1
laphthalene	ND		420	42	ug/Kg	蕁	08/26/15 12:51	08/29/15 03:23	1
litrobenzene	ND		420	42	ug/Kg	**	08/26/15 12:51	08/29/15 03:23	1
I-Nitrosodi-n-propylamine	ND		420	42	ug/Kg	章	08/26/15 12:51	08/29/15 03:23	1
entachlorophenol	ND		840		ug/Kg	鉄	08/26/15 12:51	08/29/15 03:23	1
henanthrene	ND		420	42	ug/Kg	*	08/26/15 12:51	08/29/15 03:23	1
henol	ND		420		ug/Kg	*	08/26/15 12:51	08/29/15 03:23	1
yrene	ND		420		ug/Kg	*	08/26/15 12:51	08/29/15 03:23	1

Client: SEMS, Inc

1,2-Dinitrobenzene (Surr)

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

Client Sample ID: 2015.08.17.H-4

Date Collected: 08/17/15 15:00 Date Received: 08/20/15 09:15 Lab Sample ID: 160-13469-16

Matrix: Solid

Percent Solids: 78.0

Method: 8270D - Semivo Analyte		mpounds Qualifier	7		•				DU 5-
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
N-Nitrosodiphenylamine	ND		420	42	ug/Kg	*	08/26/15 12:51	08/29/15 03:23	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
2-Fluorobiphenyl (Surr)	72		56 - 97				08/26/15 12:51	08/29/15 03:23	

Surrogate	76Recovery Qualifier	Limits	Prepared	Analyzea	DII rac
2-Fluorobiphenyl (Surr)	72	56 - 97	08/26/15 12:51	08/29/15 03:23	1
2-Fluorophenol (Surr)	67	53 - 97	08/26/15 12:51	08/29/15 03:23	1
Nitrobenzene-d5 (Surr)	67	55 - 98	08/26/15 12:51	08/29/15 03:23	1
Phenol-d5 (Surr)	69	54 - 101	08/26/15 12:51	08/29/15 03:23	1
Terphenyl-d14 (Surr)	66	58 - 123	08/26/15 12:51	08/29/15 03:23	1
2,4,6-Tribromophenol (Surr)	80	46 - 111	08/26/15 12:51	08/29/15 03:23	1

Method: 8330B - Nitroaromatics and Nitramines (HPLC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	DII Fac
1,3,5-Trinitrobenzene	ND		240	26	ug/Kg		08/24/15 08:38	08/29/15 15:19	1
1,3-Dinitrobenzene	ND		240	41	ug/Kg		08/24/15 08:38	08/29/15 15:19	1
2,4,6-Trinitrotoluene	ND		240	34	ug/Kg		08/24/15 08:38	08/29/15 15:19	1
2,4-Dinitrotoluene	ND		240	36	ug/Kg		08/24/15 08:38	08/29/15 15:19	1
2,6-Dinitrotoluene	ND		240	61	ug/Kg		08/24/15 08:38	08/29/15 15:19	1
2-Amino-4,6-dinitrotoluene	ND		240	41	ug/Kg		08/24/15 08:38	08/29/15 15:19	1
4-Amino-2,6-dinitrotoluene	ND		240	89	ug/Kg		08/24/15 08:38	08/29/15 15:19	1
3-Nitrotoluene	ND		240	53	ug/Kg		08/24/15 08:38	08/29/15 15:19	1
Nitrobenzene	ND		240	41	ug/Kg		08/24/15 08:38	08/29/15 15:19	1
Nitroglycerin	ND		1200	260	ug/Kg		08/24/15 08:38	08/29/15 15:19	1
2-Nitrotoluene	ND		240	62	ug/Kg		08/24/15 08:38	08/29/15 15:19	1
4-Nitrotoluene	ND		240	77	ug/Kg		08/24/15 08:38	08/29/15 15:19	1
PETN	ND		2400	330	ug/Kg		08/24/15 08:38	08/29/15 15:19	1
RDX	ND		240	59	ug/Kg		08/24/15 08:38	08/29/15 15:19	1
HMX	ND		240	37	ug/Kg		08/24/15 08:38	08/29/15 15:19	1
Tetryl	ND	F1	240	44	ug/Kg		08/24/15 08:38	08/29/15 15:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

Client Sample ID: 2015.08.17.15 Lab Sample ID: 160-13469-17

79 - 120

Date Collected: 08/17/15 16:00
Date Received: 08/20/15 09:15

101

Matrix: Solid Percent Solids: 86.7

08/24/15 08:38 08/29/15 15:19

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	-	4.6	0.32	ug/Kg	Ď.	08/23/15 03:00	08/23/15 12:03	1
1,1,1-Trichloroethane	ND		4.6	0.39	ug/Kg	*	08/23/15 03:00	08/23/15 12:03	1
1,1,2,2-Tetrachloroethane	ND	*	4.6	0.37	ug/Kg	**	08/23/15 03:00	08/23/15 12:03	1
1,1,2-Trichloroethane	ND		4.6	0.52	ug/Kg	数	08/23/15 03:00	08/23/15 12:03	1
1,1-Dichloroethane	ND		4.6	0.36	ug/Kg	**	08/23/15 03:00	08/23/15 12:03	1
1,1-Dichloroethene	ND		4.6	1.5	ug/Kg	*	08/23/15 03:00	08/23/15 12:03	1
1,2-Dibromo-3-Chloropropane	ND	*	9.2	1.3	ug/Kg	禁	08/23/15 03:00	08/23/15 12:03	1
1,2-Dichloroethane	ND		4.6	0.80	ug/Kg	口口	08/23/15 03:00	08/23/15 12:03	1
1,2-Dichloropropane	ND		4.6	0.35	ug/Kg	*	08/23/15 03:00	08/23/15 12:03	1
1,3-Dichloropropene, Total	ND		9.2	0.87	ug/Kg	*	08/23/15 03:00	08/23/15 12:03	1
2-Butanone (MEK)	ND		18	1.8	ug/Kg	**	08/23/15 03:00	08/23/15 12:03	1
4-Methyl-2-pentanone (MIBK)	ND		18	0.67		**	08/23/15 03:00	08/23/15 12:03	1

Client: SEMS, Inc.

Xylenes, Total

Project/Site: Camp Minden Baseline Project

Client Sample ID: 2015.08.17.15

Lab Sample ID: 160-13469-17

TestAmerica Job ID: 160-13469-1

Matrix: Solid Percent Solids: 86.7

Date Collected: 08/17/15 16:00 Date Received: 08/20/15 09:15

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued) Analyte Result Qualifier MDL Unit D Prepared Analyzed Dil Fac Acetone 18 章 27 5.9 ug/Kg 08/23/15 03:00 08/23/15 12:03 Benzene ND 4.6 0.23 ug/Kg 08/23/15 03:00 08/23/15 12:03 1 Bromodichloromethane ND 4.6 0.23 ug/Kg 08/23/15 03:00 08/23/15 12:03 1 Bromoform ND 4.6 0.34 ug/Kg 08/23/15 03:00 08/23/15 12:03 Bromomethane ND 9.2 尊 1.0 ug/Kg 08/23/15 03:00 08/23/15 12:03 Carbon disulfide ND 4.6 0.63 ug/Kg 08/23/15 03:00 08/23/15 12:03 Carbon tetrachloride ND 4.6 08/23/15 12:03 0.47 ug/Kg 08/23/15 03:00 Chlorobenzene ND 4.6 0.35 ug/Kg 08/23/15 03:00 08/23/15 12:03 Chlorodibromomethane ND 4.6 ug/Kg 08/23/15 03:00 0.38 08/23/15 12:03 Chloroethane ND 9.2 0.48 ug/Kg 08/23/15 03:00 08/23/15 12:03 Chloroform 08/23/15 12:03 ND 4.6 0.35 ug/Kg 08/23/15 03:00 Chloromethane ND 9.2 0.60 ug/Kg 08/23/15 03:00 08/23/15 12:03 cis-1,2-Dichloroethene ND 4.6 0.55 ug/Kg 08/23/15 03:00 08/23/15 12:03 Ethylbenzene ND 4.6 0.28 ug/Kg 08/23/15 03:00 08/23/15 12:03 Hexachlorobutadiene ND 4.6 0.62 ug/Kg 08/23/15 03:00 08/23/15 12:03 Isobutyl alcohol ND 180 23 ug/Kg 08/23/15 03:00 08/23/15 12:03 Methyl tert-butyl ether ND 4.6 0.44 ug/Kg 08/23/15 03:00 08/23/15 12:03 Methylene Chloride ND 4.6 袋 08/23/15 12:03 1.5 ug/Kg 08/23/15 03:00 Styrene ND 4.6 0.32 08/23/15 03:00 ug/Kg 08/23/15 12:03 1 Tetrachloroethene ND 4.6 ug/Kg 08/23/15 03:00 0.29 08/23/15 12:03 1 Toluene ND 4.6 0.64 ug/Kg 08/23/15 03:00 08/23/15 12:03 1 trans-1,2-Dichloroethene ND 4.6 0.86 ug/Kg 袋 08/23/15 03:00 08/23/15 12:03 1 Trichloroethene ND 4.6 0.36 ug/Kg 08/23/15 03:00 08/23/15 12:03 Trichlorofluoromethane ND 4.6 0.46 ug/Kg 08/23/15 03:00 08/23/15 12:03 Vinyl chloride ND 4.6 08/23/15 03:00 0.39 ug/Kg 08/23/15 12:03

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		72 - 127	08/23/15 03:00	08/23/15 12:03	1
4-Bromofluorobenzene (Surr)	145	*	63 - 150	08/23/15 03:00	08/23/15 12:03	1
Dibromofluoromethane (Surr)	106		70 - 126	08/23/15 03:00	08/23/15 12:03	1
Toluene-d8 (Surr)	114		80 - 120	08/23/15 03:00	08/23/15 12:03	1

9.2

0.78 ug/Kg

08/23/15 03:00

08/23/15 12:03

Method: 92700 - Seminolatile Organia Compounds (CC/MC)

ND

Analyte	Result C	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		380	38	ug/Kg	Ø	08/31/15 10:17	09/02/15 11:14	1
1,2,4,5-Tetrachlorobenzene	ND		380	38	ug/Kg	**	08/31/15 10:17	09/02/15 11:14	1
1,2,4-Trichlorobenzene	ND		380	38	ug/Kg	数	08/31/15 10:17	09/02/15 11:14	1
1,2-Dichlorobenzene	ND		380	38	ug/Kg	Ø	08/31/15 10:17	09/02/15 11:14	1
1,3-Dichlorobenzene	ND		380	38	ug/Kg	**	08/31/15 10:17	09/02/15 11:14	1
1,3-Dinitrobenzene	ND		380	38	ug/Kg	廿	08/31/15 10:17	09/02/15 11:14	d
1,4-Dichlorobenzene	ND		380	38	ug/Kg	口口	08/31/15 10:17	09/02/15 11:14	1
2,3,4,6-Tetrachlorophenol	ND		1800	38	ug/Kg	*	08/31/15 10:17	09/02/15 11:14	1
2,4,5-Trichlorophenol	ND		380	38	ug/Kg	故	08/31/15 10:17	09/02/15 11:14	1
2,4,6-Trichlorophenol	ND		380	38	ug/Kg	**	08/31/15 10:17	09/02/15 11:14	- 1
2,4-Dichlorophenol	ND		380	38	ug/Kg	*	08/31/15 10:17	09/02/15 11:14	1
2,4-Dimethylphenol	ND		380	38	ug/Kg	尊	08/31/15 10:17	09/02/15 11:14	1
2,4-Dinitrophenol	ND		1800	380	ug/Kg	尊	08/31/15 10:17	09/02/15 11:14	1
2,4-Dinitrotoluene	ND		380	38	ug/Kg	尊	08/31/15 10:17	09/02/15 11:14	1
2,6-Dinitrotoluene	ND		380	38	ug/Kg	⇔	08/31/15 10:17	09/02/15 11:14	1

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

Client Sample ID: 2015.08.17.15

Date Collected: 08/17/15 16:00 Date Received: 08/20/15 09:15 Lab Sample ID: 160-13469-17 Matrix: Solid

Percent Solids: 86.7

Method: 8270D - Semivolat Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac
2-Chloronaphthalene	ND		380	38	ug/Kg	章	08/31/15 10:17	09/02/15 11:14	1
2-Chlorophenol	ND		380	38	ug/Kg	章	08/31/15 10:17	09/02/15 11:14	1
2-Methylnaphthalene	ND		380	38	ug/Kg	故	08/31/15 10:17	09/02/15 11:14	1
2-Nitroaniline	ND		380	38	ug/Kg	**	08/31/15 10:17	09/02/15 11:14	1
3,3'-Dichlorobenzidine	ND		1800	380	ug/Kg	尊	08/31/15 10:17	09/02/15 11:14	1
3-Nitroaniline	ND		380	38	ug/Kg	**	08/31/15 10:17	09/02/15 11:14	1
4-Nitroaniline	ND		1800	380	ug/Kg	益	08/31/15 10:17	09/02/15 11:14	1
4-Nitrophenol	ND		1800	380	ug/Kg	**	08/31/15 10:17	09/02/15 11:14	1
Acenaphthene	ND		380		7.12.110.25	325	08/31/15 10:17	09/02/15 11:14	1
Acenaphthylene	ND		380		ug/Kg	32	08/31/15 10:17	09/02/15 11:14	1
Aniline	ND		380			**	08/31/15 10:17	09/02/15 11:14	1
Anthracene	ND		380	38	117 10 020	**		09/02/15 11:14	1
Benzo[a]anthracene	ND		380	38		100		09/02/15 11:14	1
Benzo[a]pyrene	ND		380	38		*		09/02/15 11:14	1
Benzo[b]fluoranthene	ND		380	38		400		09/02/15 11:14	1
Benzo[k]fluoranthene	ND		380	38		**		09/02/15 11:14	1
ois (2-chloroisopropyl) ether	ND		380	38	ug/Kg	×		09/02/15 11:14	1
Bis(2-chloroethyl)ether	ND		380	38	ug/Kg	*		09/02/15 11:14	1
Bis(2-ethylhexyl) phthalate	120	JB	380	52	* * TO TO THE TO	*	08/31/15 10:17		1
Butyl benzyl phthalate	ND	3 6	380	38		**	08/31/15 10:17		1
Chrysene	ND		380	38		*	#23Y9/Y9/Z 7.139Y	09/02/15 11:14	4
Dibenz(a,h)anthracene	ND		380	38		**	4.5.7170 (J. 7.7.7.7.17.19)	09/02/15 11:14	4
Dibenzofuran	ND		380		ug/Kg ug/Kg	*	08/31/15 10:17		1
Diethyl phthalate	ND		380			**			1
	ND		380	38		100		09/02/15 11:14	1
Dimethyl phthalate				38		***	08/31/15 10:17		3
Di-n-butyl phthalate	ND		380	38		- C		09/02/15 11:14	1
Di-n-octyl phthalate	ND		380	38	0 0	*	08/31/15 10:17	09/02/15 11:14	3
Diphenylamine	ND		380	38		10	08/31/15 10:17		1
Fluoranthene 	ND		380	38		***		09/02/15 11:14	1
Fluorene	ND		380	38		***		09/02/15 11:14	1
Hexachlorobenzene	ND		380	38	ug/Kg	**		09/02/15 11:14	1
Hexachlorobutadiene	ND		380	38	ug/Kg	Ø		09/02/15 11:14	1
Hexachlorocyclopentadiene	ND		1800	380	0	**	08/31/15 10:17		1
Hexachloroethane	ND		380	38	ug/Kg	***	08/31/15 10:17		1
Indeno[1,2,3-cd]pyrene	ND		380	38	ug/Kg	***	08/31/15 10:17	09/02/15 11:14	1
Isophorone	ND		380		ug/Kg	*	08/31/15 10:17		1
Naphthalene	ND		380		ug/Kg	**	08/31/15 10:17	09/02/15 11:14	1
Nitrobenzene	ND		380		ug/Kg	*	08/31/15 10:17	09/02/15 11:14	1
N-Nitrosodi-n-propylamine	ND		380		ug/Kg	***	08/31/15 10:17	09/02/15 11:14	1
Pentachlorophenol	ND		760	380	ug/Kg	325	08/31/15 10:17	09/02/15 11:14	1
Phenanthrene	ND		380	38	ug/Kg	335	08/31/15 10:17	09/02/15 11:14	1
Phenol	ND		380	38	ug/Kg	**	08/31/15 10:17	09/02/15 11:14	1
Pyrene	ND		380	38	ug/Kg	**	08/31/15 10:17	09/02/15 11:14	1
N-Nitrosodiphenylamine	ND		380	38	ug/Kg	*	08/31/15 10:17	09/02/15 11:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	80		56 - 97				08/31/15 10:17	09/02/15 11:14	1
2-Fluorophenol (Surr)	73		53 - 97				08/31/15 10:17	09/02/15 11:14	1
Nitrobenzene-d5 (Surr)	73		55 - 98				08/31/15 10:17	09/02/15 11:14	1
Phenol-d5 (Surr)	76		54 - 101					09/02/15 11:14	1

Client: SEMS, Inc.

Project/Site: Camp Minden Baseline Project

Lab Sample ID: 160-13469-17

TestAmerica Job ID: 160-13469-1

Client Sample ID: 2015.08.17.15 Date Collected: 08/17/15 16:00

Matrix: Solid

Date Received: 08/20/15 09:15

Percent Solids: 86.7

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

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14 (Surr)	71	58 - 123	08/31/15 10:17	09/02/15 11:14	1
2,4,6-Tribromophenol (Surr)	90	46 - 111	08/31/15 10:17	09/02/15 11:14	1

Method: 8330B - Nitroaroi Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trinitrobenzene	ND		230	25	ug/Kg	-	08/24/15 08:38	08/29/15 16:28	1
1,3-Dinitrobenzene	ND		230	40	ug/Kg		08/24/15 08:38	08/29/15 16:28	1
2,4,6-Trinitrotoluene	ND		230	33	ug/Kg		08/24/15 08:38	08/29/15 16:28	1
2,4-Dinitrotoluene	ND		230	34	ug/Kg		08/24/15 08:38	08/29/15 16:28	1
2,6-Dinitrotoluene	ND		230	58	ug/Kg		08/24/15 08:38	08/29/15 16:28	1
2-Amino-4,6-dinitrotoluene	ND		230	39	ug/Kg		08/24/15 08:38	08/29/15 16:28	1
4-Amino-2,6-dinitrotoluene	ND		230	85	ug/Kg		08/24/15 08:38	08/29/15 16:28	1
3-Nitrotoluene	ND		230	51	ug/Kg		08/24/15 08:38	08/29/15 16:28	1
Nitrobenzene	ND		230	39	ug/Kg		08/24/15 08:38	08/29/15 16:28	1
Nitroglycerin	ND		1100	250	ug/Kg		08/24/15 08:38	08/29/15 16:28	1
2-Nitrotoluene	ND		230	59	ug/Kg		08/24/15 08:38	08/29/15 16:28	1
4-Nitrotoluene	ND		230	74	ug/Kg		08/24/15 08:38	08/29/15 16:28	1
PETN	ND		2300	310	ug/Kg		08/24/15 08:38	08/29/15 16:28	1
RDX	ND		230	57	ug/Kg		08/24/15 08:38	08/29/15 16:28	1
HMX	ND		230	35	ug/Kg		08/24/15 08:38	08/29/15 16:28	1
Tetryl	ND		230	42	ug/Kg		08/24/15 08:38	08/29/15 16:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	DII Fac
1,2-Dinitrobenzene (Surr)	107		79 - 120				08/24/15 08:38	08/29/15 16:28	1

Client Sample ID: 2015.08.17.K3

Date Collected: 08/17/15 16:10 Date Received: 08/20/15 09:15

Lab Sample ID: 160-13469-18

Matrix: Solid Percent Solids: 89.6

Method: 8260C - Volatile Org Analyte		unds by GC/ Qualifier	MS RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	-	4.6	0.32	ug/Kg	**	08/27/15 15:48	08/27/15 20:19	1
1,1,1-Trichloroethane	ND		4.6	0.39	ug/Kg	**	08/27/15 15:48	08/27/15 20:19	1
1,1,2,2-Tetrachloroethane	ND		4.6	0.37	ug/Kg	**	08/27/15 15:48	08/27/15 20:19	1
1,1,2-Trichloroethane	ND		4.6	0.52	ug/Kg	*	08/27/15 15:48	08/27/15 20:19	1
1,1-Dichloroethane	ND		4.6	0.36	ug/Kg	*	08/27/15 15:48	08/27/15 20:19	1
1,1-Dichloroethene	ND		4.6	1.5	ug/Kg	*	08/27/15 15:48	08/27/15 20:19	1
1,2-Dibromo-3-Chloropropane	ND		9.1	1.3	ug/Kg	*	08/27/15 15:48	08/27/15 20:19	1
1,2-Dichloroethane	ND		4.6	0.80	ug/Kg	*	08/27/15 15:48	08/27/15 20:19	1
1,2-Dichloropropane	ND		4.6	0.35	ug/Kg	*	08/27/15 15:48	08/27/15 20:19	1
1,3-Dichloropropene, Total	ND		9.1	0.87	ug/Kg	*	08/27/15 15:48	08/27/15 20:19	1
2-Butanone (MEK)	ND		18	1.8	ug/Kg	**	08/27/15 15:48	08/27/15 20:19	-1
4-Methyl-2-pentanone (MIBK)	ND		18	0.67	ug/Kg	*	08/27/15 15:48	08/27/15 20:19	1
Acetone	ND		18	5.9	ug/Kg	*	08/27/15 15:48	08/27/15 20:19	1
Benzene	ND		4.6	0.23	ug/Kg	*	08/27/15 15:48	08/27/15 20:19	1
Bromodichloromethane	ND		4.6	0.23	ug/Kg	*	08/27/15 15:48	08/27/15 20:19	1
Bromoform	ND		4.6	0.34	ug/Kg	*	08/27/15 15:48	08/27/15 20:19	1
Bromomethane	ND		9.1	1.0	ug/Kg	*	08/27/15 15:48	08/27/15 20:19	1
Carbon disulfide	ND		4.6	0.63	ug/Kg	*	08/27/15 15:48	08/27/15 20:19	1
Carbon tetrachloride	ND		4.6	0.47	ug/Kg	**	08/27/15 15:48	08/27/15 20:19	1

Client: SEMS, Inc.

Project/Site: Camp Minden Baseline Project

Client Sample ID: 2015.08.17.K3

Date Collected: 08/17/15 16:10 Date Received: 08/20/15 09:15

TestAmerica Job ID: 160-13469-1

Lab Sample ID: 160-13469-18

Matrix: Solid

Percent Solids: 89.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		4.6	0.35	ug/Kg	75	08/27/15 15:48	08/27/15 20:19	1
Chlorodibromomethane	ND		4.6	0.37	ug/Kg	**	08/27/15 15:48	08/27/15 20:19	1
Chloroethane	ND		9.1	0.48	ug/Kg	**	08/27/15 15:48	08/27/15 20:19	1
Chloroform	ND		4.6	0.35	ug/Kg	**	08/27/15 15:48	08/27/15 20:19	1
Chloromethane	ND		9.1	0.59	ug/Kg	**	08/27/15 15:48	08/27/15 20:19	1
cis-1,2-Dichloroethene	ND		4.6	0.55	ug/Kg	禁	08/27/15 15:48	08/27/15 20:19	1
Ethylbenzene	ND		4.6	0.27	ug/Kg	*	08/27/15 15:48	08/27/15 20:19	1
Hexachlorobutadiene	ND		4.6	0.62	ug/Kg	禁	08/27/15 15:48	08/27/15 20:19	1
Isobutyl alcohol	ND		180	23	ug/Kg	*	08/27/15 15:48	08/27/15 20:19	1
Methyl tert-butyl ether	ND		4.6	0.44	ug/Kg	尊	08/27/15 15:48	08/27/15 20:19	1
Methylene Chloride	ND		4.6	1.4	ug/Kg		08/27/15 15:48	08/27/15 20:19	1
Styrene	ND		4.6	0.32	ug/Kg	*	08/27/15 15:48	08/27/15 20:19	1
Tetrachloroethene	ND		4.6	0.29	ug/Kg	ø	08/27/15 15:48	08/27/15 20:19	1
Toluene	ND		4.6	0.64	ug/Kg	尊	08/27/15 15:48	08/27/15 20:19	1
trans-1,2-Dichloroethene	ND		4.6	0.86	ug/Kg	**	08/27/15 15:48	08/27/15 20:19	1
Trichloroethene	ND		4.6	0.36	ug/Kg	尊	08/27/15 15:48	08/27/15 20:19	1
Trichlorofluoromethane	ND		4.6	0.46	ug/Kg	*	08/27/15 15:48	08/27/15 20:19	1
Vinyl chloride	ND		4.6	0.39	ug/Kg	13	08/27/15 15:48	08/27/15 20:19	1
Xylenes, Total	1.6	J	9.1		ug/Kg	×	08/27/15 15:48	08/27/15 20:19	1
2.000	12(2)11-7.14	A Long	10.00				10000		

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		72 - 127	08/27/15 15:48	08/27/15 20:19	1
4-Bromofluorobenzene (Surr)	98		63 - 150	08/27/15 15:48	08/27/15 20:19	1
Dibromofluoromethane (Surr)	100		70 - 126	08/27/15 15:48	08/27/15 20:19	1
Toluene-d8 (Surr)	102		80 - 120	08/27/15 15:48	08/27/15 20:19	1

Method: 8270D	- Semivolatile	Organic (Compounds	(GC/MS)
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Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		370	37	ug/Kg	Ø	08/31/15 10:17	09/02/15 11:47	1
1,2,4,5-Tetrachlorobenzene	ND		370	37	ug/Kg	**	08/31/15 10:17	09/02/15 11:47	1
1,2,4-Trichlorobenzene	ND		370	37	ug/Kg	故	08/31/15 10:17	09/02/15 11:47	1
1,2-Dichlorobenzene	ND		370	37	ug/Kg	*	08/31/15 10:17	09/02/15 11:47	1
1,3-Dichlorobenzene	ND		370	37	ug/Kg	*	08/31/15 10:17	09/02/15 11:47	- 1
1,3-Dinitrobenzene	ND		370	37	ug/Kg	10	08/31/15 10:17	09/02/15 11:47	1
1,4-Dichlorobenzene	ND		370	37	ug/Kg	**	08/31/15 10:17	09/02/15 11:47	1
2,3,4,6-Tetrachlorophenol	ND		1800	37	ug/Kg	**	08/31/15 10:17	09/02/15 11:47	1
2,4,5-Trichlorophenol	ND		370	37	ug/Kg	**	08/31/15 10:17	09/02/15 11:47	1
2,4,6-Trichlorophenol	ND		370	37	ug/Kg	**	08/31/15 10:17	09/02/15 11:47	1
2,4-Dichlorophenol	ND		370	37	ug/Kg	**	08/31/15 10:17	09/02/15 11:47	1
2,4-Dimethylphenol	ND		370	37	ug/Kg	*	08/31/15 10:17	09/02/15 11:47	1
2,4-Dinitrophenol	ND		1800	370	ug/Kg	**	08/31/15 10:17	09/02/15 11:47	1
2,4-Dinitrotoluene	ND		370	37	ug/Kg	**	08/31/15 10:17	09/02/15 11:47	1
2,6-Dinitrotoluene	ND		370	37	ug/Kg	**	08/31/15 10:17	09/02/15 11:47	1
2-Chloronaphthalene	ND		370	37	ug/Kg	**	08/31/15 10:17	09/02/15 11:47	1
2-Chlorophenol	ND		370	37	ug/Kg	**	08/31/15 10:17	09/02/15 11:47	- 1
2-Methylnaphthalene	ND		370	37	ug/Kg	益	08/31/15 10:17	09/02/15 11:47	1
2-Nitroaniline	ND		370	37	ug/Kg	**	08/31/15 10:17	09/02/15 11:47	1
3,3'-Dichlorobenzidine	ND		1800	370	ug/Kg	**	08/31/15 10:17	09/02/15 11:47	1
3-Nitroaniline	ND		370	37	ug/Kg	**	08/31/15 10:17	09/02/15 11:47	1
4-Nitroaniline	ND		1800	370	ug/Kg	*	08/31/15 10:17	09/02/15 11:47	1

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

Client Sample ID: 2015.08.17.K3 Lab Sample ID: 160-13469-18

Date Collected: 08/17/15 16:10 Date Received: 08/20/15 09:15

Matrix: Solid Percent Solids: 89.6

TestAmerica Job ID: 160-13469-1

Analyte		Qualifier	RL	MDL	Unit	D		Analyzed	Dil Fac
4-Nitrophenol	ND		1800	370	ug/Kg	**	08/31/15 10:17	09/02/15 11:47	1
Acenaphthene	ND		370	37	ug/Kg	*	08/31/15 10:17	09/02/15 11:47	1
Acenaphthylene	ND		370	37	ug/Kg	*	08/31/15 10:17	09/02/15 11:47	1
Aniline	ND		370	67	ug/Kg	*	08/31/15 10:17	09/02/15 11:47	1
Anthracene	ND		370	37	ug/Kg	ø	08/31/15 10:17	09/02/15 11:47	1
Benzo[a]anthracene	ND		370	37	ug/Kg	**	08/31/15 10:17	09/02/15 11:47	1
Benzo[a]pyrene	ND		370	37	ug/Kg	**	08/31/15 10:17	09/02/15 11:47	1
Benzo[b]fluoranthene	ND		370	37	ug/Kg	禁	08/31/15 10:17	09/02/15 11:47	1
Benzo[k]fluoranthene	ND		370	37	ug/Kg	尊	08/31/15 10:17	09/02/15 11:47	1
bis (2-chloroisopropyl) ether	ND		370	37	ug/Kg	*	08/31/15 10:17	09/02/15 11:47	1
Bis(2-chloroethyl)ether	ND		370	37	ug/Kg	*	08/31/15 10:17	09/02/15 11:47	1
Bis(2-ethylhexyl) phthalate	110	JB	370	50	ug/Kg	*	08/31/15 10:17	09/02/15 11:47	1
Butyl benzyl phthalate	ND		370	37		*	08/31/15 10:17	09/02/15 11:47	1
Chrysene	ND		370	37		ø		09/02/15 11:47	1
Dibenz(a,h)anthracene	ND		370	37	4.50	*		09/02/15 11:47	1
Dibenzofuran	ND		370	37		*		09/02/15 11:47	1
Diethyl phthalate	ND		370	37		*		09/02/15 11:47	1
Dimethyl phthalate	ND		370	37		*		09/02/15 11:47	1
Di-n-butyl phthalate	ND		370	37	7	*		09/02/15 11:47	1
Di-n-octyl phthalate	ND		370	37		*	08/31/15 10:17		1
Diphenylamine	ND		370	37		**		09/02/15 11:47	1
Fluoranthene	ND		370	37		*	08/31/15 10:17	그렇지 얼마 그렇게 되었다.	1
Fluorene	ND		370	37		*	08/31/15 10:17		1
Hexachlorobenzene	ND		370	37		*	08/31/15 10:17		1
Hexachlorobutadiene	ND		370	37		***	08/31/15 10:17		4
Hexachlorocyclopentadiene	ND		1800		ug/Kg	*	08/31/15 10:17		4
Hexachloroethane	ND		370	37	C. S. T. Y. P. C. T.	**	08/31/15 10:17		1
Indeno[1,2,3-cd]pyrene	ND		370	37		*	08/31/15 10:17		1
Isophorone	ND		370	37					3
Naphthalene	ND				0 0	7.	08/31/15 10:17		- 8
The state of the s			370	37	9 0	**	08/31/15 10:17		1
Nitrobenzene	ND		370	37			08/31/15 10:17		1
N-Nitrosodi-n-propylamine	ND		370	37		100	08/31/15 10:17		1
Pentachlorophenol	ND		740	370		100	08/31/15 10:17		1
Phenanthrene	ND		370	37	0. 0	Ø	08/31/15 10:17		1
Phenol	ND		370		ug/Kg	Ø	그림 맛있다면 하면 맛있다면 어떻게 하네요.	09/02/15 11:47	1
Pyrene	ND		370		ug/Kg		08/31/15 10:17		1
N-Nitrosodiphenylamine	ND		370	37	ug/Kg	D	08/31/15 10:17	09/02/15 11:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	83		56 - 97				08/31/15 10:17	09/02/15 11:47	1
2-Fluorophenol (Surr)	77		53 - 97				08/31/15 10:17	09/02/15 11:47	1
Nitrobenzene-d5 (Surr)	77		55 - 98				08/31/15 10:17	09/02/15 11:47	1
Phenol-d5 (Surr)	79		54 - 101				08/31/15 10:17	09/02/15 11:47	1
Terphenyl-d14 (Surr)	76		58 - 123				08/31/15 10:17	09/02/15 11:47	1
2,4,6-Tribromophenol (Surr)	94		46 - 111					09/02/15 11:47	1
Method: 8330B - Nitroarom	atics and Nitra	mines (HI	PLC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trinitrobenzene	ND		240	27			08/24/15 08:38	08/29/15 16:51	1
1,3-Dinitrobenzene	ND		240		ug/Kg		08/24/15 08:38	08/29/15 16:51	1
To Elimopolizono	ND		240	40	ugring		00/24/10 00.30	00/29/10 10:01	

Client: SEMS, Inc.

Project/Site: Camp Minden Baseline Project

Lab Sample ID: 160-13469-18

TestAmerica Job ID: 160-13469-1

Matrix: Solid

Percent Solids: 89.6

Client Sample ID: 2015.08.17.K3

Date Collected: 08/17/15 16:10 Date Received: 08/20/15 09:15

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trinitrotoluene	ND		240	35	ug/Kg	_	08/24/15 08:38	08/29/15 16:51	1
2,4-Dinitrotoluene	ND		240	37	ug/Kg		08/24/15 08:38	08/29/15 16:51	1
2,6-Dinitrotoluene	ND		240	62	ug/Kg		08/24/15 08:38	08/29/15 16:51	1
2-Amino-4,6-dinitrotoluene	ND		240	42	ug/Kg		08/24/15 08:38	08/29/15 16:51	1
4-Amino-2,6-dinitrotoluene	ND		240	91	ug/Kg		08/24/15 08:38	08/29/15 16:51	1
3-Nitrotoluene	ND		240	54	ug/Kg		08/24/15 08:38	08/29/15 16:51	1
Nitrobenzene	ND		240	42	ug/Kg		08/24/15 08:38	08/29/15 16:51	1
Nitroglycerin	ND		1200	260	ug/Kg		08/24/15 08:38	08/29/15 16:51	1
2-Nitrotoluene	ND		240	64	ug/Kg		08/24/15 08:38	08/29/15 16:51	1
4-Nitrotoluene	ND		240	80	ug/Kg		08/24/15 08:38	08/29/15 16:51	1
PETN	ND		2400	340	ug/Kg		08/24/15 08:38	08/29/15 16:51	1
RDX	ND		240	61	ug/Kg		08/24/15 08:38	08/29/15 16:51	1
HMX	ND		240	38	ug/Kg		08/24/15 08:38	08/29/15 16:51	1
Tetryl	ND		240	45	ug/Kg		08/24/15 08:38	08/29/15 16:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dinitrobenzene (Surr)	112		79 - 120				08/24/15 08:38	08/29/15 16:51	1

Client Sample ID: 2015.08.17.K5

Date Collected: 08/17/15 16:20 Date Received: 08/20/15 09:15 Lab Sample ID: 160-13469-19

Matrix: Solid Percent Solids: 89.7

Method: 8260C - Volatile Org Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		4.3	0.30	ug/Kg	**	08/27/15 15:48	08/27/15 20:44	1
1,1,1-Trichloroethane	ND		4.3	0.37	ug/Kg	**	08/27/15 15:48	08/27/15 20:44	1
1,1,2,2-Tetrachloroethane	ND		4.3	0.35	ug/Kg	*	08/27/15 15:48	08/27/15 20:44	1
1,1,2-Trichloroethane	ND		4.3	0.49	ug/Kg	**	08/27/15 15:48	08/27/15 20:44	1
1,1-Dichloroethane	ND		4.3	0.34	ug/Kg	***	08/27/15 15:48	08/27/15 20:44	1
1,1-Dichloroethene	ND		4.3	1.4	ug/Kg	**	08/27/15 15:48	08/27/15 20:44	1
1,2-Dibromo-3-Chloropropane	ND		8.7	1.3	ug/Kg	**	08/27/15 15:48	08/27/15 20:44	1
1,2-Dichloroethane	ND		4.3	0.75	ug/Kg	**	08/27/15 15:48	08/27/15 20:44	1
1,2-Dichloropropane	ND		4.3	0.33	ug/Kg	**	08/27/15 15:48	08/27/15 20:44	1
1,3-Dichloropropene, Total	ND		8.7	0.82	ug/Kg	**	08/27/15 15:48	08/27/15 20:44	1
2-Butanone (MEK)	ND		17	1.7	ug/Kg	**	08/27/15 15:48	08/27/15 20:44	1
4-Methyl-2-pentanone (MIBK)	ND		17	0.63	ug/Kg	**	08/27/15 15:48	08/27/15 20:44	1
Acetone	ND		17	5.6	ug/Kg	故	08/27/15 15:48	08/27/15 20:44	1
Benzene	ND		4.3	0.22	ug/Kg	*	08/27/15 15:48	08/27/15 20:44	1
Bromodichloromethane	ND		4.3	0.22	ug/Kg	**	08/27/15 15:48	08/27/15 20:44	1
Bromoform	ND		4.3	0.32	ug/Kg	**	08/27/15 15:48	08/27/15 20:44	1
Bromomethane	ND		8.7	0.95	ug/Kg	以	08/27/15 15:48	08/27/15 20:44	1
Carbon disulfide	ND		4.3	0.60	ug/Kg	**	08/27/15 15:48	08/27/15 20:44	1
Carbon tetrachloride	ND		4.3	0.44	ug/Kg	**	08/27/15 15:48	08/27/15 20:44	1
Chlorobenzene	ND		4.3	0.33	ug/Kg	*	08/27/15 15:48	08/27/15 20:44	4
Chlorodibromomethane	ND		4.3	0.35	ug/Kg	尊	08/27/15 15:48	08/27/15 20:44	1
Chloroethane	ND		8.7	0.45	ug/Kg	*	08/27/15 15:48	08/27/15 20:44	1
Chloroform	ND		4.3	0.33	ug/Kg	**	08/27/15 15:48	08/27/15 20:44	1
Chloromethane	ND		8.7	0.56	ug/Kg	尊	08/27/15 15:48	08/27/15 20:44	1
cis-1,2-Dichloroethene	ND		4.3	0.52	ug/Kg	数	08/27/15 15:48	08/27/15 20:44	1
Ethylbenzene	ND		4.3	0.26	ug/Kg	135	08/27/15 15:48	08/27/15 20:44	1

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

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

Client Sample ID: 2015.08.17.K5

Date Collected: 08/17/15 16:20 Date Received: 08/20/15 09:15

Lab Sample ID: 160-13469-19

Matrix: Solid

Percent Solids: 89.7

TestAmerica Job ID: 160-13469-1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	ND		4.3	0.59	ug/Kg	7	08/27/15 15:48	08/27/15 20:44	1
Isobutyl alcohol	ND		170	22	ug/Kg	**	08/27/15 15:48	08/27/15 20:44	. 1
Methyl tert-butyl ether	ND		4.3	0.42	ug/Kg	**	08/27/15 15:48	08/27/15 20:44	1
Methylene Chloride	ND		4.3	1.4	ug/Kg	**	08/27/15 15:48	08/27/15 20:44	1
Styrene	ND		4.3	0.30	ug/Kg	**	08/27/15 15:48	08/27/15 20:44	1
Tetrachloroethene	ND		4.3	0.28	ug/Kg	**	08/27/15 15:48	08/27/15 20:44	1
Toluene	ND		4.3	0.61	ug/Kg	**	08/27/15 15:48	08/27/15 20:44	1
trans-1,2-Dichloroethene	ND		4.3	0.81	ug/Kg	**	08/27/15 15:48	08/27/15 20:44	1
Trichloroethene	ND		4.3	0.34	ug/Kg	*	08/27/15 15:48	08/27/15 20:44	1
Trichlorofluoromethane	ND		4.3	0.43	ug/Kg	益	08/27/15 15:48	08/27/15 20:44	1
Vinyl chloride	ND		4.3	0.37	ug/Kg	*	08/27/15 15:48	08/27/15 20:44	1
Xylenes, Total	ND		8.7	0.74	ug/Kg	**	08/27/15 15:48	08/27/15 20:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98	-	72 - 127				08/27/15 15:48	08/27/15 20:44	1
4-Bromofluorobenzene (Surr)	99		63 - 150				08/27/15 15:48	08/27/15 20:44	1
Dibromofluoromethane (Surr)	103		70 - 126				08/27/15 15:48	08/27/15 20:44	1
Toluene-d8 (Surr)	102		80 - 120				08/27/15 15:48	08/27/15 20:44	1

Analyte	1000000	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		370	37	ug/Kg	Ø	08/31/15 10:17	09/02/15 12:19	1
1,2,4,5-Tetrachlorobenzene	ND		370	37	ug/Kg	尊	08/31/15 10:17	09/02/15 12:19	1
1,2,4-Trichlorobenzene	ND		370	37	ug/Kg	**	08/31/15 10:17	09/02/15 12:19	1
1,2-Dichlorobenzene	ND		370	37	ug/Kg	*	08/31/15 10:17	09/02/15 12:19	1
1,3-Dichlorobenzene	ND		370	37	ug/Kg	335	08/31/15 10:17	09/02/15 12:19	1
1,3-Dinitrobenzene	ND		370	37	ug/Kg	*	08/31/15 10:17	09/02/15 12:19	1
1,4-Dichlorobenzene	ND		370	37	ug/Kg	33	08/31/15 10:17	09/02/15 12:19	1
2,3,4,6-Tetrachlorophenol	ND		1800	37	ug/Kg	*	08/31/15 10:17	09/02/15 12:19	1
2,4,5-Trichlorophenol	ND		370	37	ug/Kg	**	08/31/15 10:17	09/02/15 12:19	1
2,4,6-Trichlorophenol	ND		370	37	ug/Kg	*	08/31/15 10:17	09/02/15 12:19	1
2,4-Dichlorophenol	ND		370	37	ug/Kg	*	08/31/15 10:17	09/02/15 12:19	1
2,4-Dimethylphenol	ND		370	37	ug/Kg	尊	08/31/15 10:17	09/02/15 12:19	1
2,4-Dinitrophenol	ND		1800	370	ug/Kg	禁	08/31/15 10:17	09/02/15 12:19	1
2,4-Dinitrotoluene	ND		370	37	ug/Kg	尊	08/31/15 10:17	09/02/15 12:19	1
2,6-Dinitrotoluene	ND		370	37	ug/Kg	*	08/31/15 10:17	09/02/15 12:19	1
2-Chloronaphthalene	ND		370	37	ug/Kg	*	08/31/15 10:17	09/02/15 12:19	1
2-Chlorophenol	ND		370	37	ug/Kg	**	08/31/15 10:17	09/02/15 12:19	1
2-Methylnaphthalene	ND		370	37	ug/Kg	*	08/31/15 10:17	09/02/15 12:19	1
2-Nitroaniline	ND		370	37	ug/Kg	**	08/31/15 10:17	09/02/15 12:19	1
3,3'-Dichlorobenzidine	ND		1800	370	ug/Kg	*	08/31/15 10:17	09/02/15 12:19	1
3-Nitroaniline	ND		370	37	ug/Kg	*	08/31/15 10:17	09/02/15 12:19	1
4-Nitroaniline	ND		1800	370	ug/Kg	*	08/31/15 10:17	09/02/15 12:19	1
4-Nitrophenol	ND		1800	370	ug/Kg	⇔	08/31/15 10:17	09/02/15 12:19	1
Acenaphthene	ND		370	37	ug/Kg	*	08/31/15 10:17	09/02/15 12:19	1
Acenaphthylene	ND		370	37	ug/Kg	*	08/31/15 10:17	09/02/15 12:19	1
Aniline	ND		370	66	ug/Kg	*	08/31/15 10:17	09/02/15 12:19	1
Anthracene	ND		370	37	ug/Kg	*	08/31/15 10:17	09/02/15 12:19	1
Benzo[a]anthracene	ND		370	37	ug/Kg	**	08/31/15 10:17	09/02/15 12:19	1
Benzo[a]pyrene	ND		370	37	ug/Kg	**	08/31/15 10:17	09/02/15 12:19	1

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

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

Lab Sample ID: 160-13469-19

Matrix: Solid
Percent Solids: 89.7

TestAmerica Job ID: 160-13469-1

Client Sample ID: 2015.08.17.K5

Date Collected: 08/17/15 16:20 Date Received: 08/20/15 09:15

Method: 82/0D - Semivolat Analyte		Qualifier	RL.		Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	ND		370	37	ug/Kg	尊	08/31/15 10:17	09/02/15 12:19	1
Benzo[k]fluoranthene	ND		370	37	ug/Kg	308	08/31/15 10:17	09/02/15 12:19	1
bis (2-chloroisopropyl) ether	ND		370	37	ug/Kg	**	08/31/15 10:17	09/02/15 12:19	1
Bis(2-chloroethyl)ether	ND		370	37	ug/Kg	305	08/31/15 10:17	09/02/15 12:19	1
Bis(2-ethylhexyl) phthalate	120	JB	370	50	ug/Kg	**	08/31/15 10:17	09/02/15 12:19	1
Butyl benzyl phthalate	ND		370	37	ug/Kg	308	08/31/15 10:17	09/02/15 12:19	1
Chrysene	ND		370	37	ug/Kg	**	08/31/15 10:17	09/02/15 12:19	1
Dibenz(a,h)anthracene	ND		370	37	ug/Kg	305	08/31/15 10:17	09/02/15 12:19	1
Dibenzofuran	ND		370	37	ug/Kg	**	08/31/15 10:17	09/02/15 12:19	1
Diethyl phthalate	ND		370	37	ug/Kg	328	08/31/15 10:17	09/02/15 12:19	1
Dimethyl phthalate	ND		370	37	ug/Kg	**	08/31/15 10:17	09/02/15 12:19	1
Di-n-butyl phthalate	ND		370	37	ug/Kg	12	08/31/15 10:17	09/02/15 12:19	1
Di-n-octyl phthalate	ND		370	37	ug/Kg	**	08/31/15 10:17	09/02/15 12:19	1
Diphenylamine	ND		370	37	ug/Kg	**	08/31/15 10:17	09/02/15 12:19	1
Fluoranthene	ND		370	37	ug/Kg	华	08/31/15 10:17	09/02/15 12:19	1
Fluorene	ND		370	37	ug/Kg	\$	08/31/15 10:17	09/02/15 12:19	1
Hexachlorobenzene	ND		370	37	ug/Kg	**	08/31/15 10:17	09/02/15 12:19	1
Hexachlorobutadiene	ND		370	37	ug/Kg	**	08/31/15 10:17	09/02/15 12:19	1
Hexachlorocyclopentadiene	ND		1800	370	ug/Kg	45	08/31/15 10:17	09/02/15 12:19	1
Hexachloroethane	ND		370	37	ug/Kg	305	08/31/15 10:17	09/02/15 12:19	1
Indeno[1,2,3-cd]pyrene	ND		370	37	ug/Kg	故	08/31/15 10:17	09/02/15 12:19	1
Isophorone	ND		370	37	ug/Kg	**	08/31/15 10:17	09/02/15 12:19	1
Naphthalene	ND		370	37	ug/Kg	*	08/31/15 10:17	09/02/15 12:19	1
Nitrobenzene	ND		370	37	ug/Kg	***	08/31/15 10:17	09/02/15 12:19	1
N-Nitrosodi-n-propylamine	ND		370	37	ug/Kg	袋	08/31/15 10:17	09/02/15 12:19	1
Pentachlorophenol	ND		730	370	ug/Kg	**	08/31/15 10:17	09/02/15 12:19	1
Phenanthrene	ND		370	37	ug/Kg	13	08/31/15 10:17	09/02/15 12:19	1
Phenol	ND		370	37	ug/Kg	**	08/31/15 10:17	09/02/15 12:19	- 1
Pyrene	ND		370	37	ug/Kg	粒	08/31/15 10:17	09/02/15 12:19	1
N-Nitrosodiphenylamine	ND		370	37	ug/Kg	**	08/31/15 10:17	09/02/15 12:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	88		56 - 97				08/31/15 10:17	09/02/15 12:19	1
2-Fluorophenol (Surr)	79		53 - 97				08/31/15 10:17	09/02/15 12:19	1
Nitrobenzene-d5 (Surr)	80		55 - 98				08/31/15 10:17	09/02/15 12:19	1
Phenol-d5 (Surr)	83		54 - 101				08/31/15 10:17	09/02/15 12:19	1
Terphenyl-d14 (Surr)	79		58 - 123				08/31/15 10:17	09/02/15 12:19	1
2,4,6-Tribromophenol (Surr)	98		46-111				08/31/15 10:17	09/02/15 12:19	1

Method: 8330B - Nitroaromatics and Nitramines (HPLC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trinitrobenzene	ND		230	25	ug/Kg	_	08/24/15 08:38	08/29/15 17:14	1
1,3-Dinitrobenzene	ND		230	40	ug/Kg		08/24/15 08:38	08/29/15 17:14	1
2,4,6-Trinitrotoluene	ND		230	33	ug/Kg		08/24/15 08:38	08/29/15 17:14	1
2,4-Dinitrotoluene	ND		230	35	ug/Kg		08/24/15 08:38	08/29/15 17:14	1
2,6-Dinitrotoluene	ND		230	59	ug/Kg		08/24/15 08:38	08/29/15 17:14	1
2-Amino-4,6-dinitrotoluene	ND		230	40	ug/Kg		08/24/15 08:38	08/29/15 17:14	1
4-Amino-2,6-dinitrotoluene	ND		230	87	ug/Kg		08/24/15 08:38	08/29/15 17:14	1
3-Nitrotoluene	ND		230	52	ug/Kg		08/24/15 08:38	08/29/15 17:14	. 1
Nitrobenzene	ND		230	40	ug/Kg		08/24/15 08:38	08/29/15 17:14	1

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

Client Sample ID: 2015.08.17.K5

Date Collected: 08/17/15 16:20 Date Received: 08/20/15 09:15 Lab Sample ID: 160-13469-19

TestAmerica Job ID: 160-13469-1

Matrix: Solid

Percent Solids: 89.7

Method: 8330B	- Nitroaromatics	and Nitramines	(HPLC)	(Continue	d)
Analyte		Result Qualifier		RI	MID

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitroglycerin	ND		1200	250	ug/Kg		08/24/15 08:38	08/29/15 17:14	1
2-Nitrotoluene	ND		230	60	ug/Kg		08/24/15 08:38	08/29/15 17:14	1
4-Nitrotoluene	ND		230	76	ug/Kg		08/24/15 08:38	08/29/15 17:14	1
PETN	ND		2300	320	ug/Kg		08/24/15 08:38	08/29/15 17:14	1
RDX	ND		230	58	ug/Kg		08/24/15 08:38	08/29/15 17:14	1
HMX	ND		230	36	ug/Kg		08/24/15 08:38	08/29/15 17:14	1
Tetryl	ND		230	43	ug/Kg		08/24/15 08:38	08/29/15 17:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dinitrobenzene (Surr)	118	-	79 - 120				08/24/15 08:38	08/29/15 17:14	1

Client Sample ID: 2015.08.17.K1

Date Collected: 08/17/15 16:45 Date Received: 08/20/15 09:15

Lab Sample ID: 160-13469-20

Matrix: Solid Percent Solids: 80.0

Method:	8260C -	Volatile (Organic	Compounds	by GC/MS
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Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	*	4.8	0.33	ug/Kg	Ď.	08/23/15 03:00	08/23/15 12:28	1
1,1,1-Trichloroethane	ND		4.8	0.41	ug/Kg	**	08/23/15 03:00	08/23/15 12:28	1
1,1,2,2-Tetrachloroethane	ND	*	4.8	0.38	ug/Kg	*	08/23/15 03:00	08/23/15 12:28	1
1,1,2-Trichloroethane	ND	*	4.8	0.54	ug/Kg	*	08/23/15 03:00	08/23/15 12:28	1
1,1-Dichloroethane	ND		4.8	0.37	ug/Kg	*	08/23/15 03:00	08/23/15 12:28	1
1,1-Dichloroethene	ND		4.8	1.5	ug/Kg	贷	08/23/15 03:00	08/23/15 12:28	1
1,2-Dibromo-3-Chloropropane	ND	*	9.5	1.4	ug/Kg	尊	08/23/15 03:00	08/23/15 12:28	1
1,2-Dichloroethane	ND		4.8	0.83	ug/Kg	*	08/23/15 03:00	08/23/15 12:28	1
1,2-Dichloropropane	ND		4.8	0.36	ug/Kg	尊	08/23/15 03:00	08/23/15 12:28	1
1,3-Dichloropropene, Total	ND		9.5	0.90	ug/Kg	*	08/23/15 03:00	08/23/15 12:28	1
2-Butanone (MEK)	ND		19	1.8	ug/Kg	**	08/23/15 03:00	08/23/15 12:28	1
4-Methyl-2-pentanone (MIBK)	ND	*	19		ug/Kg	*	08/23/15 03:00	08/23/15 12:28	1
Acetone	ND		19	6.2	ug/Kg	*	08/23/15 03:00	08/23/15 12:28	1
Benzene	ND		4.8		ug/Kg	*	08/23/15 03:00	08/23/15 12:28	1
Bromodichloromethane	ND		4.8	0.24	ug/Kg	**	08/23/15 03:00	08/23/15 12:28	1
Bromoform	ND	*	4.8		ug/Kg	**	08/23/15 03:00	08/23/15 12:28	1
Bromomethane	ND		9.5	1.0	ug/Kg	**	08/23/15 03:00	08/23/15 12:28	1
Carbon disulfide	ND		4.8		ug/Kg	*	08/23/15 03:00	08/23/15 12:28	1
Carbon tetrachloride	ND		4.8	0.49	ug/Kg	×	08/23/15 03:00	08/23/15 12:28	1
Chlorobenzene	ND	•	4.8		ug/Kg	*	08/23/15 03:00	08/23/15 12:28	1
Chlorodibromomethane	ND	*	4.8	0.39	ug/Kg	*	08/23/15 03:00	08/23/15 12:28	1
Chloroethane	ND		9.5		ug/Kg	*	08/23/15 03:00	08/23/15 12:28	1
Chloroform	ND		4.8		ug/Kg	*	08/23/15 03:00	08/23/15 12:28	1
Chloromethane	ND		9.5		ug/Kg	*	08/23/15 03:00		1
cis-1,2-Dichloroethene	ND		4.8	0.57	ug/Kg	**	08/23/15 03:00	08/23/15 12:28	1
Ethylbenzene	ND		4.8	0.29	ug/Kg	**	08/23/15 03:00	08/23/15 12:28	1
Hexachlorobutadiene	ND	*	4.8	0.65	ug/Kg	*	08/23/15 03:00		1
Isobutyl alcohol	ND		190		ug/Kg	*	08/23/15 03:00	08/23/15 12:28	1
Methyl tert-butyl ether	ND		4.8	0.46	ug/Kg	*	08/23/15 03:00	08/23/15 12:28	1
Methylene Chloride	ND		4.8		ug/Kg	*	08/23/15 03:00		4
Styrene	ND	*	4.8		ug/Kg	*	08/23/15 03:00		1
Tetrachloroethene	ND	•	4.8		ug/Kg	**		08/23/15 12:28	1
Toluene	ND	*	4.8		ug/Kg	*	08/23/15 03:00		1

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

Client Sample ID: 2015.08.17.K1

Date Collected: 08/17/15 16:45 Date Received: 08/20/15 09:15 Lab Sample ID: 160-13469-20

Matrix: Solid Percent Solids: 80.0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		4.8	0.89	ug/Kg	*	08/23/15 03:00	08/23/15 12:28	1
Trichloroethene	ND		4.8	0.37	ug/Kg	**	08/23/15 03:00	08/23/15 12:28	
Trichlorofluoromethane	ND		4.8	0.48	ug/Kg	**	08/23/15 03:00	08/23/15 12:28	7
Vinyl chloride	ND		4.8	0.41	ug/Kg	**	08/23/15 03:00	08/23/15 12:28	1
Xylenes, Total	ND	*	9.5	0.81	ug/Kg	**	08/23/15 03:00	08/23/15 12:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112	-	72 - 127				08/23/15 03:00	08/23/15 12:28	1
4-Bromofluorobenzene (Surr)	134	*	63 - 150				08/23/15 03:00	08/23/15 12:28	1
Dibromofluoromethane (Surr)	115		70 - 126				08/23/15 03:00	08/23/15 12:28	1
Toluene-d8 (Surr)	114	*	80 - 120				08/23/15 03:00	08/23/15 12:28	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		410	41	ug/Kg	**	08/31/15 10:17	09/02/15 12:52	1
1,2,4,5-Tetrachlorobenzene	ND		410	41	ug/Kg	**	08/31/15 10:17	09/02/15 12:52	1
1,2,4-Trichlorobenzene	ND		410	41	ug/Kg	100	08/31/15 10:17	09/02/15 12:52	1
1,2-Dichlorobenzene	ND		410	41	ug/Kg	**	08/31/15 10:17	09/02/15 12:52	1
1,3-Dichlorobenzene	ND		410	41	ug/Kg	**	08/31/15 10:17	09/02/15 12:52	1
1,3-Dinitrobenzene	ND		410	41	ug/Kg	尊	08/31/15 10:17	09/02/15 12:52	1
1,4-Dichlorobenzene	ND		410	41	ug/Kg	*	08/31/15 10:17	09/02/15 12:52	1
2,3,4,6-Tetrachlorophenol	ND		2000	41	ug/Kg	*	08/31/15 10:17	09/02/15 12:52	1
2,4,5-Trichlorophenol	ND		410	41	ug/Kg	草	08/31/15 10:17	09/02/15 12:52	1
2,4,6-Trichlorophenol	ND		410	41	ug/Kg	**	08/31/15 10:17	09/02/15 12:52	1
2,4-Dichlorophenol	ND		410	41	ug/Kg	**	08/31/15 10:17	09/02/15 12:52	1
2,4-Dimethylphenol	ND		410	41	ug/Kg	*	08/31/15 10:17	09/02/15 12:52	1
2,4-Dinitrophenol	ND		2000	410	ug/Kg	益	08/31/15 10:17	09/02/15 12:52	1
2,4-Dinitrotoluene	ND		410	41	ug/Kg	益	08/31/15 10:17	09/02/15 12:52	1
2,6-Dinitrotoluene	ND		410	41	ug/Kg	325	08/31/15 10:17	09/02/15 12:52	1
2-Chloronaphthalene	ND		410	41	ug/Kg	**	08/31/15 10:17	09/02/15 12:52	1
2-Chlorophenol	ND		410	41	ug/Kg	105	08/31/15 10:17	09/02/15 12:52	1
2-Methylnaphthalene	ND		410	41	ug/Kg	口	08/31/15 10:17	09/02/15 12:52	1
2-Nitroaniline	ND		410	41	ug/Kg	**	08/31/15 10:17	09/02/15 12:52	1
3,3'-Dichlorobenzidine	ND		2000	410	ug/Kg	尊	08/31/15 10:17	09/02/15 12:52	1
3-Nitroaniline	ND		410	41	ug/Kg	325	08/31/15 10:17	09/02/15 12:52	1
4-Nitroaniline	ND		2000	410	ug/Kg	尊	08/31/15 10:17	09/02/15 12:52	4
4-Nitrophenol	ND		2000	410	ug/Kg	122	08/31/15 10:17	09/02/15 12:52	1
Acenaphthene	ND		410	41	ug/Kg	*	08/31/15 10:17	09/02/15 12:52	1
Acenaphthylene	ND		410	41	ug/Kg	袋	08/31/15 10:17	09/02/15 12:52	1
Aniline	ND		410	74	ug/Kg	禁	08/31/15 10:17	09/02/15 12:52	1
Anthracene	ND		410	41	ug/Kg	*	08/31/15 10:17	09/02/15 12:52	1
Benzo[a]anthracene	ND		410	41	ug/Kg	*	08/31/15 10:17	09/02/15 12:52	1
Benzo[a]pyrene	ND		410	41	ug/Kg	**	08/31/15 10:17	09/02/15 12:52	1
Benzo[b]fluoranthene	ND		410	41	ug/Kg	**	08/31/15 10:17	09/02/15 12:52	1
Benzo[k]fluoranthene	ND		410	41	ug/Kg	10	08/31/15 10:17	09/02/15 12:52	1
bis (2-chloroisopropyl) ether	ND		410	41	ug/Kg	*	08/31/15 10:17	09/02/15 12:52	1
Bis(2-chloroethyl)ether	ND		410	41	ug/Kg	*	08/31/15 10:17	09/02/15 12:52	1
Bis(2-ethylhexyl) phthalate	130	JB	410	56	ug/Kg	益	08/31/15 10:17	09/02/15 12:52	1
Butyl benzyl phthalate	ND		410	41	ug/Kg	*	08/31/15 10:17	09/02/15 12:52	1
Chrysene	ND		410	41	ug/Kg	ø	08/31/15 10:17	09/02/15 12:52	1

Client: SEMS, Inc

Tetryl

Project/Site: Camp Minden Baseline Project

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

Result Qualifier

Lab Sample ID: 160-13469-20

TestAmerica Job ID: 160-13469-1

Matrix: Solid

Analyzed

Dil Fac

Client Sample ID: 2015.08.17.K1 Date Collected: 08/17/15 16:45 Date Received: 08/20/15 09:15 Percent Solids: 80.0

MDL Unit

D

Prepared

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		410	41		Ď	08/31/15 10:17	09/02/15 12:52	1
Dibenzofuran	ND		410	41		*	08/31/15 10:17	09/02/15 12:52	1
Diethyl phthalate	ND		410	41	ug/Kg	垃	08/31/15 10:17	09/02/15 12:52	1
Dimethyl phthalate	ND		410	41	ug/Kg	群	08/31/15 10:17	09/02/15 12:52	1
Di-n-butyl phthalate	ND		410	41	ug/Kg	**	08/31/15 10:17	09/02/15 12:52	1
Di-n-octyl phthalate	ND		410	41	ug/Kg	数	08/31/15 10:17	09/02/15 12:52	1
Diphenylamine	ND		410	41	ug/Kg	禁	08/31/15 10:17	09/02/15 12:52	1
Fluoranthene	ND		410	41	ug/Kg	***	08/31/15 10:17	09/02/15 12:52	1
Fluorene	ND		410	41	ug/Kg	**	08/31/15 10:17	09/02/15 12:52	1
Hexachlorobenzene	ND		410	41	ug/Kg	**	08/31/15 10:17	09/02/15 12:52	1
Hexachlorobutadiene	ND		410	41	ug/Kg	**	08/31/15 10:17	09/02/15 12:52	1
Hexachlorocyclopentadiene	ND		2000	410	ug/Kg	**	08/31/15 10:17	09/02/15 12:52	1
Hexachloroethane	ND		410	41	ug/Kg	**	08/31/15 10:17	09/02/15 12:52	1
Indeno[1,2,3-cd]pyrene	ND		410	41	ug/Kg	305	08/31/15 10:17	09/02/15 12:52	1
Isophorone	ND		410	41	m The Section	**	08/31/15 10:17		1
Naphthalene	ND		410	41	ug/Kg	**		09/02/15 12:52	1
Nitrobenzene	ND		410	41	ug/Kg	*		09/02/15 12:52	1
N-Nitrosodi-n-propylamine	ND		410	41	ug/Kg	**	08/31/15 10:17		1
Pentachlorophenol	ND		820		ug/Kg	*	08/31/15 10:17		1
Phenanthrene	ND		410	41	ug/Kg	125	08/31/15 10:17		1
Phenol	ND		410	41	ug/Kg	**	08/31/15 10:17		1
Pyrene	ND		410	41	ug/Kg	122	08/31/15 10:17		1
N-Nitrosodiphenylamine	ND		410		ug/Kg	**		09/02/15 12:52	1
14 Third God phonylamino	IND		4.0	77.1	ug/itg	-	00/31/13 10.17	08/02/13 12.32	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	88		56 - 97				08/31/15 10:17	09/02/15 12:52	1
2-Fluorophenol (Surr)	79		53 - 97				08/31/15 10:17	09/02/15 12:52	1
Nitrobenzene-d5 (Surr)	79		55 - 98				08/31/15 10:17	09/02/15 12:52	1
Phenol-d5 (Surr)	83		54 - 101				08/31/15 10:17	09/02/15 12:52	1
Terphenyl-d14 (Surr)	80		58 - 123				08/31/15 10:17	09/02/15 12:52	1
2,4,6-Tribromophenol (Surr)	102		46-111				08/31/15 10:17	09/02/15 12:52	1
Method: 8330B - Nitroaron	natics and Nitra	mines (HF	PLC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trinitrobenzene	ND		250	27	ug/Kg		08/24/15 08:38	08/29/15 18:00	1
1,3-Dinitrobenzene	ND		250	43	ug/Kg		08/24/15 08:38	08/29/15 18:00	1
2,4,6-Trinitrotoluene	ND		250	35	ug/Kg		08/24/15 08:38	08/29/15 18:00	1
2,4-Dinitrotoluene	ND		250	37	ug/Kg		08/24/15 08:38	08/29/15 18:00	1
2,6-Dinitrotoluene	ND		250		ug/Kg			08/29/15 18:00	1
2-Amino-4,6-dinitrotoluene	ND		250		ug/Kg		08/24/15 08:38	08/29/15 18:00	1
4-Amino-2,6-dinitrotoluene	ND		250		ug/Kg		08/24/15 08:38		1
3-Nitrotoluene	ND		250		ug/Kg			08/29/15 18:00	1
Nitrobenzene	ND		250		ug/Kg		08/24/15 08:38	08/29/15 18:00	4
Nitroglycerin	ND		1200		ug/Kg		08/24/15 08:38	08/29/15 18:00	1
2-Nitrotoluene							08/24/15 08:38		
4-Nitrotoluene	ND		250		ug/Kg			08/29/15 18:00	1
	ND		250	80	ug/Kg		08/24/15 08:38	08/29/15 18:00	1
PETN	ND		2500		ug/Kg		08/24/15 08:38	08/29/15 18:00	7
RDX	ND		250	61	ug/Kg		08/24/15 08:38	08/29/15 18:00	1
HMX	ND		250	38	ug/Kg		08/24/15 08:38	08/29/15 18:00	1

TestAmerica St. Louis

08/24/15 08:38 08/29/15 18:00

250

45 ug/Kg

ND

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

Client Sample ID: 2015.08.17.K1

Date Collected: 08/17/15 16:45 Date Received: 08/20/15 09:15

TestAmerica Job ID: 160-13469-1

Lab Sample ID: 160-13469-20

Matrix: Solid

Percent Solids: 80.0

Surrogate Limits %Recovery Qualifier Prepared Analyzed Dil Fac 1,2-Dinitrobenzene (Surr) 97 79 - 120 08/24/15 08:38 08/29/15 18:00

Client Sample ID: 2015.08.17.I-1

Date Collected: 08/17/15 17:00

Date Received: 08/20/15 09:15

Lab Sample ID: 160-13469-21

Matrix: Solid Percent Solids: 89.0

Method: 8260C - Volatile O Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	4.8	0.34	ug/Kg	京	08/27/15 15:48	08/27/15 21:09	1
1,1,1-Trichloroethane	ND	4.8	0.42	ug/Kg	台	08/27/15 15:48	08/27/15 21:09	1
1,1,2,2-Tetrachloroethane	ND	4.8	0.39	ug/Kg	**	08/27/15 15:48	08/27/15 21:09	1
1,1,2-Trichloroethane	ND	4.8	0.55	ug/Kg	益	08/27/15 15:48	08/27/15 21:09	1
1,1-Dichloroethane	ND	4.8	0.38	ug/Kg	尊	08/27/15 15:48	08/27/15 21:09	1
1,1-Dichloroethene	ND	4.8	1.6	ug/Kg	故	08/27/15 15:48	08/27/15 21:09	1
1,2-Dibromo-3-Chloropropane	ND	9.7	1.4	ug/Kg	**	08/27/15 15:48	08/27/15 21:09	1
1,2-Dichloroethane	ND	4.8	0.84	ug/Kg	数	08/27/15 15:48	08/27/15 21:09	1
1,2-Dichloropropane	ND	4.8	0.37	ug/Kg	**	08/27/15 15:48	08/27/15 21:09	1
1,3-Dichloropropene, Total	ND	9.7	0.92	ug/Kg	尊	08/27/15 15:48	08/27/15 21:09	1
2-Butanone (MEK)	3.5 J	19	1.9	ug/Kg	**	08/27/15 15:48	08/27/15 21:09	1
4-Methyl-2-pentanone (MIBK)	ND	19	0.71	ug/Kg	故	08/27/15 15:48	08/27/15 21:09	1
Acetone	74	19	6.3	ug/Kg	⇔	08/27/15 15:48	08/27/15 21:09	1
Benzene	ND	4.8		ug/Kg	数	08/27/15 15:48	08/27/15 21:09	1
Bromodichloromethane	ND	4.8	0.24	ug/Kg	**	08/27/15 15:48	08/27/15 21:09	1
Bromoform	ND	4.8	0.36	ug/Kg	*	08/27/15 15:48	08/27/15 21:09	1
Bromomethane	ND	9.7		ug/Kg	蚊	08/27/15 15:48	08/27/15 21:09	1
Carbon disulfide	ND	4.8		ug/Kg	故	08/27/15 15:48	08/27/15 21:09	1
Carbon tetrachloride	ND	4.8		ug/Kg	**	08/27/15 15:48	08/27/15 21:09	1
Chlorobenzene	ND	4.8	0.37	ug/Kg	305	08/27/15 15:48	08/27/15 21:09	1
Chlorodibromomethane	ND	4.8		ug/Kg	袋	08/27/15 15:48	08/27/15 21:09	1
Chloroethane	ND	9.7		ug/Kg	**	08/27/15 15:48	08/27/15 21:09	1
Chloroform	ND	4.8		ug/Kg	*	08/27/15 15:48	08/27/15 21:09	1
Chloromethane	ND	9.7	0.63	ug/Kg	**	08/27/15 15:48	08/27/15 21:09	1
cis-1,2-Dichloroethene	ND	4.8		ug/Kg	政	08/27/15 15:48	08/27/15 21:09	1
Ethylbenzene	ND	4.8	0.29		*	08/27/15 15:48	08/27/15 21:09	1
Hexachlorobutadiene	ND	4.8	0.66	ug/Kg	*	08/27/15 15:48	08/27/15 21:09	1
Isobutyl alcohol	ND	190		ug/Kg	**	08/27/15 15:48	08/27/15 21:09	1
Methyl tert-butyl ether	ND	4.8		ug/Kg	*		08/27/15 21:09	1
Methylene Chloride	ND	4.8		ug/Kg	3\$	되어보다 되는데 하는데 하다.	08/27/15 21:09	1
Styrene	ND	4.8		ug/Kg	*		08/27/15 21:09	1
Tetrachloroethene	ND	4.8		ug/Kg	325		08/27/15 21:09	1
Toluene	ND	4.8		ug/Kg	*		08/27/15 21:09	1
trans-1,2-Dichloroethene	ND	4.8		ug/Kg	**		08/27/15 21:09	1
Trichloroethene	ND	4.8		ug/Kg	*		08/27/15 21:09	1
Trichlorofluoromethane	ND	4.8		ug/Kg	**		08/27/15 21:09	1
Vinyl chloride	ND	4.8		ug/Kg	*		08/27/15 21:09	1
Xylenes, Total	ND	9.7		ug/Kg	328		08/27/15 21:09	1
Surrogate	%Recovery Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96	72 - 127				08/27/15 15:48	08/27/15 21:09	1
4-Bromofluorobenzene (Surr)	110	63 - 150				08/27/15 15:48	08/27/15 21:09	1

TestAmerica St. Louis

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Client: SEMS, Inc.

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

Client Sample ID: 2015.08.17.I-1

Date Collected: 08/17/15 17:00 Date Received: 08/20/15 09:15 Lab Sample ID: 160-13469-21

Matrix: Solid Percent Solids: 89.0

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

Surrogate	%Recovery Qualifie	r Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	100	70 - 126	08/27/15 15:48	08/27/15 21:09	1
Toluene-d8 (Surr)	108	80 - 120	08/27/15 15:48	08/27/15 21:09	1

Toluene-d8 (Surr)	108		80 - 120				08/27/15 15:48	08/27/15 21:09	1
Method: 8270D - Semivolatil	e Organic Co	ompounds	(GC/MS)						
Analyte		Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		370	37		**	08/31/15 10:17		1
1,2,4,5-Tetrachlorobenzene	ND		370	37	ug/Kg	*	08/31/15 10:17	09/02/15 13:24	1
1,2,4-Trichlorobenzene	ND		370	37	ug/Kg	**	08/31/15 10:17	09/02/15 13:24	1
1,2-Dichlorobenzene	ND		370	37	ug/Kg	*	08/31/15 10:17	09/02/15 13:24	1
1,3-Dichlorobenzene	ND		370	37	ug/Kg	尊	08/31/15 10:17	09/02/15 13:24	1
1,3-Dinitrobenzene	ND		370	37	ug/Kg	**	08/31/15 10:17	09/02/15 13:24	1
1,4-Dichlorobenzene	ND		370	37	ug/Kg	**	08/31/15 10:17	09/02/15 13:24	1
2,3,4,6-Tetrachlorophenol	ND		1800	37	ug/Kg	***	08/31/15 10:17	09/02/15 13:24	1
2,4,5-Trichlorophenol	ND		370	37	ug/Kg	**	08/31/15 10:17	09/02/15 13:24	1
2,4,6-Trichlorophenol	ND		370	37	ug/Kg	**	08/31/15 10:17	09/02/15 13:24	1
2,4-Dichlorophenol	ND		370	37	ug/Kg	*	08/31/15 10:17	09/02/15 13:24	1
2,4-Dimethylphenol	ND		370	37	ug/Kg	**	08/31/15 10:17	09/02/15 13:24	1
2,4-Dinitrophenol	ND		1800	370	ug/Kg	*	08/31/15 10:17	09/02/15 13:24	1
2,4-Dinitrotoluene	ND		370	37	ug/Kg	325	08/31/15 10:17	09/02/15 13:24	1
2,6-Dinitrotoluene	ND		370	37	ug/Kg	*	08/31/15 10:17	09/02/15 13:24	1
2-Chloronaphthalene	ND		370	37	ug/Kg	305	08/31/15 10:17	09/02/15 13:24	1
2-Chlorophenol	ND		370	37	ug/Kg	335	08/31/15 10:17	09/02/15 13:24	1
2-Methylnaphthalene	ND		370		ug/Kg	**		09/02/15 13:24	1
2-Nitroaniline	ND		370		ug/Kg	*	08/31/15 10:17	09/02/15 13:24	1
3,3'-Dichlorobenzidine	ND		1800		ug/Kg	*		09/02/15 13:24	1
3-Nitroaniline	ND		370	37		*	08/31/15 10:17		1
4-Nitroaniline	ND		1800		ug/Kg	*	08/31/15 10:17		1
4-Nitrophenol	ND		1800	370	777.17	100	08/31/15 10:17		1
Acenaphthene	ND		370	37	ug/Kg	**	08/31/15 10:17		1
Acenaphthylene	ND		370	37	Mining Advisory	*	08/31/15 10:17		1
Aniline	ND		370	67		*	08/31/15 10:17		4
Anthracene	ND		370	37		*	08/31/15 10:17		4
Benzo[a]anthracene	ND		370			*	08/31/15 10:17		4
Benzo[a]pyrene	ND		370	37		*	08/31/15 10:17		4
Benzo[b]fluoranthene	ND		370	37		**	08/31/15 10:17		4
Benzo[k]fluoranthene	ND		370	37	ug/Kg	*	08/31/15 10:17		,
bis (2-chloroisopropyl) ether	ND		370	37		*	08/31/15 10:17		
Bis(2-chloroethyl)ether	ND		370	37	ug/Kg	*	08/31/15 10:17		
Bis(2-ethylhexyl) phthalate	130	10	370		ug/Kg	*	경기 경기 있는 아니는 하는 것이 없는 것이다.		1
	ND	JB	370				08/31/15 10:17		7
Butyl benzyl phthalate Chrysene					ug/Kg	**	08/31/15 10:17		1
	ND		370		ug/Kg	344	08/31/15 10:17		1
Dibenz(a,h)anthracene Dibenzofuran	ND		370		ug/Kg	444	08/31/15 10:17		9
	ND		370			Φ.	08/31/15 10:17		1
Diethyl phthalate	ND		370		ug/Kg	a	08/31/15 10:17		1
Dimethyl phthalate	ND		370		ug/Kg	₩.	08/31/15 10:17		1
Di-n-butyl phthalate	ND		370		ug/Kg	φ.	08/31/15 10:17		1
Di-n-octyl phthalate	ND		370		ug/Kg	φ.	08/31/15 10:17		1
Diphenylamine	ND		370				08/31/15 10:17		1
Fluoranthene	ND		370	37	ug/Kg	10-	08/31/15 10:17	09/02/15 13:24	1

Client: SEMS, Inc.

Project/Site: Camp Minden Baseline Project

Client Sample ID: 2015.08.17.I-1

Date Collected: 08/17/15 17:00 Date Received: 08/20/15 09:15 TestAmerica Job ID: 160-13469-1

Lab Sample ID: 160-13469-21

Matrix: Solid

Percent Solids: 89 0

ate Received: 08/20/15 09:	15		-					Percent Solid	ls: 89.0
Method: 8270D - Semivola Analyte		mpounds Qualifier	(GC/MS) (Co) Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	ND		370	37	ug/Kg	- 0	08/31/15 10:17	09/02/15 13:24	1
Hexachlorobenzene	ND		370	37	ug/Kg	32	08/31/15 10:17	09/02/15 13:24	1
Hexachlorobutadiene	ND		370	37	ug/Kg	*	08/31/15 10:17	09/02/15 13:24	1
Hexachlorocyclopentadiene	ND		1800	370	ug/Kg	3\$	08/31/15 10:17	09/02/15 13:24	1
Hexachloroethane	ND		370	37	ug/Kg	*	08/31/15 10:17	09/02/15 13:24	1
Indeno[1,2,3-cd]pyrene	ND		370	37	ug/Kg	*	08/31/15 10:17	09/02/15 13:24	1
Isophorone	ND		370	37	ug/Kg	尊	08/31/15 10:17	09/02/15 13:24	1
Naphthalene	ND		370	37	ug/Kg	尊	08/31/15 10:17	09/02/15 13:24	1
Nitrobenzene	ND		370	37	ug/Kg	袋	08/31/15 10:17	09/02/15 13:24	1
N-Nitrosodi-n-propylamine	ND		370	37	ug/Kg	尊	08/31/15 10:17	09/02/15 13:24	1
Pentachlorophenol	ND		740	370	ug/Kg	*	08/31/15 10:17	09/02/15 13:24	1
Phenanthrene	ND		370	37	ug/Kg	ø	08/31/15 10:17	09/02/15 13:24	1
Phenol	ND		370	37	ug/Kg	*	08/31/15 10:17	09/02/15 13:24	1
Pyrene	ND		370	37	ug/Kg	**	08/31/15 10:17	09/02/15 13:24	1
N-Nitrosodiphenylamine	ND		370	37	ug/Kg	₿	08/31/15 10:17	09/02/15 13:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	87	-	56 - 97				08/31/15 10:17	09/02/15 13:24	1
2-Fluorophenol (Surr)	80		53 - 97				08/31/15 10:17	09/02/15 13:24	1
Nitrobenzene-d5 (Surr)	80		55 - 98				08/31/15 10:17	09/02/15 13:24	1
Phenol-d5 (Surr)	83		54 - 101				08/31/15 10:17	09/02/15 13:24	1
Terphenyl-d14 (Surr)	79		58 - 123				08/31/15 10:17	09/02/15 13:24	1
2,4,6-Tribromophenol (Surr)	103		46 - 111				08/31/15 10:17	09/02/15 13:24	1
Method: 8330B - Nitroaron	natics and Nitra	amines (HI	PLC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trinitrobenzene	ND		230	25	ug/Kg	-5	08/24/15 08:40	08/29/15 19:09	1
d O Distante a marine	AID		200	40			00101145 00 10		4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trinitrobenzene	ND		230	25	ug/Kg	-5	08/24/15 08:40	08/29/15 19:09	1
1,3-Dinitrobenzene	ND		230	40	ug/Kg		08/24/15 08:40	08/29/15 19:09	1
2,4,6-Trinitrotoluene	ND		230	33	ug/Kg		08/24/15 08:40	08/29/15 19:09	1
2,4-Dinitrotoluene	ND		230	35	ug/Kg		08/24/15 08:40	08/29/15 19:09	1
2,6-Dinitrotoluene	ND		230	58	ug/Kg		08/24/15 08:40	08/29/15 19:09	1
2-Amino-4,6-dinitrotoluene	ND		230	39	ug/Kg		08/24/15 08:40	08/29/15 19:09	1
4-Amino-2,6-dinitrotoluene	ND		230	85	ug/Kg		08/24/15 08:40	08/29/15 19:09	1
3-Nitrotoluene	ND		230	51	ug/Kg		08/24/15 08:40	08/29/15 19:09	1
Nitrobenzene	ND		230	40	ug/Kg		08/24/15 08:40	08/29/15 19:09	1
Nitroglycerin	ND		1100	250	ug/Kg		08/24/15 08:40	08/29/15 19:09	1
2-Nitrotoluene	ND		230	60	ug/Kg		08/24/15 08:40	08/29/15 19:09	1
4-Nitrotoluene	ND		230	74	ug/Kg		08/24/15 08:40	08/29/15 19:09	1
PETN	ND		2300	310	ug/Kg		08/24/15 08:40	08/29/15 19:09	1
RDX	ND		230	57	ug/Kg		08/24/15 08:40	08/29/15 19:09	1
HMX	ND		230	36	ug/Kg		08/24/15 08:40	08/29/15 19:09	1
Tetryl	ND		230	42	ug/Kg		08/24/15 08:40	08/29/15 19:09	.1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1.2-Dinitrobenzene (Surr)	104	Carlotte and the second	79 120				08/24/15 08:40	08/20/15 10:00	- 1

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

Client Sample ID: 2015.08.17 DUP #02 Lab Sample ID: 160-13469-22

Method: 8260C - Volatile O					\$2.46				
Analyte		Qualifier	RL		Unit	D		Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		4.9		ug/Kg	**	08/27/15 15:48	08/27/15 21:34	
1,1,1-Trichloroethane	ND		4.9		ug/Kg	Þ	08/27/15 15:48	08/27/15 21:34	
1,1,2,2-Tetrachloroethane	ND		4.9		ug/Kg	**	08/27/15 15:48	08/27/15 21:34	
1,1,2-Trichloroethane	ND		4.9		ug/Kg	**		08/27/15 21:34	
1,1-Dichloroethane	ND		4.9		ug/Kg	**	08/27/15 15:48	08/27/15 21:34	
1,1-Dichloroethene	ND		4.9	1.6	ug/Kg	*	08/27/15 15:48	08/27/15 21:34	
1,2-Dibromo-3-Chloropropane	ND		9.8		ug/Kg	*	08/27/15 15:48	08/27/15 21:34	-
1,2-Dichloroethane	ND		4.9	0.86	ug/Kg	**	08/27/15 15:48	08/27/15 21:34	
1,2-Dichloropropane	ND		4.9	0.37	ug/Kg	**	08/27/15 15:48	08/27/15 21:34	
1,3-Dichloropropene, Total	ND		9.8	0.93	ug/Kg	Ø	08/27/15 15:48	08/27/15 21:34	
2-Butanone (MEK)	ND		20	1.9	ug/Kg	×	08/27/15 15:48	08/27/15 21:34	
4-Methyl-2-pentanone (MIBK)	ND		20	0.72	ug/Kg	Ø	08/27/15 15:48	08/27/15 21:34	1
Acetone	31		20	6.4	ug/Kg	*	08/27/15 15:48	08/27/15 21:34	
Benzene	ND		4.9	0.25	ug/Kg	*	08/27/15 15:48	08/27/15 21:34	19
Bromodichloromethane	ND		4.9		ug/Kg	**	08/27/15 15:48	08/27/15 21:34	
Bromoform	ND		4.9	0.36	ug/Kg	*	08/27/15 15:48	08/27/15 21:34	1
Bromomethane	ND		9.8	1.1	ug/Kg	*	08/27/15 15:48	08/27/15 21:34	9
Carbon disulfide	ND		4.9	0.68	ug/Kg	*	08/27/15 15:48	08/27/15 21:34	4
Carbon tetrachloride	ND		4.9		ug/Kg	*	08/27/15 15:48	08/27/15 21:34	
Chlorobenzene	ND		4.9		ug/Kg	*	08/27/15 15:48	08/27/15 21:34	1
Chlorodibromomethane	ND		4.9		ug/Kg	*	08/27/15 15:48	08/27/15 21:34	4
Chloroethane	ND		9.8		ug/Kg	*	08/27/15 15:48	08/27/15 21:34	
Chloroform	ND		4.9			*	08/27/15 15:48	08/27/15 21:34	1
Chloromethane	ND		9.8		ug/Kg	*	08/27/15 15:48	08/27/15 21:34	
cis-1,2-Dichloroethene	ND		4.9		ug/Kg	*	08/27/15 15:48	08/27/15 21:34	1
Ethylbenzene	ND		4.9			*		08/27/15 21:34	
Hexachlorobutadiene	ND		4.9			*		08/27/15 21:34	
Isobutyl alcohol	ND		200		ug/Kg	*	08/27/15 15:48		
Methyl tert-butyl ether	ND		4.9		ug/Kg	**	08/27/15 15:48	08/27/15 21:34	1
Methylene Chloride	ND		4.9		ug/Kg	*	08/27/15 15:48	08/27/15 21:34	4
Styrene	ND		4.9		ug/Kg	*	08/27/15 15:48	08/27/15 21:34	
Tetrachloroethene	ND		4.9	0.34		*		08/27/15 21:34	-
Toluene	ND		4.9		ug/Kg	*	08/27/15 15:48		- 2
trans-1,2-Dichloroethene	ND				ug/Kg	*	08/27/15 15:48	08/27/15 21:34	- !
Frichloroethene	ND		4.9		ug/Kg	*	08/27/15 15:48	08/27/15 21:34	1
			4.9		ug/Kg			08/27/15 21:34	3
Trichlorofluoromethane	ND		4.9		ug/Kg	**	08/27/15 15:48		
Vinyl chloride	ND		4.9		ug/Kg	**	08/27/15 15:48		3
Kylenes, Total	ND		9.8	0.84	ug/Kg	-03	08/27/15 15:48	08/27/15 21:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		72 - 127				08/27/15 15:48	08/27/15 21:34	1
4-Bromofluorobenzene (Surr)	110		63 - 150				08/27/15 15:48	08/27/15 21:34	1
Dibromofluoromethane (Surr)	99		70 - 126				08/27/15 15:48	08/27/15 21:34	1
Toluene-d8 (Surr)	107		80 - 120				08/27/15 15:48	08/27/15 21:34	1
Wethod: 8270D - Semivolat	ile Organic Co	mpounds	(GC/MS)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND	. 2.77.71	390		ug/Kg	- p	08/31/15 10:17	09/02/15 13:57	1
1,2,4,5-Tetrachlorobenzene	ND		390		ug/Kg	*		09/02/15 13:57	1
,2,4-Trichlorobenzene	ND		390		ug/Kg	*		09/02/15 13:57	1

TestAmerica St. Louis

TestAmerica Job ID: 160-13469-1

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

Lab Sample ID: 160-13469-22

Client Sample ID: 2015.08.17 DUP #02

Date Collected: 08/17/15 17:00

Matrix: Solid Date Received: 08/20/15 09:15 Percent Solids: 84.8

Method: 8270D - Semivolatile malyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil F
,2-Dichlorobenzene	ND	390	39	ug/Kg	37	08/31/15 10:17	09/02/15 13:57	
,3-Dichlorobenzene	ND	390	39	ug/Kg	*	08/31/15 10:17	09/02/15 13:57	
,3-Dinitrobenzene	ND	390	39	ug/Kg	325	08/31/15 10:17	09/02/15 13:57	
,4-Dichlorobenzene	ND	390	39	ug/Kg	**	08/31/15 10:17	09/02/15 13:57	
,3,4,6-Tetrachlorophenol	ND	1900	39	ug/Kg	**	08/31/15 10:17	09/02/15 13:57	
,4,5-Trichlorophenol	ND	390	39	ug/Kg	**	08/31/15 10:17	09/02/15 13:57	
,4,6-Trichlorophenol	ND	390	39	ug/Kg	**	08/31/15 10:17	09/02/15 13:57	
,4-Dichlorophenol	ND	390	39	ug/Kg	*	08/31/15 10:17	09/02/15 13:57	
,4-Dimethylphenol	ND	390	39	ug/Kg	**	08/31/15 10:17	09/02/15 13:57	
,4-Dinitrophenol	ND	1900	390	ug/Kg	**	08/31/15 10:17	09/02/15 13:57	
,4-Dinitrotoluene	ND	390	39	ug/Kg	**	08/31/15 10:17	09/02/15 13:57	
,6-Dinitrotoluene	ND	390	39	ug/Kg	*	08/31/15 10:17	09/02/15 13:57	
-Chloronaphthalene	ND	390	39	ug/Kg	**	08/31/15 10:17	09/02/15 13:57	
-Chlorophenol	ND	390	39	ug/Kg	*	08/31/15 10:17	09/02/15 13:57	
-Methylnaphthalene	ND	390	39	ug/Kg	*	08/31/15 10:17	09/02/15 13:57	
-Nitroaniline	ND	390	39	ug/Kg	*	08/31/15 10:17	09/02/15 13:57	
3'-Dichlorobenzidine	ND	1900	390	ug/Kg	**	08/31/15 10:17		
-Nitroaniline	ND	390	39	ug/Kg	**	08/31/15 10:17		
-Nitroaniline	ND	1900	390	ug/Kg	*	08/31/15 10:17		
-Nitrophenol	ND	1900	390	ug/Kg	*	08/31/15 10:17	09/02/15 13:57	
cenaphthene	ND	390	39	ug/Kg	*	08/31/15 10:17	09/02/15 13:57	
cenaphthylene	ND	390	39	ug/Kg	**	08/31/15 10:17		
niline	ND	390	70	ug/Kg	*	08/31/15 10:17		
nthracene	ND	390	39	ug/Kg	**	08/31/15 10:17		
Senzo[a]anthracene	ND	390	39	ug/Kg	×	08/31/15 10:17		
Senzo[a]pyrene	ND	390	39	ug/Kg	**	08/31/15 10:17		
Benzo[b]fluoranthene	ND	390	39	ug/Kg	*	08/31/15 10:17		
Senzo[k]fluoranthene	ND	390	39	ug/Kg	**	08/31/15 10:17		
is (2-chloroisopropyl) ether	ND	390	39	ug/Kg	**	08/31/15 10:17		
Bis(2-chloroethyl)ether	ND	390	39	ug/Kg	*	08/31/15 10:17		
Bis(2-ethylhexyl) phthalate	ND	390		ug/Kg	*		09/02/15 13:57	
Butyl benzyl phthalate	ND	390	39	1,100	*		09/02/15 13:57	
Chrysene	ND	390	39	ug/Kg	***	08/31/15 10:17		
Dibenz(a,h)anthracene	ND	390	39		**			
Dibenzofuran	ND	390		ug/Kg	**	08/31/15 10:17	09/02/15 13:57	
Diethyl phthalate	132	.622	16.5	ug/Kg	350			
PERCENT TO THE REAL CONTROL	ND	390	39	ug/Kg	**	08/31/15 10:17	09/02/15 13:57	
Dimethyl phthalate	ND	390			**		09/02/15 13:57	
Di-n-butyl phthalate	ND	390	39		**		09/02/15 13:57	
Di-n-octyl phthalate	ND	390	39		**		09/02/15 13:57	
Diphenylamine	ND	390	39	ug/Kg	**		09/02/15 13:57	
luoranthene	ND	390	39		₩.	08/31/15 10:17		
luorene	ND	390	39	(T. C.	**		09/02/15 13:57	
lexachlorobenzene	ND	390	39	ug/Kg	**		09/02/15 13:57	
lexachlorobutadiene	ND	390	39	10.120.0120	**		09/02/15 13:57	
lexachlorocyclopentadiene	ND	1900		ug/Kg	**		09/02/15 13:57	
fexachloroethane	ND	390		ug/Kg	**		09/02/15 13:57	
ndeno[1,2,3-cd]pyrene	ND	390	39	ug/Kg	**	08/31/15 10:17	09/02/15 13:57	
sophorone	ND	390		ug/Kg	305	08/31/15 10:17	09/02/15 13:57	

Client: SEMS, Inc.

Project/Site: Camp Minden Baseline Project

Client Sample ID: 2015.08.17 DUP #02

Date Collected: 08/17/15 17:00 Date Received: 08/20/15 09:15 Lab Sample ID: 160-13469-22

TestAmerica Job ID: 160-13469-1

Matrix: Solid

Percent Solids: 84.8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	ND		390	39	ug/Kg	T.	08/31/15 10:17	09/02/15 13:57	1
N-Nitrosodi-n-propylamine	ND		390	39	ug/Kg	尊	08/31/15 10:17	09/02/15 13:57	1
Pentachlorophenol	ND		780	390	ug/Kg	*	08/31/15 10:17	09/02/15 13:57	1
Phenanthrene	ND		390	39	ug/Kg	**	08/31/15 10:17	09/02/15 13:57	1
Phenol	ND		390	39	ug/Kg	**	08/31/15 10:17	09/02/15 13:57	1
Pyrene	ND		390	39	ug/Kg	**	08/31/15 10:17	09/02/15 13:57	1
N-Nitrosodiphenylamine	ND		390	39	ug/Kg	**	08/31/15 10:17	09/02/15 13:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	84		56-97				08/31/15 10:17	09/02/15 13:57	1
2-Fluorophenol (Surr)	77		53-97				08/31/15 10:17	09/02/15 13:57	1
Nitrobenzene-d5 (Surr)	77		55 - 98				08/31/15 10:17	09/02/15 13:57	1
Phenol-d5 (Surr)	80		54 - 101				08/31/15 10:17	09/02/15 13:57	1
Terphenyl-d14 (Surr)	76		58 - 123				08/31/15 10:17	09/02/15 13:57	1
2,4,6-Tribromophenol (Surr)	101		46 - 111				08/31/15 10:17	09/02/15 13:57	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trinitrobenzene	ND		250	27	ug/Kg		08/24/15 08:40	08/29/15 19:32	1
1,3-Dinitrobenzene	ND		250	43	ug/Kg		08/24/15 08:40	08/29/15 19:32	1
2,4,6-Trinitrotoluene	ND		250	36	ug/Kg		08/24/15 08:40	08/29/15 19:32	1
2,4-Dinitrotoluene	ND		250	38	ug/Kg		08/24/15 08:40	08/29/15 19:32	1
2,6-Dinitrotoluene	ND		250	64	ug/Kg		08/24/15 08:40	08/29/15 19:32	1
2-Amino-4,6-dinitrotoluene	ND		250	43	ug/Kg		08/24/15 08:40	08/29/15 19:32	1
4-Amino-2,6-dinitrotoluene	ND		250	93	ug/Kg		08/24/15 08:40	08/29/15 19:32	1
3-Nitrotoluene	ND		250	56	ug/Kg		08/24/15 08:40	08/29/15 19:32	1
Nitrobenzene	ND		250	43	ug/Kg		08/24/15 08:40	08/29/15 19:32	1
Nitroglycerin	ND		1200	270	ug/Kg		08/24/15 08:40	08/29/15 19:32	1
2-Nitrotoluene	ND		250	65	ug/Kg		08/24/15 08:40	08/29/15 19:32	1
4-Nitrotoluene	ND		250	81	ug/Kg		08/24/15 08:40	08/29/15 19:32	1
PETN	ND		2500	340	ug/Kg		08/24/15 08:40	08/29/15 19:32	1
RDX	ND		250	62	ug/Kg		08/24/15 08:40	08/29/15 19:32	1
HMX	ND		250	39	ug/Kg		08/24/15 08:40	08/29/15 19:32	1
Tetryl	ND		250	46	ug/Kg		08/24/15 08:40	08/29/15 19:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dinitrobenzene (Surr)	97		79 - 120				08/24/15 08:40	08/29/15 19:32	1

Client Sample ID: 2015 08 17 M1

Date Collected: 08/17/15 17:15 Date Received: 08/20/15 09:15

Lab Sample ID: 160-13469-23

Matrix: Solid Percent Solids: 89.3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	F2	4.8	0.33	ug/Kg	**	08/27/15 15:48	08/27/15 17:46	1
1,1,1-Trichloroethane	ND	F2	4.8	0.41	ug/Kg	**	08/27/15 15:48	08/27/15 17:46	- 1
1,1,2,2-Tetrachloroethane	ND	F2	4.8	0.38	ug/Kg	**	08/27/15 15:48	08/27/15 17:46	- 1
1,1,2-Trichloroethane	ND	F2	4.8	0.54	ug/Kg	*	08/27/15 15:48	08/27/15 17:46	1
1,1-Dichloroethane	ND	F2	4.8	0.37	ug/Kg	**	08/27/15 15:48	08/27/15 17:46	1
1,1-Dichloroethene	ND	F2	4.8	1.5	ug/Kg	尊	08/27/15 15:48	08/27/15 17:46	1

Client: SEMS, Inc.

Project/Site: Camp Minden Baseline Project

Client Sample ID: 2015 08 17 M1

Date Collected: 08/17/15 17:15

Lab Sample ID: 160-13469-23 Matrix: Solid

TestAmerica Job ID: 160-13469-1

Matrix: Solid Percent Solids: 89.3

Date Received: 08/20/15 09:15 Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND	F2	9.5	1.4	ug/Kg	p	08/27/15 15:48	08/27/15 17:46	7
1,2-Dichloroethane	ND	F2	4.8	0.83	ug/Kg	幹	08/27/15 15:48	08/27/15 17:46	9
1,2-Dichloropropane	ND	F2	4.8	0.36	ug/Kg	100	08/27/15 15:48	08/27/15 17:46	1
1,3-Dichloropropene, Total	ND		9.5	0.90	ug/Kg	粹	08/27/15 15:48	08/27/15 17:46	1
2-Butanone (MEK)	ND	F2	19	1.8	ug/Kg	***	08/27/15 15:48	08/27/15 17:46	1
4-Methyl-2-pentanone (MIBK)	ND	F2	19	0.69	ug/Kg	**	08/27/15 15:48	08/27/15 17:46	1
Acetone	7.4	JF1	19	6.2	ug/Kg	303	08/27/15 15:48	08/27/15 17:46	1
Benzene	ND	F2	4.8	0.24	ug/Kg	鉄	08/27/15 15:48	08/27/15 17:46	1
Bromodichloromethane	ND	F2	4.8	0.24	ug/Kg	***	08/27/15 15:48	08/27/15 17:46	1
Bromoform	ND	F2	4.8	0.35	ug/Kg	**	08/27/15 15:48	08/27/15 17:46	1
Bromomethane	ND	F2	9.5	1.0	ug/Kg	紋	08/27/15 15:48	08/27/15 17:46	1
Carbon disulfide	ND	F2	4.8	0.66	ug/Kg	袋	08/27/15 15:48	08/27/15 17:46	न
Carbon tetrachloride	ND	F2	4.8	0.49	ug/Kg	335	08/27/15 15:48	08/27/15 17:46	1
Chlorobenzene	ND	F2	4.8	0.36	ug/Kg	**	08/27/15 15:48	08/27/15 17:46	1
Chlorodibromomethane	ND	F2	4.8	0.39	ug/Kg	***	08/27/15 15:48	08/27/15 17:46	1
Chloroethane	ND	F2	9.5	0.49	ug/Kg	**	08/27/15 15:48	08/27/15 17:46	1
Chloroform	ND	F2	4.8	0.36	ug/Kg	⇔	08/27/15 15:48	08/27/15 17:46	1
Chloromethane	ND	F2	9.5	0.62	ug/Kg	**	08/27/15 15:48	08/27/15 17:46	1
cis-1,2-Dichloroethene	ND	F2	4.8	0.57	ug/Kg	**	08/27/15 15:48	08/27/15 17:46	1
Ethylbenzene	ND	F2	4.8	0.29	ug/Kg	**	08/27/15 15:48	08/27/15 17:46	1
Hexachlorobutadiene	ND	F2	4.8	0.65	ug/Kg	袋	08/27/15 15:48	08/27/15 17:46	1
Isobutyl alcohol	ND	F2	190	24	ug/Kg	袋	08/27/15 15:48	08/27/15 17:46	- 1
Methyl tert-butyl ether	ND	F2	4.8	0.46	ug/Kg	**	08/27/15 15:48	08/27/15 17:46	1
Methylene Chloride	ND	F2	4.8	1.5	ug/Kg	数	08/27/15 15:48	08/27/15 17:46	1
Styrene	ND	F2	4.8	0.33	ug/Kg	袋	08/27/15 15:48	08/27/15 17:46	1
Tetrachloroethene	ND	F2	4.8	0.30	ug/Kg	鉄	08/27/15 15:48	08/27/15 17:46	1
Toluene	ND	F2	4.8	0.67	ug/Kg	**	08/27/15 15:48	08/27/15 17:46	1
trans-1,2-Dichloroethene	ND	F2	4.8	0.89	ug/Kg	数	08/27/15 15:48	08/27/15 17:46	1
Trichloroethene	ND	F2	4.8	0.37	ug/Kg	335	08/27/15 15:48	08/27/15 17:46	1
Trichlorofluoromethane	ND	F2	4.8	0.48	ug/Kg	*	08/27/15 15:48	08/27/15 17:46	4
Vinyl chloride	ND	F2	4.8	0.41	ug/Kg	禁	08/27/15 15:48	08/27/15 17:46	1
Xylenes, Total	ND	F2	9.5	0.81	ug/Kg	**	08/27/15 15:48	08/27/15 17:46	1
2 acceptable	100000000000000000000000000000000000000		0.0/500				25.05.000	2245000	0.000

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		72 - 127	08/27/15 15:48	08/27/15 17:46	1
4-Bromofluorobenzene (Surr)	103		63 - 150	08/27/15 15:48	08/27/15 17:46	1
Dibromofluoromethane (Surr)	100		70 - 126	08/27/15 15:48	08/27/15 17:46	1
Toluene-d8 (Surr)	105		80 - 120	08/27/15 15:48	08/27/15 17:46	1

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

Analyte	the second secon	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		370	37	ug/Kg	Ø	08/31/15 10:17	09/02/15 14:30	1
1,2,4,5-Tetrachlorobenzene	ND		370	37	ug/Kg	**	08/31/15 10:17	09/02/15 14:30	1
1,2,4-Trichlorobenzene	ND	F1	370	37	ug/Kg	故	08/31/15 10:17	09/02/15 14:30	1
1,2-Dichlorobenzene	ND	F1	370	37	ug/Kg	**	08/31/15 10:17	09/02/15 14:30	1
1,3-Dichlorobenzene	ND	F1	370	37	ug/Kg	Ö	08/31/15 10:17	09/02/15 14:30	1
1,3-Dinitrobenzene	ND		370	37	ug/Kg	**	08/31/15 10:17	09/02/15 14:30	1
1,4-Dichlorobenzene	ND	F1	370	37	ug/Kg	数	08/31/15 10:17	09/02/15 14:30	1
2,3,4,6-Tetrachlorophenol	ND		1800	37	ug/Kg	*	08/31/15 10:17	09/02/15 14:30	1
2,4,5-Trichlorophenol	ND	F1	370	37	ug/Kg	尊	08/31/15 10:17	09/02/15 14:30	1

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

Client Sample ID: 2015 08 17 M1

Date Collected: 08/17/15 17:15 Date Received: 08/20/15 09:15 Lab Sample ID: 160-13469-23

TestAmerica Job ID: 160-13469-1

Matrix: Solid

Percent Solids: 89.3

Method: 8270D - Semivolati Analyte		Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	ND	Qualifier	370	37		- 8	08/31/15 10:17	09/02/15 14:30	Direc
2,4-Dichlorophenol	ND		370	37		*	08/31/15 10:17	09/02/15 14:30	1
2,4-Dimethylphenol	ND		370	37		**	08/31/15 10:17	09/02/15 14:30	
2,4-Dinitrophenol	ND		1800		ug/Kg	*	08/31/15 10:17	09/02/15 14:30	
2,4-Dinitrotoluene	ND		370	370		*	08/31/15 10:17	09/02/15 14:30	1
2,6-Dinitrotoluene	ND		370	37		*	08/31/15 10:17	09/02/15 14:30	4
2-Chloronaphthalene	ND		370			*			1
2-Chlorophenol	ND		370	37			08/31/15 10:17	09/02/15 14:30	1
		F4		37	~ ~	**	08/31/15 10:17	09/02/15 14:30	
2-Methylnaphthalene 2-Nitroaniline	ND	F1	370	37	9 9	*	08/31/15 10:17	09/02/15 14:30	1
	ND	-4	370	37	ug/Kg	***	08/31/15 10:17	09/02/15 14:30	1
3,3'-Dichlorobenzidine	ND	F1	1800	370	ug/Kg	*	08/31/15 10:17	09/02/15 14:30	1
3-Nitroaniline	ND		370	37	ug/Kg	**	08/31/15 10:17	09/02/15 14:30	1
4-Nitroaniline	ND		1800	370	ug/Kg	D	08/31/15 10:17	09/02/15 14:30	1
4-Nitrophenol	ND		1800	370	ug/Kg	135	08/31/15 10:17	09/02/15 14:30	1
Acenaphthene	ND		370	37	ug/Kg	Þ	08/31/15 10:17	09/02/15 14:30	1
Acenaphthylene	ND		370	37	ug/Kg	**	08/31/15 10:17	09/02/15 14:30	1
Aniline	ND		370	67	ug/Kg	×	08/31/15 10:17	09/02/15 14:30	1
Anthracene	ND		370	37	ug/Kg	尊	08/31/15 10:17	09/02/15 14:30	4
Benzo[a]anthracene	ND		370	37	ug/Kg	100	08/31/15 10:17	09/02/15 14:30	1
Benzo[a]pyrene	ND		370	37	ug/Kg	*	08/31/15 10:17	09/02/15 14:30	1
Benzo[b]fluoranthene	ND		370	37	ug/Kg	鉄	08/31/15 10:17	09/02/15 14:30	1
Benzo[k]fluoranthene	ND		370	37	ug/Kg	尊	08/31/15 10:17	09/02/15 14:30	1
bis (2-chloroisopropyl) ether	ND		370	37	ug/Kg	**	08/31/15 10:17	09/02/15 14:30	1
Bis(2-chloroethyl)ether	ND		370	37	ug/Kg	*	08/31/15 10:17	09/02/15 14:30	1
Bis(2-ethylhexyl) phthalate	ND		370	51	ug/Kg	**	08/31/15 10:17	09/02/15 14:30	1
Butyl benzyl phthalate	ND		370	37	ug/Kg	尊	08/31/15 10:17	09/02/15 14:30	1
Chrysene	ND		370	37	ug/Kg	*	08/31/15 10:17	09/02/15 14:30	1
Dibenz(a,h)anthracene	ND		370	37	ug/Kg	*	08/31/15 10:17	09/02/15 14:30	1
Dibenzofuran	ND		370	37	ug/Kg	*	08/31/15 10:17	09/02/15 14:30	1
Diethyl phthalate	ND		370	37	ug/Kg	*	08/31/15 10:17	09/02/15 14:30	1
Dimethyl phthalate	ND		370	37	ug/Kg	*	08/31/15 10:17	09/02/15 14:30	1
Di-n-butyl phthalate	ND		370	37	ug/Kg	*	08/31/15 10:17	09/02/15 14:30	1
Di-n-octyl phthalate	ND		370	37	ug/Kg	**	08/31/15 10:17	09/02/15 14:30	1
Diphenylamine	ND		370	37	ug/Kg	*	08/31/15 10:17	09/02/15 14:30	14
Fluoranthene	ND		370		ug/Kg	*	08/31/15 10:17	09/02/15 14:30	1
Fluorene	ND		370	37	ug/Kg	*		- J.H. 1770 (1 3 17 17 7 7 1	1
Hexachlorobenzene	ND		370		ug/Kg	*	08/31/15 10:17		4
Hexachlorobutadiene		F1	370		ug/Kg	**	08/31/15 10:17		1
Hexachlorocyclopentadiene	ND	• •	1800		ug/Kg	*	08/31/15 10:17		,
Hexachloroethane	ND		370			*	08/31/15 10:17		- 2
ndeno[1,2,3-cd]pyrene	ND		370		ug/Kg	- 5			
sophorone	ND				ug/Kg	22	08/31/15 10:17		1
45 1100 THO		E4	370		ug/Kg	₩.	08/31/15 10:17		- 3
Naphthalene	ND	E1.	370		ug/Kg	**	08/31/15 10:17		1
Nitrobenzene	ND		370		ug/Kg	*	08/31/15 10:17		1
N-Nitrosodi-n-propylamine	ND		370		ug/Kg	***	08/31/15 10:17		1
Pentachlorophenol	ND		740		ug/Kg	*	08/31/15 10:17		1
henanthrene	ND		370		ug/Kg	**	08/31/15 10:17		1
Phenol	ND		370		ug/Kg	*	08/31/15 10:17		1
Pyrene	ND		370	37	ug/Kg	**	08/31/15 10:17	09/02/15 14:30	1

Client: SEMS, Inc.

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

Client Sample ID: 2015 08 17 M1

Date Collected: 08/17/15 17:15 Date Received: 08/20/15 09:15 Lab Sample ID: 160-13469-23

Matrix: Solid

Percent Solids: 89.3

Method: 62/0D - Semivolat	ne Organic Co	mpounds (C	C/WS) (COI	nunuea)		
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared
AT ADA Dela control del	115		270		0.4	50	2010/11/07

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		370	37	ug/Kg	章	08/31/15 10:17	09/02/15 14:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	78		56-97				08/31/15 10:17	09/02/15 14:30	1
2-Fluorophenol (Surr)	71		53 - 97				08/31/15 10:17	09/02/15 14:30	1
Nitrobenzene-d5 (Surr)	71		55 - 98				08/31/15 10:17	09/02/15 14:30	1
Phenol-d5 (Surr)	73		54 - 101				08/31/15 10:17	09/02/15 14:30	1
Terphenyl-d14 (Surr)	70		58 - 123				08/31/15 10:17	09/02/15 14:30	1
2,4,6-Tribromophenol (Surr)	88		46-111				08/31/15 10:17	09/02/15 14:30	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trinitrobenzene	ND		240	26	ug/Kg		08/24/15 08:40	08/29/15 19:55	1
1,3-Dinitrobenzene	ND		240	41	ug/Kg		08/24/15 08:40	08/29/15 19:55	1
2,4,6-Trinitrotoluene	ND		240	34	ug/Kg		08/24/15 08:40	08/29/15 19:55	1
2,4-Dinitrotoluene	ND		240	36	ug/Kg		08/24/15 08:40	08/29/15 19:55	1
2,6-Dinitrotoluene	ND		240	61	ug/Kg		08/24/15 08:40	08/29/15 19:55	1
2-Amino-4,6-dinitrotoluene	ND		240	41	ug/Kg		08/24/15 08:40	08/29/15 19:55	1
4-Amino-2,6-dinitrotoluene	ND		240	89	ug/Kg		08/24/15 08:40	08/29/15 19:55	1
3-Nitrotoluene	ND		240	53	ug/Kg		08/24/15 08:40	08/29/15 19:55	1
Nitrobenzene	ND		240	41	ug/Kg		08/24/15 08:40	08/29/15 19:55	1
Nitroglycerin	ND		1200	260	ug/Kg		08/24/15 08:40	08/29/15 19:55	1
2-Nitrotoluene	ND		240	62	ug/Kg		08/24/15 08:40	08/29/15 19:55	1
4-Nitrotoluene	ND		240	77	ug/Kg		08/24/15 08:40	08/29/15 19:55	1
PETN	ND		2400	330	ug/Kg		08/24/15 08:40	08/29/15 19:55	1
RDX	ND		240	59	ug/Kg		08/24/15 08:40	08/29/15 19:55	1
HMX	ND		240	37	ug/Kg		08/24/15 08:40	08/29/15 19:55	1
Tetryl	ND	F1	240	44	ug/Kg		08/24/15 08:40	08/29/15 19:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dinitrobenzene (Surr)	100		79 - 120				08/24/15 08:40	08/29/15 19:55	1

Client Sample ID: 2015 08 18 N2

Date Collected: 08/18/15 08:00 Date Received: 08/20/15 09:15 Lab Sample ID: 160-13469-24 Matrix: Solid

Percent Solids: 89.5

Method:	8260C -	Volatile	Organic	Compounds	by GC/MS

Method: 8260C - Volatile Org Analyte		unds by GC/ Qualifier	NIS RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		4.9	0.34	ug/Kg	335	08/28/15 15:59	08/28/15 19:39	1
1,1,1-Trichloroethane	ND		4.9	0.42	ug/Kg	**	08/28/15 15:59	08/28/15 19:39	1
1,1,2,2-Tetrachloroethane	ND		4.9	0.39	ug/Kg	**	08/28/15 15:59	08/28/15 19:39	1
1,1,2-Trichloroethane	ND		4.9	0.56	ug/Kg	**	08/28/15 15:59	08/28/15 19:39	1
1,1-Dichloroethane	ND		4.9	0.38	ug/Kg	禁	08/28/15 15:59	08/28/15 19:39	1
1,1-Dichloroethene	ND		4.9	1.6	ug/Kg	*	08/28/15 15:59	08/28/15 19:39	1
1,2-Dibromo-3-Chloropropane	ND		9.8	1.4	ug/Kg	**	08/28/15 15:59	08/28/15 19:39	1
1,2-Dichloroethane	ND		4.9	0.85	ug/Kg	数	08/28/15 15:59	08/28/15 19:39	1
1,2-Dichloropropane	ND		4.9	0.37	ug/Kg	***	08/28/15 15:59	08/28/15 19:39	1
1,3-Dichloropropene, Total	ND		9.8	0.93	ug/Kg	**	08/28/15 15:59	08/28/15 19:39	1
2-Butanone (MEK)	ND		20	1.9	ug/Kg	3,58	08/28/15 15:59	08/28/15 19:39	1
4-Methyl-2-pentanone (MIBK)	ND		20	0.71	ug/Kg	尊	08/28/15 15:59	08/28/15 19:39	1

Client: SEMS, Inc.

Project/Site: Camp Minden Baseline Project

Lab Sample ID: 160-13469-24

TestAmerica Job ID: 160-13469-1

Matrix: Solid Percent Solids: 89.5

Client Sample ID: 2015 08 18 N2 Date Collected: 08/18/15 08:00

Date Received: 08/20/15 09:15

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.4	J	20	6.3	ug/Kg	*	08/28/15 15:59	08/28/15 19:39	1
Benzene	ND		4.9	0.24	ug/Kg	**	08/28/15 15:59	08/28/15 19:39	1
Bromodichloromethane	ND		4.9	0.24	ug/Kg	*	08/28/15 15:59	08/28/15 19:39	1
Bromoform	ND		4.9	0.36	ug/Kg	**	08/28/15 15:59	08/28/15 19:39	1
Bromomethane	ND		9.8	1.1	ug/Kg	*	08/28/15 15:59	08/28/15 19:39	1
Carbon disulfide	ND		4.9	0.67	ug/Kg	***	08/28/15 15:59	08/28/15 19:39	1
Carbon tetrachloride	ND		4.9	0.50	ug/Kg	*	08/28/15 15:59	08/28/15 19:39	1
Chlorobenzene	ND		4.9	0.37	ug/Kg	**	08/28/15 15:59	08/28/15 19:39	1
Chlorodibromomethane	ND		4.9	0.40	ug/Kg	尊	08/28/15 15:59	08/28/15 19:39	1
Chloroethane	ND		9.8	0.51	ug/Kg	**	08/28/15 15:59	08/28/15 19:39	1
Chloroform	ND		4.9	0.37	ug/Kg	*	08/28/15 15:59	08/28/15 19:39	1
Chloromethane	ND		9.8	0.63	ug/Kg	*	08/28/15 15:59	08/28/15 19:39	1
cis-1,2-Dichloroethene	ND		4.9	0.59	ug/Kg	*	08/28/15 15:59	08/28/15 19:39	1
Ethylbenzene	ND		4.9	0.29	ug/Kg	**	08/28/15 15:59	08/28/15 19:39	1
Hexachlorobutadiene	ND		4.9	0.66	ug/Kg	*	08/28/15 15:59	08/28/15 19:39	1
Isobutyl alcohol	ND		200	25	ug/Kg	**	08/28/15 15:59	08/28/15 19:39	1
Methyl tert-butyl ether	ND		4.9	0.47	ug/Kg	*	08/28/15 15:59	08/28/15 19:39	1
Methylene Chloride	ND		4.9	1.5	ug/Kg	**	08/28/15 15:59	08/28/15 19:39	1
Styrene	ND		4.9	0.34	ug/Kg	尊	08/28/15 15:59	08/28/15 19:39	1
Tetrachloroethene	ND		4.9	0.31	ug/Kg	**	08/28/15 15:59	08/28/15 19:39	1
Toluene	ND		4.9	0.68	ug/Kg	**	08/28/15 15:59	08/28/15 19:39	1
trans-1,2-Dichloroethene	ND		4.9	0.92	ug/Kg	323	08/28/15 15:59	08/28/15 19:39	1
Trichloroethene	ND		4.9	0.38	ug/Kg	*	08/28/15 15:59	08/28/15 19:39	1
Trichlorofluoromethane	ND		4.9	0.49	ug/Kg	**	08/28/15 15:59	08/28/15 19:39	1
Vinyl chloride	ND		4.9	0.42	ug/Kg	*	08/28/15 15:59	08/28/15 19:39	1
Xylenes, Total	ND		9.8	0.83	ug/Kg	尊	08/28/15 15:59	08/28/15 19:39	1
29 1 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	A comment		Valley of					450.000	Tett bank

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	87		72 - 127	08/28/15 15:59	08/28/15 19:39	1
4-Bromofluorobenzene (Surr)	97		63 - 150	08/28/15 15:59	08/28/15 19:39	1
Dibromofluoromethane (Surr)	95		70 - 126	08/28/15 15:59	08/28/15 19:39	1
Toluene-d8 (Surr)	100		80 - 120	08/28/15 15:59	08/28/15 19:39	1

Method: 8270D - Semivolati Analyte		Qualifier	RL.	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		360	37	ug/Kg	100	08/31/15 10:17	09/02/15 16:08	1
1,2,4,5-Tetrachlorobenzene	ND		360	37	ug/Kg	**	08/31/15 10:17	09/02/15 16:08	1
1,2,4-Trichlorobenzene	ND		360	37	ug/Kg	**	08/31/15 10:17	09/02/15 16:08	1
1,2-Dichlorobenzene	ND		360	37	ug/Kg	**	08/31/15 10:17	09/02/15 16:08	1
1,3-Dichlorobenzene	ND		360	37	ug/Kg	尊	08/31/15 10:17	09/02/15 16:08	1
1,3-Dinitrobenzene	ND		360	37	ug/Kg	**	08/31/15 10:17	09/02/15 16:08	1
1,4-Dichlorobenzene	ND		360	37	ug/Kg	**	08/31/15 10:17	09/02/15 16:08	1
2,3,4,6-Tetrachlorophenol	ND		1800	37	ug/Kg	**	08/31/15 10:17	09/02/15 16:08	1
2,4,5-Trichlorophenol	ND		360	37	ug/Kg	**	08/31/15 10:17	09/02/15 16:08	1
2,4,6-Trichlorophenol	ND		360	37	ug/Kg	**	08/31/15 10:17	09/02/15 16:08	1
2,4-Dichlorophenol	ND		360	37	ug/Kg	***	08/31/15 10:17	09/02/15 16:08	1
2,4-Dimethylphenol	ND		360	37	ug/Kg	*	08/31/15 10:17	09/02/15 16:08	1
2,4-Dinitrophenol	ND		1800	360	ug/Kg	**	08/31/15 10:17	09/02/15 16:08	1
2,4-Dinitrotoluene	ND		360	37	ug/Kg	*	08/31/15 10:17	09/02/15 16:08	1
2,6-Dinitrotoluene	ND		360	37	ug/Kg	**	08/31/15 10:17	09/02/15 16:08	1

Client: SEMS, Inc

Surrogate

2-Fluorobiphenyl (Surr)

2-Fluorophenol (Surr)

Phenol-d5 (Surr)

Nitrobenzene-d5 (Surr)

Project/Site: Camp Minden Baseline Project

Client Sample ID: 2015 08 18 N2

Date Collected: 08/18/15 08:00 Date Received: 08/20/15 09:15 TestAmerica Job ID: 160-13469-1

Lab Sample ID: 160-13469-24

Matrix: Solid Percent Solids: 89.5

Analyte	Result Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fa
2-Chloronaphthalene	ND	360	37		**	08/31/15 10:17	09/02/15 16:08	
2-Chlorophenol	ND	360	37	ug/Kg	*	08/31/15 10:17	09/02/15 16:08	
2-Methylnaphthalene	ND	360	37	ug/Kg	*	08/31/15 10:17	09/02/15 16:08	
2-Nitroaniline	ND	360	37	ug/Kg	**	08/31/15 10:17	09/02/15 16:08	
3,3'-Dichlorobenzidine	ND	1800	360	ug/Kg	*	08/31/15 10:17	09/02/15 16:08	
3-Nitroaniline	ND	360	37	ug/Kg	*	08/31/15 10:17	09/02/15 16:08	
-Nitroaniline	ND	1800	360	ug/Kg	幹	08/31/15 10:17	09/02/15 16:08	
-Nitrophenol	ND	1800	360	ug/Kg	**	08/31/15 10:17	09/02/15 16:08	
Acenaphthene	ND	360	37	ug/Kg	**	08/31/15 10:17	09/02/15 16:08	
Acenaphthylene	ND	360	37	ug/Kg	**	08/31/15 10:17	09/02/15 16:08	
Aniline	ND	360	66	ug/Kg	10	08/31/15 10:17	09/02/15 16:08	
Anthracene	ND	360	37	ug/Kg	ø	08/31/15 10:17	09/02/15 16:08	
Benzo[a]anthracene	ND	360	37	ug/Kg	尊	08/31/15 10:17	09/02/15 16:08	
Benzo[a]pyrene	ND	360	37	ug/Kg	**	08/31/15 10:17	09/02/15 16:08	
Benzo[b]fluoranthene	ND	360	37	ug/Kg	325	08/31/15 10:17	09/02/15 16:08	
Benzo[k]fluoranthene	ND	360	37	ug/Kg	¢	08/31/15 10:17	09/02/15 16:08	
is (2-chloroisopropyl) ether	ND	360	37	ug/Kg	300	08/31/15 10:17	09/02/15 16:08	
Bis(2-chloroethyl)ether	ND	360	37	ug/Kg	*	08/31/15 10:17	09/02/15 16:08	
is(2-ethylhexyl) phthalate	ND	360	50		**	08/31/15 10:17		
Butyl benzyl phthalate	ND	360	37	ug/Kg	*	08/31/15 10:17	09/02/15 16:08	
hrysene	ND	360	37	ug/Kg	**	08/31/15 10:17		
Dibenz(a,h)anthracene	ND	360	37	ug/Kg	*	08/31/15 10:17	09/02/15 16:08	
Dibenzofuran	ND	360	37		*	08/31/15 10:17		
Diethyl phthalate	ND	360	37		ø	08/31/15 10:17		
Dimethyl phthalate	ND	360	37		ø	08/31/15 10:17		
Di-n-butyl phthalate	ND	360	37	E 10 V	**	08/31/15 10:17		
Di-n-octyl phthalate	ND	360	37		ø	08/31/15 10:17		
Diphenylamine	ND	360	37		Ď.	08/31/15 10:17		
luoranthene	ND	360	37		*	08/31/15 10:17		
luorene	ND	360	37	"12VV2	**	08/31/15 10:17		
lexachlorobenzene	ND	360	37		**		09/02/15 16:08	
lexachlorobutadiene	ND	360	37		*	08/31/15 10:17		
lexachlorocyclopentadiene	ND	1800		- La Table (17)	*			
lexachloroethane	ND			ug/Kg	*		09/02/15 16:08	
	ND	360	37	0.0	114		09/02/15 16:08	
ndeno[1,2,3-cd]pyrene		360		ug/Kg	375		09/02/15 16:08	
sophorone	ND	360		ug/Kg	**		09/02/15 16:08	
laphthalene	ND	360		ug/Kg	100		09/02/15 16:08	
litrobenzene	ND	360		ug/Kg	**		09/02/15 16:08	
N-Nitrosodi-n-propylamine	ND	360		ug/Kg	***		09/02/15 16:08	
Pentachlorophenol	ND	730		ug/Kg	0		09/02/15 16:08	
henanthrene	ND	360		ug/Kg	*		09/02/15 16:08	
Phenol	ND	360		ug/Kg	**		09/02/15 16:08	
Pyrene	ND	360		ug/Kg	100		09/02/15 16:08	
N-Nitrosodiphenylamine	ND	360	37	ug/Kg	33	08/31/15 10:17	09/02/15 16:08	

TestAmerica St. Louis

Analyzed

08/31/15 10:17 09/02/15 16:08

08/31/15 10:17 09/02/15 16:08

08/31/15 10:17 09/02/15 16:08

08/31/15 10:17 09/02/15 16:08

Prepared

Limits

56-97

53-97

55-98

54 - 101

%Recovery Qualifier

84

76

78

79

Dil Fac

Client: SEMS, Inc.

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

Client Sample ID: 2015 08 18 N2

Date Collected: 08/18/15 08:00 Date Received: 08/20/15 09:15 Lab Sample ID: 160-13469-24

Matrix: Solid Percent Solids: 89.5

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

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14 (Surr)	76	58 - 123	08/31/15 10:17	09/02/15 16:08	1
2,4,6-Tribromophenol (Surr)	93	46 - 111	08/31/15 10:17	09/02/15 16:08	1

2,4,6-1 ribromopnenoi (Surr)	93		46 - 111				08/31/15 10:17	09/02/15 16:08	7
Method: 8330B - Nitroaron	matics and Nitra	amines (HI	PLC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trinitrobenzene	ND		240	27	ug/Kg	-	08/24/15 08:40	08/29/15 21:04	1
1,3-Dinitrobenzene	ND		240	43	ug/Kg		08/24/15 08:40	08/29/15 21:04	1
2,4,6-Trinitrotoluene	ND		240	35	ug/Kg		08/24/15 08:40	08/29/15 21:04	1
2,4-Dinitrotoluene	ND		240	37	ug/Kg		08/24/15 08:40	08/29/15 21:04	1
2,6-Dinitrotoluene	ND		240	62			08/24/15 08:40	08/29/15 21:04	1
2-Amino-4,6-dinitrotoluene	ND		240	42	ug/Kg		08/24/15 08:40	08/29/15 21:04	1
4-Amino-2,6-dinitrotoluene	ND		240	91	ug/Kg		08/24/15 08:40	08/29/15 21:04	1
3-Nitrotoluene	ND		240	54	ug/Kg		08/24/15 08:40	08/29/15 21:04	1
Nitrobenzene	ND		240	42	ug/Kg		08/24/15 08:40	08/29/15 21:04	1
Nitroglycerin	ND		1200	260	ug/Kg		08/24/15 08:40	08/29/15 21:04	1
2-Nitrotoluene	ND		240	64	ug/Kg		08/24/15 08:40	08/29/15 21:04	1
4-Nitrotoluene	ND		240	80			08/24/15 08:40	08/29/15 21:04	1
PETN	ND		2400	340	ug/Kg		08/24/15 08:40	08/29/15 21:04	1
RDX	ND		240	61	ug/Kg		08/24/15 08:40	08/29/15 21:04	1
HMX	ND		240	38	ug/Kg		08/24/15 08:40	08/29/15 21:04	1
Tetryl	ND		240	45	ug/Kg		08/24/15 08:40	08/29/15 21:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dinitrobenzene (Surr)	102		79 - 120				08/24/15 08:40	08/29/15 21:04	1

Client Sample ID: 2015 08 18 M3

Date Collected: 08/18/15 08:15 Date Received: 08/20/15 09:15 Lab Sample ID: 160-13469-25

Matrix: Solid Percent Solids: 82.8

Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	5.1	0.36	ug/Kg	*	08/28/15 15:59	08/28/15 20:04	1
1,1,1-Trichloroethane	ND	5.1	0.44	ug/Kg	禁	08/28/15 15:59	08/28/15 20:04	1
1,1,2,2-Tetrachloroethane	ND	5.1	0.41	ug/Kg	*	08/28/15 15:59	08/28/15 20:04	1
1,1,2-Trichloroethane	ND	5.1	0.59	ug/Kg	#	08/28/15 15:59	08/28/15 20:04	1
1,1-Dichloroethane	ND	5.1	0.40	ug/Kg	*	08/28/15 15:59	08/28/15 20:04	1
1,1-Dichloroethene	ND	5.1	1.7	ug/Kg	許	08/28/15 15:59	08/28/15 20:04	1
1,2-Dibromo-3-Chloropropane	ND	10	1.5	ug/Kg	*	08/28/15 15:59	08/28/15 20:04	1
1,2-Dichloroethane	ND	5.1	0.90	ug/Kg	**	08/28/15 15:59	08/28/15 20:04	1
1,2-Dichloropropane	ND	5.1	0.39	ug/Kg	*	08/28/15 15:59	08/28/15 20:04	1
1,3-Dichloropropene, Total	ND	10	0.98	ug/Kg	**	08/28/15 15:59	08/28/15 20:04	1
2-Butanone (MEK)	ND	21	2.0	ug/Kg	**	08/28/15 15:59	08/28/15 20:04	1
4-Methyl-2-pentanone (MIBK)	ND	21	0.75	ug/Kg	**	08/28/15 15:59	08/28/15 20:04	1
Acetone	ND	21	6.7	ug/Kg	**	08/28/15 15:59	08/28/15 20:04	1
Benzene	ND	5.1	0.26	ug/Kg	**	08/28/15 15:59	08/28/15 20:04	1
Bromodichloromethane	ND	5.1	0.26	ug/Kg	尊	08/28/15 15:59	08/28/15 20:04	1
Bromoform	ND	5.1	0.38	ug/Kg	**	08/28/15 15:59	08/28/15 20:04	1
Bromomethane	ND	10	1.1	ug/Kg	*	08/28/15 15:59	08/28/15 20:04	1
Carbon disulfide	ND	5.1	0.71	ug/Kg	**	08/28/15 15:59	08/28/15 20:04	1
Carbon tetrachloride	ND	5.1	0.53	ug/Kg	*	08/28/15 15:59	08/28/15 20:04	1

Client: SEMS, Inc

Toluene

Trichloroethene

Vinyl chloride

Xylenes, Total

trans-1,2-Dichloroethene

Trichlorofluoromethane

Project/Site: Camp Minden Baseline Project

Client Sample ID: 2015 08 18 M3

Date Collected: 08/18/15 08:15 Date Received: 08/20/15 09:15 TestAmerica Job ID: 160-13469-1

Lab Sample ID: 160-13469-25

08/28/15 15:59 08/28/15 20:04

08/28/15 15:59 08/28/15 20:04

08/28/15 15:59 08/28/15 20:04

08/28/15 15:59 08/28/15 20:04

© 08/28/15 15:59 08/28/15 20:04

DE 08/28/15 15:59 08/28/15 20:04

Matrix: Solid Percent Solids: 82.8

Method: 8260C - Volatile C Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		5.1	0.39	ug/Kg	7	08/28/15 15:59	08/28/15 20:04	1
Chlorodibromomethane	ND		5.1	0.42	ug/Kg	**	08/28/15 15:59	08/28/15 20:04	1
Chloroethane	ND		10	0.54	ug/Kg	**	08/28/15 15:59	08/28/15 20:04	1
Chloroform	ND		5.1	0.39	ug/Kg	**	08/28/15 15:59	08/28/15 20:04	1
Chloromethane	ND		10	0.67	ug/Kg	Þ	08/28/15 15:59	08/28/15 20:04	1
cis-1,2-Dichloroethene	ND		5.1	0.62	ug/Kg	**	08/28/15 15:59	08/28/15 20:04	1
Ethylbenzene	0.33	J	5.1	0.31	ug/Kg	数	08/28/15 15:59	08/28/15 20:04	1
Hexachlorobutadiene	ND		5.1	0.70	ug/Kg	**	08/28/15 15:59	08/28/15 20:04	1
Isobutyl alcohol	ND		210	26	ug/Kg	群	08/28/15 15:59	08/28/15 20:04	1
Methyl tert-butyl ether	ND		5.1	0.49	ug/Kg	袋	08/28/15 15:59	08/28/15 20:04	1
Methylene Chloride	ND		5.1	1.6	ug/Kg	**	08/28/15 15:59	08/28/15 20:04	1
Styrene	ND		5.1	0.36	ug/Kg	**	08/28/15 15:59	08/28/15 20:04	1
Tetrachloroethene	ND		5.1	0.33	ug/Kg	**	08/28/15 15:59	08/28/15 20:04	1

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92	72 - 127	08/28/15 15:59	08/28/15 20:04	1
4-Bromofluorobenzene (Surr)	101	63 - 150	08/28/15 15:59	08/28/15 20:04	1
Dibromofluoromethane (Surr)	98	70 - 126	08/28/15 15:59	08/28/15 20:04	1
Toluene-d8 (Surr)	105	80 - 120	08/28/15 15:59	08/28/15 20:04	1

5.1

5.1

5.1

5.1

5.1

10

0.72 ug/Kg

0.97 ug/Kg

0.40 ug/Kg

0.51 ug/Kg

0.44 ug/Kg

0.88 ug/Kg

Method: 8270D	- Semivolatile Organic (Compounds (GC/MS)
Method, oz/ub	- Semivolatile Ordanic t	compounds (CG/MS)

ND

ND

ND

ND

ND

2.1 J

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		400	40	ug/Kg	**	08/31/15 10:17	09/02/15 16:40	1
1,2,4,5-Tetrachlorobenzene	ND		400	40	ug/Kg	**	08/31/15 10:17	09/02/15 16:40	1
1,2,4-Trichlorobenzene	ND		400	40	ug/Kg	兹	08/31/15 10:17	09/02/15 16:40	1
1,2-Dichlorobenzene	ND		400	40	ug/Kg	**	08/31/15 10:17	09/02/15 16:40	1
1,3-Dichlorobenzene	ND		400	40	ug/Kg	**	08/31/15 10:17	09/02/15 16:40	1
1,3-Dinitrobenzene	ND		400	40	ug/Kg	**	08/31/15 10:17	09/02/15 16:40	1
1,4-Dichlorobenzene	ND		400	40	ug/Kg	**	08/31/15 10:17	09/02/15 16:40	1
2,3,4,6-Tetrachlorophenol	ND		1900	40	ug/Kg	**	08/31/15 10:17	09/02/15 16:40	1
2,4,5-Trichlorophenol	ND		400	40	ug/Kg	**	08/31/15 10:17	09/02/15 16:40	1
2,4,6-Trichlorophenol	ND		400	40	ug/Kg	*	08/31/15 10:17	09/02/15 16:40	1
2,4-Dichlorophenol	ND		400	40	ug/Kg	**	08/31/15 10:17	09/02/15 16:40	1
2,4-Dimethylphenol	ND		400	40	ug/Kg	**	08/31/15 10:17	09/02/15 16:40	1
2,4-Dinitrophenol	ND		1900	400	ug/Kg	**	08/31/15 10:17	09/02/15 16:40	1
2,4-Dinitrotoluene	ND		400	40	ug/Kg	325	08/31/15 10:17	09/02/15 16:40	1
2,6-Dinitrotoluene	ND		400	40	ug/Kg	325	08/31/15 10:17	09/02/15 16:40	1
2-Chloronaphthalene	ND		400	40	ug/Kg	3\$	08/31/15 10:17	09/02/15 16:40	1
2-Chlorophenol	ND		400	40	ug/Kg	**	08/31/15 10:17	09/02/15 16:40	1
2-Methylnaphthalene	ND		400	40	ug/Kg	*	08/31/15 10:17	09/02/15 16:40	1
2-Nitroaniline	ND		400	40	ug/Kg	*	08/31/15 10:17	09/02/15 16:40	1
3,3'-Dichlorobenzidine	ND		1900	400	ug/Kg	**	08/31/15 10:17	09/02/15 16:40	1
3-Nitroaniline	ND		400	40	ug/Kg	**	08/31/15 10:17	09/02/15 16:40	1
4-Nitroaniline	ND		1900	400	ug/Kg	32	08/31/15 10:17	09/02/15 16:40	1

Client: SEMS, Inc.

Project/Site: Camp Minden Baseline Project

Client Sample ID: 2015 08 18 M3

Lab Sample ID: 160-13469-25

TestAmerica Job ID: 160-13469-1

Matrix: Solid

Date Collected: 08/18/15 08:15 Date Received: 08/20/15 09:15

Percent Solids: 82.8

Method: 8270D - Semivolati Analyte		Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	ND		1900	400	ug/Kg	- 0	08/31/15 10:17	A STATE OF THE PARTY OF THE PAR	1
Acenaphthene	ND		400	40	ug/Kg	*	08/31/15 10:17	09/02/15 16:40	1
Acenaphthylene	ND		400	40	ug/Kg	**	08/31/15 10:17	09/02/15 16:40	1
Aniline	ND		400	72	ug/Kg	**	08/31/15 10:17	09/02/15 16:40	1
Anthracene	ND		400	40		*	08/31/15 10:17	09/02/15 16:40	1
Benzo[a]anthracene	ND		400	40	1 15 15 15 15	*	08/31/15 10:17	09/02/15 16:40	1
Benzo[a]pyrene	ND		400	40		**	08/31/15 10:17	09/02/15 16:40	1
Benzo[b]fluoranthene	ND		400	40		**	08/31/15 10:17	09/02/15 16:40	1
Benzo[k]fluoranthene	ND		400	40		*		09/02/15 16:40	1
bis (2-chloroisopropyl) ether	ND		400	40		*		09/02/15 16:40	1
Bis(2-chloroethyl)ether	ND		400	40		*	08/31/15 10:17	09/02/15 16:40	1
Bis(2-ethylhexyl) phthalate	ND		400	55		×		09/02/15 16:40	1
Butyl benzyl phthalate	ND		400	40		*	얼마 있었다. 그리고 아이를 다 했다.	09/02/15 16:40	1
Chrysene	ND		400	40		₩		09/02/15 16:40	9
Dibenz(a,h)anthracene	ND		400		ug/Kg	*		09/02/15 16:40	1
Dibenzofuran	ND		400	40		10:		09/02/15 16:40	4
Diethyl phthalate	ND		400	40		*		09/02/15 16:40	1
Dimethyl phthalate	ND		400	40	1.5450	33		09/02/15 16:40	4
Di-n-butyl phthalate	ND		400	40		**		09/02/15 16:40	4
Di-n-octyl phthalate	ND		400	40		**		09/02/15 16:40	1
Diphenylamine	ND		400	40		*		09/02/15 16:40	4
Fluoranthene	ND		400	40	ug/Kg	*		09/02/15 16:40	1
Fluorene	ND		400	40		*		09/02/15 16:40	1
Hexachlorobenzene	ND		400	40	ug/Kg	*		09/02/15 16:40	1
Hexachlorobutadiene	ND		400	40	W. T. W. T.	*		09/02/15 16:40	1
Hexachlorocyclopentadiene	ND		1900	400	ug/Kg	*			1
Hexachloroethane	ND		400	400	ug/Kg	**		09/02/15 16:40	
Indeno[1,2,3-cd]pyrene	ND				ug/Kg	7.0	08/31/15 10:17		1
Isophorone	ND		400	40	ug/Kg	D.	08/31/15 10:17		1
			400	40	ug/Kg	**		09/02/15 16:40	3
Naphthalene	ND		400	40	ug/Kg	*		09/02/15 16:40	1
Nitrobenzene	ND		400	40	ug/Kg	**		09/02/15 16:40	1
N-Nitrosodi-n-propylamine	ND		400	40	ug/Kg	***	08/31/15 10:17		1
Pentachlorophenol	ND		800	400	ug/Kg	***	08/31/15 10:17		1
Phenanthrene	ND		400	40	ug/Kg	***		09/02/15 16:40	1
Phenol	ND		400		ug/Kg	***		09/02/15 16:40	1
Pyrene	ND		400		ug/Kg		08/31/15 10:17		1
N-Nitrosodiphenylamine	ND		400	40	ug/Kg	*	08/31/15 10:17	09/02/15 16:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	86		56 - 97				08/31/15 10:17	09/02/15 16:40	1
2-Fluorophenol (Surr)	77		53 - 97				08/31/15 10:17	09/02/15 16:40	1
Nitrobenzene-d5 (Surr)	79		55 - 98				08/31/15 10:17	09/02/15 16:40	1
Phenol-d5 (Surr)	81		54 - 101				08/31/15 10:17	09/02/15 16:40	1
Terphenyl-d14 (Surr)	76		58 - 123				08/31/15 10:17	09/02/15 16:40	1
2,4,6-Tribromophenol (Surr)	96		46 - 111				08/31/15 10:17	09/02/15 16:40	1
Method: 8330B - Nitroaroma	itics and Nitra	mines (HF	PLC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
								The state of the s	CONTRACTOR OF THE PARTY.
1,3,5-Trinitrobenzene	ND		230	25	ug/Kg	= =	08/24/15 08:40	08/29/15 21:27	1

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

Lab Sample ID: 160-13469-25

Matrix: Solid
Percent Solids: 82.8

TestAmerica Job ID: 160-13469-1

Client Sample ID: 2015 08 18 M3

Date Collected: 08/18/15 08:15 Date Received: 08/20/15 09:15

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trinitrotoluene	ND		230	33	ug/Kg		08/24/15 08:40	08/29/15 21:27	1
2,4-Dinitrotoluene	ND		230	35	ug/Kg		08/24/15 08:40	08/29/15 21:27	1
2,6-Dinitrotoluene	ND		230	59	ug/Kg		08/24/15 08:40	08/29/15 21:27	1
2-Amino-4,6-dinitrotoluene	ND		230	40	ug/Kg		08/24/15 08:40	08/29/15 21:27	1
4-Amino-2,6-dinitrotoluene	ND		230	86	ug/Kg		08/24/15 08:40	08/29/15 21:27	1
3-Nitrotoluene	ND		230	51	ug/Kg		08/24/15 08:40	08/29/15 21:27	1
Nitrobenzene	ND		230	40	ug/Kg		08/24/15 08:40	08/29/15 21:27	1
Nitroglycerin	ND		1200	250	ug/Kg		08/24/15 08:40	08/29/15 21:27	1
2-Nitrotoluene	ND		230	60	ug/Kg		08/24/15 08:40	08/29/15 21:27	1
4-Nitrotoluene	ND		230	75	ug/Kg		08/24/15 08:40	08/29/15 21:27	1
PETN	ND		2300	320	ug/Kg		08/24/15 08:40	08/29/15 21:27	1
RDX	ND		230	57	ug/Kg		08/24/15 08:40	08/29/15 21:27	1
HMX	ND		230	36	ug/Kg		08/24/15 08:40	08/29/15 21:27	1
Tetryl	ND		230	42	ug/Kg		08/24/15 08:40	08/29/15 21:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dinitrobenzene (Surr)	107		79 - 120				08/24/15 08:40	08/29/15 21:27	1

Client Sample ID: 2015 08 18 L4

Date Collected: 08/18/15 08:40 Date Received: 08/20/15 09:15 Lab Sample ID: 160-13469-26

Matrix: Solid Percent Solids: 84.3

Method: 8260C - Volatile Org Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		4.5	0.31	ug/Kg	**	08/28/15 15:59	08/28/15 20:30	1
1,1,1-Trichloroethane	ND		4.5	0.38	ug/Kg	袋	08/28/15 15:59	08/28/15 20:30	1
1,1,2,2-Tetrachloroethane	ND		4.5	0.36	ug/Kg	**	08/28/15 15:59	08/28/15 20:30	1
1,1,2-Trichloroethane	ND		4.5	0.51	ug/Kg	*	08/28/15 15:59	08/28/15 20:30	1
1,1-Dichloroethane	ND		4.5	0.35	ug/Kg	尊	08/28/15 15:59	08/28/15 20:30	1
1,1-Dichloroethene	ND		4.5	1.4	ug/Kg	尊	08/28/15 15:59	08/28/15 20:30	1
1,2-Dibromo-3-Chloropropane	ND		8.9	1.3	ug/Kg	**	08/28/15 15:59	08/28/15 20:30	1
1,2-Dichloroethane	ND		4.5	0.78	ug/Kg	**	08/28/15 15:59	08/28/15 20:30	1
1,2-Dichloropropane	ND		4.5	0.34	ug/Kg	**	08/28/15 15:59	08/28/15 20:30	1
1,3-Dichloropropene, Total	ND		8.9	0.85	ug/Kg	*	08/28/15 15:59	08/28/15 20:30	1
2-Butanone (MEK)	24		18	1.7	ug/Kg	**	08/28/15 15:59	08/28/15 20:30	1
4-Methyl-2-pentanone (MIBK)	ND		18	0.65	ug/Kg	**	08/28/15 15:59	08/28/15 20:30	1
Acetone	150		18	5.8	ug/Kg	**	08/28/15 15:59	08/28/15 20:30	1
Benzene	0.69	J	4.5	0.22	ug/Kg	*	08/28/15 15:59	08/28/15 20:30	1
Bromodichloromethane	ND		4.5	0.22	ug/Kg	**	08/28/15 15:59	08/28/15 20:30	1
Bromoform	ND		4.5	0.33	ug/Kg	*	08/28/15 15:59	08/28/15 20:30	1
Bromomethane	ND		8.9	0.98	ug/Kg	**	08/28/15 15:59	08/28/15 20:30	1
Carbon disulfide	ND		4.5	0.61	ug/Kg	**	08/28/15 15:59	08/28/15 20:30	1
Carbon tetrachloride	ND		4.5	0.45	ug/Kg	**	08/28/15 15:59	08/28/15 20:30	1
Chlorobenzene	ND		4.5	0.34	ug/Kg	禁	08/28/15 15:59	08/28/15 20:30	1
Chlorodibromomethane	ND		4.5	0.37	ug/Kg	**	08/28/15 15:59	08/28/15 20:30	1
Chloroethane	ND		8.9	0.46	ug/Kg	*	08/28/15 15:59	08/28/15 20:30	1
Chloroform	ND		4.5	0.34	ug/Kg	**	08/28/15 15:59	08/28/15 20:30	1
Chloromethane	ND		8.9	0.58	ug/Kg	*	08/28/15 15:59	08/28/15 20:30	1
cis-1,2-Dichloroethene	ND		4.5	0.53	ug/Kg	335	08/28/15 15:59	08/28/15 20:30	1
Ethylbenzene	ND		4.5	0.27	1 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 -	*	08/28/15 15:59	08/28/15 20:30	1

Client: SEMS, Inc.

Aniline

Anthracene

Benzo[a]anthracene

Benzo[a]pyrene

Project/Site: Camp Minden Baseline Project

Client Sample ID: 2015 08 18 L4

Date Collected: 08/18/15 08:40 Date Received: 08/20/15 09:15

TestAmerica Job ID: 160-13469-1

Lab Sample ID: 160-13469-26 Matrix: Solid

Percent Solids: 84.3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	ND		4.5	0.61	ug/Kg	*	08/28/15 15:59	08/28/15 20:30	1
Isobutyl alcohol	ND		180	23	ug/Kg	**	08/28/15 15:59	08/28/15 20:30	1
Methyl tert-butyl ether	ND		4.5	0.43	ug/Kg	⇔	08/28/15 15:59	08/28/15 20:30	1
Methylene Chloride	ND		4.5	1.4	ug/Kg	**	08/28/15 15:59	08/28/15 20:30	1
Styrene	ND		4.5	0.31	ug/Kg	**	08/28/15 15:59	08/28/15 20:30	1
Tetrachloroethene	ND		4.5	0.29	ug/Kg	***	08/28/15 15:59	08/28/15 20:30	1
Toluene	ND		4.5	0.62	ug/Kg	**	08/28/15 15:59	08/28/15 20:30	1
trans-1,2-Dichloroethene	ND		4.5	0.84	ug/Kg	135	08/28/15 15:59	08/28/15 20:30	1
Trichloroethene	ND		4.5	0.35	ug/Kg	3\$	08/28/15 15:59	08/28/15 20:30	1
Trichlorofluoromethane	ND		4.5	0.45	ug/Kg	鉄	08/28/15 15:59	08/28/15 20:30	1
Vinyl chloride	ND		4.5	0.38	ug/Kg	*	08/28/15 15:59	08/28/15 20:30	1
Xylenes, Total	ND		8.9	0.76	ug/Kg	**	08/28/15 15:59	08/28/15 20:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97	777	72 - 127	08/28/15 15:59	08/28/15 20:30	1
4-Bromofluorobenzene (Surr)	126		63 - 150	08/28/15 15:59	08/28/15 20:30	1
Dibromofluoromethane (Surr)	101		70 - 126	08/28/15 15:59	08/28/15 20:30	1
Toluene-d8 (Surr)	109		80 - 120	08/28/15 15:59	08/28/15 20:30	1

Toluene-as (Surr)	109		80 - 120				08/28/15 15:59	08/28/15 20:30	1
Method: 8270D - Semivolati Analyte		mpounds Qualifier	(GC/MS)	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		390	39	ug/Kg	- ×	08/31/15 10:17	09/02/15 17:13	1
1,2,4,5-Tetrachlorobenzene	ND		390	39	ug/Kg	*	08/31/15 10:17	09/02/15 17:13	1
1,2,4-Trichlorobenzene	ND		390	39	ug/Kg	305	08/31/15 10:17	09/02/15 17:13	1
1,2-Dichlorobenzene	ND		390	39	ug/Kg	鉄	08/31/15 10:17	09/02/15 17:13	1
1,3-Dichlorobenzene	ND		390	39	ug/Kg	数	08/31/15 10:17	09/02/15 17:13	1
1,3-Dinitrobenzene	ND		390	39	ug/Kg	**	08/31/15 10:17	09/02/15 17:13	1
1,4-Dichlorobenzene	ND		390	39	ug/Kg	**	08/31/15 10:17	09/02/15 17:13	1
2,3,4,6-Tetrachlorophenol	ND		1900	39	ug/Kg	*	08/31/15 10:17	09/02/15 17:13	1
2,4,5-Trichlorophenol	ND		390	39	ug/Kg	**	08/31/15 10:17	09/02/15 17:13	1
2,4,6-Trichlorophenol	ND		390	39	ug/Kg	*	08/31/15 10:17	09/02/15 17:13	1
2,4-Dichlorophenol	ND		390	39	ug/Kg	**	08/31/15 10:17	09/02/15 17:13	1
2,4-Dimethylphenol	ND		390	39	ug/Kg	**	08/31/15 10:17	09/02/15 17:13	1
2,4-Dinitrophenol	ND		1900	390	ug/Kg	**	08/31/15 10:17	09/02/15 17:13	1
2,4-Dinitrotoluene	ND		390	39	ug/Kg	*	08/31/15 10:17	09/02/15 17:13	1
2,6-Dinitrotoluene	ND		390	39	ug/Kg	**	08/31/15 10:17	09/02/15 17:13	1
2-Chloronaphthalene	ND		390	39	ug/Kg	**	08/31/15 10:17	09/02/15 17:13	1
2-Chlorophenol	ND		390	39	ug/Kg	**	08/31/15 10:17	09/02/15 17:13	1
2-Methylnaphthalene	ND		390	39	ug/Kg	*	08/31/15 10:17	09/02/15 17:13	1
2-Nitroaniline	ND		390	39	ug/Kg	**	08/31/15 10:17	09/02/15 17:13	1
3,3'-Dichlorobenzidine	ND		1900	390	ug/Kg	尊	08/31/15 10:17	09/02/15 17:13	1
3-Nitroaniline	ND		390	39	ug/Kg	**	08/31/15 10:17	09/02/15 17:13	1
4-Nitroaniline	ND		1900	390	ug/Kg	**	08/31/15 10:17	09/02/15 17:13	1
4-Nitrophenol	ND		1900	390	ug/Kg	***	08/31/15 10:17	09/02/15 17:13	1
Acenaphthene	ND		390	39	ug/Kg	*	08/31/15 10:17	09/02/15 17:13	1
Acenaphthylene	ND		390		ug/Kg	**	08/31/15 10:17	09/02/15 17:13	1

TestAmerica St. Louis

© 08/31/15 10:17 09/02/15 17:13

\$ 08/31/15 10:17 09/02/15 17:13

08/31/15 10:17 09/02/15 17:13

* 08/31/15 10:17 09/02/15 17:13

390

390

390

390

71 ug/Kg

39 ug/Kg

39 ug/Kg

39 ug/Kg

ND

ND

ND

ND

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

Client Sample ID: 2015 08 18 L4

Date Collected: 08/18/15 08:40 Date Received: 08/20/15 09:15 Lab Sample ID: 160-13469-26 Matrix: Solid

Percent Solids: 84.3

Method: 8270D - Semivola Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	ND	7	390	39	ug/Kg	尊	08/31/15 10:17	09/02/15 17:13	7
Benzo[k]fluoranthene	ND		390	39	ug/Kg	兹	08/31/15 10:17	09/02/15 17:13	1
bis (2-chloroisopropyl) ether	ND		390	39	ug/Kg	**	08/31/15 10:17	09/02/15 17:13	4
Bis(2-chloroethyl)ether	ND		390	39	ug/Kg	**	08/31/15 10:17	09/02/15 17:13	1
Bis(2-ethylhexyl) phthalate	ND		390	54	ug/Kg	**	08/31/15 10:17	09/02/15 17:13	1
Butyl benzyl phthalate	ND		390	39	ug/Kg	306	08/31/15 10:17	09/02/15 17:13	1
Chrysene	ND		390	39	ug/Kg	*	08/31/15 10:17	09/02/15 17:13	1
Dibenz(a,h)anthracene	ND		390	39	ug/Kg	鉄	08/31/15 10:17	09/02/15 17:13	1
Dibenzofuran	ND		390	39	ug/Kg	***	08/31/15 10:17	09/02/15 17:13	1
Diethyl phthalate	ND		390	39		**	08/31/15 10:17	09/02/15 17:13	1
Dimethyl phthalate	ND		390	39	ug/Kg	*	08/31/15 10:17	09/02/15 17:13	1
Di-n-butyl phthalate	ND		390	39	ug/Kg	*	08/31/15 10:17	09/02/15 17:13	न
Di-n-octyl phthalate	ND		390	39	ug/Kg	尊	08/31/15 10:17	09/02/15 17:13	1
Diphenylamine	ND		390	39	ug/Kg	**	08/31/15 10:17	09/02/15 17:13	1
Fluoranthene	ND		390	39	ug/Kg	335	08/31/15 10:17	09/02/15 17:13	1
Fluorene	ND		390	39	ug/Kg	拉	08/31/15 10:17	09/02/15 17:13	1
Hexachlorobenzene	ND		390	39	ug/Kg	*	08/31/15 10:17	09/02/15 17:13	1
Hexachlorobutadiene	ND		390	39	ug/Kg	*	08/31/15 10:17	09/02/15 17:13	1
Hexachlorocyclopentadiene	ND		1900	390	ug/Kg	*	08/31/15 10:17	09/02/15 17:13	1
Hexachloroethane	ND		390	39	ug/Kg	**	08/31/15 10:17	09/02/15 17:13	1
Indeno[1,2,3-cd]pyrene	ND		390	39	ug/Kg	**	08/31/15 10:17	09/02/15 17:13	1
Isophorone	ND		390	39		***	08/31/15 10:17	09/02/15 17:13	1
Naphthalene	ND		390	39	ug/Kg	**	08/31/15 10:17	09/02/15 17:13	1
Nitrobenzene	ND		390	39	ug/Kg	**	08/31/15 10:17	09/02/15 17:13	1
N-Nitrosodi-n-propylamine	ND		390	39	ug/Kg	*	08/31/15 10:17	09/02/15 17:13	1
Pentachlorophenol	ND		780	390		**	08/31/15 10:17	09/02/15 17:13	1
Phenanthrene	ND		390	39	ug/Kg	*	08/31/15 10:17	09/02/15 17:13	1
Phenol	ND		390	39	ug/Kg	**	08/31/15 10:17	09/02/15 17:13	1
Pyrene	ND		390	39	ug/Kg	*	08/31/15 10:17	09/02/15 17:13	1
N-Nitrosodiphenylamine	ND		390	39	ug/Kg	**	08/31/15 10:17	09/02/15 17:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	90		56 - 97				08/31/15 10:17	09/02/15 17:13	1
2-Fluorophenol (Surr)	82		53 - 97				08/31/15 10:17	09/02/15 17:13	1
Nitrobenzene-d5 (Surr)	83		55 - 98				08/31/15 10:17	09/02/15 17:13	1
Phenol-d5 (Surr)	84		54 - 101				08/31/15 10:17	09/02/15 17:13	1
Terphenyl-d14 (Surr)	82		58 - 123				08/31/15 10:17	09/02/15 17:13	1
2,4,6-Tribromophenol (Surr)	99		46-111				08/31/15 10:17	09/02/15 17:13	1

B. S. S. S. S. S. S. S.	00000	A 274	Secretary and the second secretary	WIDI OL
Method:	833HB -	Nitroaromatics	and Nitramines	S (HPI L.)

Analyte	Result C	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trinitrobenzene	ND		220	24	ug/Kg		08/24/15 08:40	08/29/15 22:12	1
1,3-Dinitrobenzene	ND		220	39	ug/Kg		08/24/15 08:40	08/29/15 22:12	1
2,4,6-Trinitrotoluene	ND		220	32	ug/Kg		08/24/15 08:40	08/29/15 22:12	1
2,4-Dinitrotoluene	ND		220	34	ug/Kg		08/24/15 08:40	08/29/15 22:12	1
2,6-Dinitrotoluene	ND		220	57	ug/Kg		08/24/15 08:40	08/29/15 22:12	1
2-Amino-4,6-dinitrotoluene	ND		220	38	ug/Kg		08/24/15 08:40	08/29/15 22:12	1
4-Amino-2,6-dinitrotoluene	ND		220	83	ug/Kg		08/24/15 08:40	08/29/15 22:12	1
3-Nitrotoluene	ND		220	50	ug/Kg		08/24/15 08:40	08/29/15 22:12	1
Nitrobenzene	ND		220	39	ug/Kg		08/24/15 08:40	08/29/15 22:12	1

Client: SEMS, Inc.

Project/Site: Camp Minden Baseline Project

Client Sample ID: 2015 08 18 L4

Date Collected: 08/18/15 08:40 Date Received: 08/20/15 09:15

TestAmerica Job ID: 160-13469-1

Lab Sample ID: 160-13469-26

Matrix: Solid Percent Solids: 84.3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitroglycerin	ND		1100	240	ug/Kg	7	08/24/15 08:40	08/29/15 22:12	1
2-Nitrotoluene	ND		220	58	ug/Kg		08/24/15 08:40	08/29/15 22:12	1
4-Nitrotoluene	ND		220	73	ug/Kg		08/24/15 08:40	08/29/15 22:12	1
PETN	ND		2200	310	ug/Kg		08/24/15 08:40	08/29/15 22:12	1
RDX	ND		220	56	ug/Kg		08/24/15 08:40	08/29/15 22:12	1
HMX	ND		220	35	ug/Kg		08/24/15 08:40	08/29/15 22:12	1
Tetryl	ND		220	41	ug/Kg		08/24/15 08:40	08/29/15 22:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dinitrobenzene (Surr)	106		79 - 120				08/24/15 08:40	08/29/15 22:12	1

Client Sample ID: 2015 08 18 M5

Date Collected: 08/18/15 08:50 Date Received: 08/20/15 09:15

Lab Sample ID: 160-13469-27

Matrix: Solid Percent Solids: 87.0

Jate Received, 06/20/15 09.13	,							Percent Solid	IS: 87.U
Method: 8260C - Volatile Org Analyte		unds by GC/N	VIS RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		4.1	0.29	ug/Kg	— <u></u>	08/28/15 15:59	08/28/15 20:55	1
1,1,1-Trichloroethane	ND		4.1	0.35	ug/Kg	鉄	08/28/15 15:59	08/28/15 20:55	1
1,1,2,2-Tetrachloroethane	ND		4.1	0.33	. C. T LT	**	08/28/15 15:59	08/28/15 20:55	1
1,1,2-Trichloroethane	ND		4.1	0.46	ug/Kg	*	08/28/15 15:59	08/28/15 20:55	1
1,1-Dichloroethane	ND		4.1	0.32		故	08/28/15 15:59	08/28/15 20:55	1
1,1-Dichloroethene	ND		4.1	1.3	ug/Kg	蚊	08/28/15 15:59	08/28/15 20:55	1
1,2-Dibromo-3-Chloropropane	ND		8.2	1.2	ug/Kg	*	08/28/15 15:59	08/28/15 20:55	1
1,2-Dichloroethane	ND		4.1	0.71	ug/Kg	*	08/28/15 15:59	08/28/15 20:55	1
1,2-Dichloropropane	ND		4.1	0.31	ug/Kg	鉄	08/28/15 15:59	08/28/15 20:55	1
1,3-Dichloropropene, Total	ND		8.2	0.77	ug/Kg	尊	08/28/15 15:59	08/28/15 20:55	1
2-Butanone (MEK)	2.8	J	16	1.6	ug/Kg	⇔	08/28/15 15:59	08/28/15 20:55	1
4-Methyl-2-pentanone (MIBK)	ND		16	0.60	ug/Kg	*	08/28/15 15:59	08/28/15 20:55	1
Acetone	45		16	5.3	ug/Kg	**	08/28/15 15:59	08/28/15 20:55	1
Benzene	ND		4.1	0.20	ug/Kg	*	08/28/15 15:59	08/28/15 20:55	1
Bromodichloromethane	ND		4.1	0.20	ug/Kg	**	08/28/15 15:59	08/28/15 20:55	1
Bromoform	ND		4.1		ug/Kg	益	08/28/15 15:59	08/28/15 20:55	1
Bromomethane	ND		8.2		ug/Kg	*	08/28/15 15:59	08/28/15 20:55	1
Carbon disulfide	ND		4.1		ug/Kg	*	08/28/15 15:59	08/28/15 20:55	1
Carbon tetrachloride	ND		4.1			**	08/28/15 15:59	08/28/15 20:55	1
Chlorobenzene	ND		4.1	0.31	ug/Kg	袋	08/28/15 15:59	08/28/15 20:55	1
Chlorodibromomethane	ND		4.1	0.33	ug/Kg	数	08/28/15 15:59	08/28/15 20:55	1
Chloroethane	ND		8.2		ug/Kg	**	08/28/15 15:59	08/28/15 20:55	1
Chloroform	ND		4.1		ug/Kg	**	08/28/15 15:59	08/28/15 20:55	1
Chloromethane	ND		8.2	0.53	ug/Kg	**	08/28/15 15:59	08/28/15 20:55	1
cis-1,2-Dichloroethene	ND		4.1		ug/Kg	**	08/28/15 15:59	08/28/15 20:55	1
Ethylbenzene	ND		4.1		ug/Kg	**	08/28/15 15:59	08/28/15 20:55	1
Hexachlorobutadiene	ND		4.1		ug/Kg	*	08/28/15 15:59	08/28/15 20:55	1
Isobutyl alcohol	ND		160		ug/Kg	335	08/28/15 15:59	08/28/15 20:55	1
Methyl tert-butyl ether	ND		4.1		ug/Kg	*	08/28/15 15:59	08/28/15 20:55	1
Methylene Chloride	ND		4.1		ug/Kg	数	08/28/15 15:59	08/28/15 20:55	1
Styrene	ND		4.1		ug/Kg	*	08/28/15 15:59	08/28/15 20:55	1
Tetrachloroethene	ND		4.1		ug/Kg	₩	08/28/15 15:59	08/28/15 20:55	1
Toluene	ND		4.1		ug/Kg	**	08/28/15 15:59	08/28/15 20:55	4

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

Client Sample ID: 2015 08 18 M5

Date Collected: 08/18/15 08:50 Date Received: 08/20/15 09:15 Lab Sample ID: 160-13469-27

Matrix: Solid

Percent Solids: 87.0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		4.1	0.77	ug/Kg	15	08/28/15 15:59	08/28/15 20:55	1
Trichloroethene	ND		4.1	0.32	ug/Kg	口	08/28/15 15:59	08/28/15 20:55	1
Trichlorofluoromethane	ND		4.1	0.41	ug/Kg	335	08/28/15 15:59	08/28/15 20:55	1
Vinyl chloride	ND		4.1	0.35	ug/Kg	数	08/28/15 15:59	08/28/15 20:55	1
Xylenes, Total	ND		8.2	0.69	ug/Kg	-	08/28/15 15:59	08/28/15 20:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		72 - 127				08/28/15 15:59	08/28/15 20:55	1
4-Bromofluorobenzene (Surr)	112		63 - 150				08/28/15 15:59	08/28/15 20:55	1
Dibromofluoromethane (Surr)	99		70 - 126				08/28/15 15:59	08/28/15 20:55	1
Toluene-d8 (Surr)	105		80 - 120				08/28/15 15:59	08/28/15 20:55	1

Venant to conta	777	AD 0. 1-10						
Method: 8270D - Semivolatile (Organic Compounds Result Qualifier	(GC/MS)	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND ND	380	38	ug/Kg	- 8	08/31/15 10:17	The state of the s	1
1,2,4,5-Tetrachlorobenzene	ND	380	38	ug/Kg	0	08/31/15 10:17		4
1,2,4-Trichlorobenzene	ND	380	38	ug/Kg	ø	08/31/15 10:17		4
1,2-Dichlorobenzene	ND	380	38	ug/Kg	**	08/31/15 10:17		1
1,3-Dichlorobenzene	ND	380	38	ug/Kg	**		09/02/15 17:46	1
1,3-Dinitrobenzene	ND	380	38	ug/Kg	**	08/31/15 10:17		1
1,4-Dichlorobenzene	ND	380	38	ug/Kg	*	- 1, 71, 71, 71, 11, 11, 11, 11, 11, 11,	09/02/15 17:46	1
2,3,4,6-Tetrachlorophenol	ND	1800	38	ug/Kg	ø	08/31/15 10:17		1
2,4,5-Trichlorophenol	ND	380	38	ug/Kg	*	08/31/15 10:17		1
2,4,6-Trichlorophenol	ND	380	38	ug/Kg	*	08/31/15 10:17		1
2,4-Dichlorophenol	ND	380	38	ug/Kg		08/31/15 10:17		1
2,4-Dimethylphenol	ND	380	38	ug/Kg	**		09/02/15 17:46	1
2,4-Dinitrophenol	ND	1800	380	ug/Kg	**		09/02/15 17:46	1
2,4-Dinitrotoluene	ND	380	38	ug/Kg	ø	4 0 7 1 5 M.S.T. RITCHA	09/02/15 17:46	1
2,6-Dinitrotoluene	ND	380	38	ug/Kg	**		09/02/15 17:46	1
2-Chloronaphthalene	ND	380	38	ug/Kg	₩		09/02/15 17:46	4
2-Chlorophenol	ND	380	38	ug/Kg	尊		09/02/15 17:46	1
2-Methylnaphthalene	ND	380	38	ug/Kg	**		09/02/15 17:46	1
2-Nitroaniline	ND	380	38	ug/Kg	**		09/02/15 17:46	1
3,3'-Dichlorobenzidine	ND	1800	380	ug/Kg	故		09/02/15 17:46	1.
3-Nitroaniline	ND	380	38	ug/Kg	**	08/31/15 10:17		1
4-Nitroaniline	ND	1800	380		数	08/31/15 10:17		1
4-Nitrophenol	ND	1800	380		*	08/31/15 10:17		4
Acenaphthene	ND	380	38	ug/Kg	数	08/31/15 10:17		4
Acenaphthylene	ND	380	38	ug/Kg	*	08/31/15 10:17		1
Aniline	ND	380	69	ug/Kg	335	08/31/15 10:17	09/02/15 17:46	1
Anthracene	ND	380	38	ug/Kg	**	08/31/15 10:17	09/02/15 17:46	1
Benzo[a]anthracene	ND	380	38	ug/Kg	**	08/31/15 10:17		4
Benzo[a]pyrene	ND	380	38	ug/Kg	**	08/31/15 10:17	09/02/15 17:46	1
Benzo[b]fluoranthene	ND	380	38	ug/Kg	**	08/31/15 10:17		1
Benzo[k]fluoranthene	ND	380	38	ug/Kg	**	08/31/15 10:17	09/02/15 17:46	1
bis (2-chloroisopropyl) ether	ND	380	38	ug/Kg	100	08/31/15 10:17	09/02/15 17:46	1
Bis(2-chloroethyl)ether	ND	380	38	ug/Kg	**	08/31/15 10:17	09/02/15 17:46	1
Bis(2-ethylhexyl) phthalate	ND	380	52	ug/Kg	**	08/31/15 10:17		1
Butyl benzyl phthalate	ND	380	38	ug/Kg	*	- (프롤링스 아이탈리스 이 프라이어 다.	09/02/15 17:46	1
Chrysene	ND	380	38	ug/Kg	100	08/31/15 10:17		1

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

Lab Sample ID: 160-13469-27

Matrix: Solid

Percent Solids: 87.0

TestAmerica Job ID: 160-13469-1

Client Samp	le ID:	2015	08 1	18	M5
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Date Collected: 08/18/15 08:50 Date Received: 08/20/15 09:15

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		380	38	ug/Kg	*	08/31/15 10:17	09/02/15 17:46	1
Dibenzofuran	ND		380	38	ug/Kg	**	08/31/15 10:17	09/02/15 17:46	. 1
Diethyl phthalate	ND		380	38	ug/Kg	*	08/31/15 10:17	09/02/15 17:46	1
Dimethyl phthalate	ND		380	38	ug/Kg	**	08/31/15 10:17	09/02/15 17:46	1
Di-n-butyl phthalate	ND		380	38	ug/Kg	*	08/31/15 10:17	09/02/15 17:46	1
Di-n-octyl phthalate	ND		380	38	ug/Kg	**	08/31/15 10:17	09/02/15 17:46	1
Diphenylamine	ND		380	38	ug/Kg	**	08/31/15 10:17	09/02/15 17:46	1
Fluoranthene	ND		380	38	ug/Kg	*	08/31/15 10:17	09/02/15 17:46	1
Fluorene	ND		380	38	ug/Kg	**	08/31/15 10:17	09/02/15 17:46	1
Hexachlorobenzene	ND		380	38	ug/Kg	*	08/31/15 10:17	09/02/15 17:46	1
Hexachlorobutadiene	ND		380	38	ug/Kg	**	08/31/15 10:17	09/02/15 17:46	1
Hexachlorocyclopentadiene	ND		1800	380	ug/Kg	*	08/31/15 10:17	09/02/15 17:46	1
Hexachloroethane	ND		380	38	ug/Kg	**	08/31/15 10:17	09/02/15 17:46	1
Indeno[1,2,3-cd]pyrene	ND		380	38	ug/Kg	**	08/31/15 10:17	09/02/15 17:46	1
Isophorone	ND		380	38	ug/Kg	*	08/31/15 10:17	09/02/15 17:46	-1
Naphthalene	ND		380	38	ug/Kg	*	08/31/15 10:17	09/02/15 17:46	1
Nitrobenzene	ND		380	38	ug/Kg	**	08/31/15 10:17	09/02/15 17:46	1
N-Nitrosodi-n-propylamine	ND		380	38	ug/Kg	**	08/31/15 10:17	09/02/15 17:46	1
Pentachlorophenol	ND		760	380	ug/Kg	**	08/31/15 10:17	09/02/15 17:46	1
Phenanthrene	ND		380	38	ug/Kg	**	08/31/15 10:17	09/02/15 17:46	1
Phenol	ND:		380	38	ug/Kg	**	08/31/15 10:17	09/02/15 17:46	1
Pyrene	ND		380	38	ug/Kg	**	08/31/15 10:17	09/02/15 17:46	1
N-Nitrosodiphenylamine	ND		380	38	ug/Kg	**	08/31/15 10:17	09/02/15 17:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	87		56 - 97				08/31/15 10:17	09/02/15 17:46	1
2-Fluorophenol (Surr)	78		53 - 97				08/31/15 10:17	09/02/15 17:46	1
Nitrobenzene-d5 (Surr)	79		55 - 98				08/31/15 10:17	09/02/15 17:46	1
Phenol-d5 (Surr)	80		54 - 101				08/31/15 10:17	09/02/15 17:46	1
Terphenyl-d14 (Surr)	78		58 - 123				08/31/15 10:17	09/02/15 17:46	1
2,4,6-Tribromophenol (Surr)	97		46 - 111				08/31/15 10:17	09/02/15 17:46	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trinitrobenzene	ND		240	26	ug/Kg	-	08/24/15 08:40	08/29/15 22:35	1
1,3-Dinitrobenzene	ND		240	41	ug/Kg		08/24/15 08:40	08/29/15 22:35	1
2,4,6-Trinitrotoluene	ND		240	34	ug/Kg		08/24/15 08:40	08/29/15 22:35	1
2,4-Dinitrotoluene	ND		240	36	ug/Kg		08/24/15 08:40	08/29/15 22:35	1
2,6-Dinitrotoluene	ND		240	60	ug/Kg		08/24/15 08:40	08/29/15 22:35	1
2-Amino-4,6-dinitrotoluene	ND		240	40	ug/Kg		08/24/15 08:40	08/29/15 22:35	1
4-Amino-2,6-dinitrotoluene	ND		240	88	ug/Kg		08/24/15 08:40	08/29/15 22:35	1
3-Nitrotoluene	ND		240	52	ug/Kg		08/24/15 08:40	08/29/15 22:35	1
Nitrobenzene	ND		240	41	ug/Kg		08/24/15 08:40	08/29/15 22:35	1
Nitroglycerin	ND		1200	250	ug/Kg		08/24/15 08:40	08/29/15 22:35	1
2-Nitrotoluene	ND		240	61	ug/Kg		08/24/15 08:40	08/29/15 22:35	1
4-Nitrotoluene	ND		240	77	ug/Kg		08/24/15 08:40	08/29/15 22:35	1
PETN	ND		2400	320	ug/Kg		08/24/15 08:40	08/29/15 22:35	1
RDX	ND		240	59	ug/Kg		08/24/15 08:40	08/29/15 22:35	1
HMX	ND		240	37	ug/Kg		08/24/15 08:40	08/29/15 22:35	1
Tetryl	ND		240	43	ug/Kg		08/24/15 08:40	08/29/15 22:35	1

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

Client Sample ID: 2015 08 18 M5

Date Collected: 08/18/15 08:50 Date Received: 08/20/15 09:15 Lab Sample ID: 160-13469-27

Matrix: Solid Percent Solids: 87.0

 Surrogate
 %Recovery
 Qualifier
 Limits
 Prepared
 Analyzed
 Dil Fac

 1,2-Dinitrobenzene (Surr)
 103
 79 - 120
 08/24/15 08:40
 08/29/15 22:35
 1

Client Sample ID: 2015 08 17 FIELD BLANK

Date Collected: 08/17/15 11:30 Date Received: 08/20/15 09:15 Lab Sample ID: 160-13469-28

Matrix: Water

Method: 8260C - Volatile O Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	6.7	ug/L		W. W. S. W.	08/24/15 17:23	1
Benzene	ND		5.0	0.25	ug/L			08/24/15 17:23	1
Bromoform	ND		5.0		ug/L			08/24/15 17:23	1
Bromodichloromethane	ND		5.0		ug/L			08/24/15 17:23	1
Bromomethane	ND		10	0.40	ug/L			08/24/15 17:23	1
2-Butanone (MEK)	ND		20		ug/L			08/24/15 17:23	1
Carbon disulfide	ND		5.0	0.37	ug/L			08/24/15 17:23	1
Carbon tetrachloride	ND		5.0	0.36	ug/L			08/24/15 17:23	1
Chlorobenzene	ND		5.0	0.38	ug/L			08/24/15 17:23	1
Chlorodibromomethane	ND		5.0	0.33	ug/L			08/24/15 17:23	1
Chloroethane	ND		10	0.38	ug/L			08/24/15 17:23	1
Chloroform	0.17	J	5.0	0.15	ug/L			08/24/15 17:23	1
Chloromethane	ND		10	0.55	ug/L			08/24/15 17:23	1
1,2-Dibromo-3-Chloropropane	ND		10	1.2	ug/L			08/24/15 17:23	1
1,1-Dichloroethane	ND		5.0	0.39	ug/L			08/24/15 17:23	1
1,2-Dichloroethane	ND		5.0	0.37	ug/L			08/24/15 17:23	1
cis-1,2-Dichloroethene	ND		5.0	0.16	ug/L			08/24/15 17:23	1
trans-1,2-Dichloroethene	ND		5.0		ug/L			08/24/15 17:23	- 1
1,1-Dichloroethene	ND		5.0	0.37	ug/L			08/24/15 17:23	1
1,2-Dichloropropane	ND		5.0	0.32	ug/L			08/24/15 17:23	1
Ethylbenzene	ND		5.0	0.30	ug/L			08/24/15 17:23	1
Hexachlorobutadiene	ND		5.0		ug/L			08/24/15 17:23	1
Isobutyl alcohol	ND		200		ug/L			08/24/15 17:23	1
Methylene Chloride	ND		5.0		ug/L			08/24/15 17:23	1
4-Methyl-2-pentanone (MIBK)	ND		20	0.33	ug/L			08/24/15 17:23	1
Methyl tert-butyl ether	ND		5.0	0.40	ug/L			08/24/15 17:23	1
Trichlorofluoromethane	ND		5.0		ug/L			08/24/15 17:23	1
Trichloroethene	ND		5.0	0.29				08/24/15 17:23	1
1,1,1-Trichloroethane	ND		5.0	0.29	ug/L			08/24/15 17:23	1
Vinyl chloride	ND		5.0	0.43	ug/L			08/24/15 17:23	1
1,1,1,2-Tetrachloroethane	ND		5.0		ug/L			08/24/15 17:23	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			08/24/15 17:23	1
1,1,2-Trichloroethane	ND		5.0	0.57				08/24/15 17:23	1
Styrene	ND		5.0	0.35	ug/L			08/24/15 17:23	1
Tetrachloroethene	ND		5.0		ug/L			08/24/15 17:23	1
Toluene	ND		5.0		ug/L			08/24/15 17:23	1
Xylenes, Total	ND		10		ug/L			08/24/15 17:23	1
1,3-Dichloropropene, Total	ND		10		ug/L			08/24/15 17:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	85		78 - 127					08/24/15 17:23	1
4-Bromofluorobenzene (Surr)	97		75 - 123					08/24/15 17:23	1

Client: SEMS, Inc.

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

Client Sample ID: 2015 08 17 FIELD BLANK

Date Collected: 08/17/15 11:30 Date Received: 08/20/15 09:15 Lab Sample ID: 160-13469-28

Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	93		80 - 120	-	08/24/15 17:23	1
Toluene-d8 (Surr)	102		80 - 120		08/24/15 17:23	1

Toluene-d8 (Surr)	102	80 - 120					08/24/15 17:23	1
Method: 8270D - Semivolati	le Organic Compo	ounds (GC/MS)						
Analyte	Result Qua	lifier RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND	10	1.0	ug/L		08/21/15 12:20	08/28/15 09:14	1
1,2,4,5-Tetrachlorobenzene	ND	10	1.0	ug/L		08/21/15 12:20	08/28/15 09:14	1
1,2,4-Trichlorobenzene	ND	10	1.0	ug/L		08/21/15 12:20	08/28/15 09:14	1
1,2-Dichlorobenzene	ND	10	1.0	ug/L		08/21/15 12:20	08/28/15 09:14	1
1,3-Dichlorobenzene	ND	10	1.0	ug/L		08/21/15 12:20	08/28/15 09:14	1
1,3-Dinitrobenzene	ND	10	1.0	ug/L		08/21/15 12:20	08/28/15 09:14	1
1,4-Dichlorobenzene	ND	10	1.0	ug/L		08/21/15 12:20	08/28/15 09:14	1
bis (2-chloroisopropyl) ether	ND	10	1.0	ug/L		08/21/15 12:20	08/28/15 09:14	1
2,3,4,6-Tetrachlorophenol	ND	52	1.0	ug/L		08/21/15 12:20	08/28/15 09:14	1
2,4,5-Trichlorophenol	ND	10	1.0	ug/L		08/21/15 12:20	08/28/15 09:14	1
2,4,6-Trichlorophenol	ND	10	1.0	ug/L		08/21/15 12:20	08/28/15 09:14	1
2,4-Dichlorophenol	ND	10	1.0	ug/L		08/21/15 12:20	08/28/15 09:14	1
2,4-Dimethylphenol	ND	10	1.0	ug/L		08/21/15 12:20	08/28/15 09:14	9
2,4-Dinitrophenol	ND *	52	2.1	ug/L			08/28/15 09:14	1
2,4-Dinitrotoluene	ND	10	1.0	ug/L		08/21/15 12:20	08/28/15 09:14	11
2,6-Dinitrotoluene	ND	10	2.2	ug/L		08/21/15 12:20	08/28/15 09:14	9
2-Chloronaphthalene	ND	10	1.0	ug/L		08/21/15 12:20		1
2-Chlorophenol	ND	10		ug/L		08/21/15 12:20		1
2-Methylnaphthalene	ND	10		ug/L		08/21/15 12:20		1
2-Nitroaniline	ND	10		-		08/21/15 12:20	트리지 중하면 이번, 경찰이라고	1
3,3'-Dichlorobenzidine	ND	52		ug/L		08/21/15 12:20		1
3-Nitroaniline	ND	10		ug/L		08/21/15 12:20		1
4-Nitroaniline	ND	10		ug/L		08/21/15 12:20		1
4-Nitrophenol	ND	10	2.1	ug/L		08/21/15 12:20		1
Acenaphthene	ND	10		ug/L		08/21/15 12:20		1
Acenaphthylene	ND	10		ug/L		08/21/15 12:20		14
Aniline	ND	10		ug/L		08/21/15 12:20	08/28/15 09:14	4
Anthracene	ND	10		ug/L		08/21/15 12:20	08/28/15 09:14	4
Benzo[a]anthracene	ND	10		ug/L		08/21/15 12:20		1
Benzo[a]pyrene	ND	10		ug/L		08/21/15 12:20	08/28/15 09:14	4
Benzo[b]fluoranthene	ND	10		ug/L			08/28/15 09:14	á
Benzo[k]fluoranthene	ND	10		ug/L		08/21/15 12:20		9
Bis(2-chloroethyl)ether	ND	10		ug/L		08/21/15 12:20		4
Bis(2-ethylhexyl) phthalate	ND	10		ug/L		08/21/15 12:20		1
Butyl benzyl phthalate	ND	10		ug/L		08/21/15 12:20		4
Chrysene	ND	10		ug/L			08/28/15 09:14	4
Di-n-butyl phthalate	ND	10		ug/L		08/21/15 12:20		4
Di-n-octyl phthalate	ND	10		ug/L		08/21/15 12:20		4
Dibenz(a,h)anthracene	ND	10		ug/L			08/28/15 09:14	1
Dibenzofuran	ND	10		ug/L			08/28/15 09:14	
Diethyl phthalate	ND	10		ug/L ug/L				2
Dimethyl phthalate	ND	10		ug/L		08/21/15 12:20		3
Fluoranthene	ND	10		ug/L ug/L		08/21/15 12:20 08/21/15 12:20		1
Fluorene						중에 맛이 하는 아이트 맛이 하다 !!		1
riddiene	ND	10	1.0	ug/L		08/21/15 12:20	08/28/15 09:14	1

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

Client Sample ID: 2015 08 17 FIELD BLANK

Date Collected: 08/17/15 11:30 Date Received: 08/20/15 09:15 Lab Sample ID: 160-13469-28

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 09:14	1
Hexachlorobenzene	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 09:14	1
Hexachlorocyclopentadiene	ND	*	10	1.0	ug/L		08/21/15 12:20	08/28/15 09:14	1
Hexachloroethane	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 09:14	1
Indeno[1,2,3-cd]pyrene	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 09:14	1
Isophorone	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 09:14	1
N-Nitrosodi-n-propylamine	ND		10	1.6	ug/L		08/21/15 12:20	08/28/15 09:14	1
Naphthalene	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 09:14	1
Nitrobenzene	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 09:14	1
Pentachlorophenol	ND		10	1.3	ug/L		08/21/15 12:20	08/28/15 09:14	1
Phenanthrene	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 09:14	1
Phenol	ND		10	2.1	ug/L		08/21/15 12:20	08/28/15 09:14	1
Pyrene	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 09:14	1
Diphenylamine	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 09:14	1
N-Nitrosodiphenylamine	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 09:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	84		37 - 120				08/21/15 12:20	08/28/15 09:14	1
2-Fluorobiphenyl (Surr)	67		43 - 108				08/21/15 12:20	08/28/15 09:14	1
2-Fluorophenol (Surr)	32		15 - 59				08/21/15 12:20	08/28/15 09:14	1
Nitrobenzene-d5 (Surr)	68		50 - 101				08/21/15 12:20	08/28/15 09:14	1
Phenol-d5 (Surr)	21		10-50				08/21/15 12:20	08/28/15 09:14	1
Terphenyl-d14 (Surr)	68		21-97				08/21/15 12:20	08/28/15 09:14	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trinitrobenzene	ND		0.20	0.057	ug/L		08/21/15 11:01	08/28/15 01:05	1
1,3-Dinitrobenzene	ND		0.20	0.10	ug/L		08/21/15 11:01	08/28/15 01:05	1
2,4,6-Trinitrotoluene	ND		0.20	0.080	ug/L		08/21/15 11:01	08/28/15 01:05	1
2,4-Dinitrotoluene	ND		0.20	0.081	ug/L		08/21/15 11:01	08/28/15 01:05	1
2,6-Dinitrotoluene	ND		0.20	0.13	ug/L		08/21/15 11:01	08/28/15 01:05	1
2-Amino-4,6-dinitrotoluene	ND		0.20	0.12	ug/L		08/21/15 11:01	08/28/15 01:05	1
4-Amino-2,6-dinitrotoluene	ND		0.20	0.12	ug/L		08/21/15 11:01	08/28/15 01:05	1
3-Nitrotoluene	ND		0.20	0.12	ug/L		08/21/15 11:01	08/28/15 01:05	1
Nitrobenzene	ND		0.20	0.082	ug/L		08/21/15 11:01	08/28/15 01:05	1
Nitroglycerin	ND		1.0	0.54	ug/L		08/21/15 11:01	08/28/15 01:05	1
2-Nitrotoluene	ND		0.50	0.095	ug/L		08/21/15 11:01	08/28/15 01:05	1
4-Nitrotoluene	ND		0.50	0.14	ug/L		08/21/15 11:01	08/28/15 01:05	1
PETN	ND		2.0	0.61	ug/L		08/21/15 11:01	08/28/15 01:05	1
RDX	ND		0.20	0.094	ug/L		08/21/15 11:01	08/28/15 01:05	1
HMX	ND	*	0.20	0.11	ug/L		08/21/15 11:01	08/28/15 01:05	1
Tetryl	ND		0.20	0.059	ug/L		08/21/15 11:01	08/28/15 01:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dinitrobenzene (Surr)	96		81 - 113				08/21/15 11:01	08/28/15 01:05	1

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

Client Sample ID: 2015 08 17 EQUIP BLANK

Date Collected: 08/17/15 12:30

Date Received: 08/20/15 09:15

Lab Sample ID: 160-13469-29

Matrix: Water

Analyte	- 11777117	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fa
Acetone	ND		20	6.7	ug/L			08/24/15 18:00	
Benzene	ND		5.0	0.25	ug/L			08/24/15 18:00	1
Bromoform	ND		5.0	0.37	ug/L			08/24/15 18:00	
Bromodichloromethane	ND		5.0	0.25	ug/L			08/24/15 18:00	
Bromomethane	ND		10	0.40	ug/L			08/24/15 18:00	
2-Butanone (MEK)	ND		20	0.39	ug/L			08/24/15 18:00	
Carbon disulfide	ND		5.0	0.37	ug/L			08/24/15 18:00	1
Carbon tetrachloride	ND		5.0	0.36	ug/L			08/24/15 18:00	3
Chlorobenzene	ND		5.0	0.38	ug/L			08/24/15 18:00	9
Chlorodibromomethane	ND		5.0	0.33	ug/L			08/24/15 18:00	-
Chloroethane	ND		10	0.38	ug/L			08/24/15 18:00	
Chloroform	ND		5.0	0.15	ug/L			08/24/15 18:00	
Chloromethane	ND		10	0.55	ug/L			08/24/15 18:00	4
1,2-Dibromo-3-Chloropropane	ND		10	1.2	ug/L			08/24/15 18:00	
1,1-Dichloroethane	ND		5.0		ug/L			08/24/15 18:00	4
1,2-Dichloroethane	ND		5.0		ug/L			08/24/15 18:00	
cis-1,2-Dichloroethene	ND		5.0		ug/L			08/24/15 18:00	
trans-1,2-Dichloroethene	ND		5.0		ug/L			08/24/15 18:00	
1,1-Dichloroethene	ND		5.0		ug/L			08/24/15 18:00	
1,2-Dichloropropane	ND		5.0		ug/L			08/24/15 18:00	
Ethylbenzene	ND		5.0		ug/L			08/24/15 18:00	
Hexachlorobutadiene	ND		5.0		ug/L			08/24/15 18:00	
Isobutyl alcohol	ND		200		ug/L			08/24/15 18:00	
Methylene Chloride	ND		5.0		ug/L			08/24/15 18:00	
4-Methyl-2-pentanone (MIBK)	ND		20		ug/L			08/24/15 18:00	
Methyl tert-butyl ether	ND		5.0		ug/L			08/24/15 18:00	
Trichlorofluoromethane	ND		5.0		ug/L			08/24/15 18:00	
Trichloroethene	1.0	JB	5.0		ug/L			08/24/15 18:00	
1,1,1-Trichloroethane	ND		5.0		ug/L			08/24/15 18:00	
Vinyl chloride	ND		5.0		ug/L			08/24/15 18:00	
1,1,1,2-Tetrachloroethane	ND		5.0		ug/L			08/24/15 18:00	
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			08/24/15 18:00	
1,1,2-Trichloroethane	ND		5.0		ug/L			08/24/15 18:00	
Styrene	ND		5.0		ug/L			08/24/15 18:00	
Tetrachloroethene	ND		5.0		ug/L			08/24/15 18:00	
Foluene	ND		5.0		ug/L			08/24/15 18:00	
Xylenes, Total	ND		10		ug/L			08/24/15 18:00	1
1,3-Dichloropropene, Total	ND		10		ug/L			08/24/15 18:00	1
					-3			33.2.11.13.13.13	100
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	83		78 - 127					08/24/15 18:00	1
4-Bromofluorobenzene (Surr)	95		75 - 123					08/24/15 18:00	1
Dibromofluoromethane (Surr)	94		80 - 120					08/24/15 18:00	1
Toluene-d8 (Surr)	102		80 - 120					08/24/15 18:00	1
Method: 8270D - Semivolati	le Organic Co	mpounds	(GC/MS)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
,1'-Biphenyl	ND		11	1.1	ug/L		08/21/15 12:20	08/28/15 09:47	1
,2,4,5-Tetrachlorobenzene	ND		11		ug/L		08/21/15 12:20	08/28/15 09:47	1
,2,4-Trichlorobenzene	ND		11		ug/L		08/21/15 12:20	08/28/15 09:47	- 1

Client: SEMS, Inc TestAmerica Job ID: 160-13469-1

Project/Site: Camp Minden Baseline Project

Client Sample ID: 2015 08 17 EQUIP BLANK

Lab Sample ID: 160-13469-29 Date Collected: 08/17/15 12:30 Matrix: Water

Date Received: 08/20/15 09:15

Analyte	e Organic Compounds (G Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
1,2-Dichlorobenzene	ND	11	1.1	ug/L	-	08/21/15 12:20	08/28/15 09:47	9711111
1,3-Dichlorobenzene	ND	11	1.1	ug/L		08/21/15 12:20	08/28/15 09:47	
1,3-Dinitrobenzene	ND	11	1.1	ug/L		08/21/15 12:20	08/28/15 09:47	
1,4-Dichlorobenzene	ND	11	1.1	ug/L		08/21/15 12:20	08/28/15 09:47	
ois (2-chloroisopropyl) ether	ND	11	1.1			08/21/15 12:20	08/28/15 09:47	
,3,4,6-Tetrachlorophenol	ND	53	1.1	-		08/21/15 12:20	08/28/15 09:47	
2,4,5-Trichlorophenol	ND	11	1.1	ug/L		08/21/15 12:20		
,4,6-Trichlorophenol	ND	11	1.1	ug/L		08/21/15 12:20		
,4-Dichlorophenol	ND	11	1.1	ug/L		08/21/15 12:20		
,4-Dimethylphenol	ND	11	1.1	ug/L		08/21/15 12:20	08/28/15 09:47	
1,4-Dinitrophenol	ND *	53	2.1			08/21/15 12:20	" [존경 집기] 그 (존경기)	
4-Dinitrotoluene	ND	11	1.1	100 100 100 100 100 100 100 100 100 100		08/21/15 12:20		
,6-Dinitrotoluene	ND	11	2.3			08/21/15 12:20		
-Chloronaphthalene	ND	11	1.1			08/21/15 12:20		
-Chlorophenol	ND	11	1.1				08/28/15 09:47	
-Methylnaphthalene	ND	11	1.1			08/21/15 12:20		
-Nitroaniline	ND	11	1.2			08/21/15 12:20		
,3'-Dichlorobenzidine	ND	53	1.4			08/21/15 12:20		
-Nitroaniline	ND	11	1.1				08/28/15 09:47	
-Nitroaniline	ND	11	1.1	-			08/28/15 09:47	
	ND	11	2.1	7 3			08/28/15 09:47	
-Nitrophenol	ND	11						
cenaphthene			1.1	10 L 10 L 10			08/28/15 09:47	
cenaphthylene	ND	11	1.1				08/28/15 09:47	
miline	ND	11	1.4	-			08/28/15 09:47	
Anthracene	ND	11	1.1				08/28/15 09:47	
Senzo[a]anthracene	ND	11	1.1				08/28/15 09:47	
Benzo[a]pyrene	ND	11	1.1				08/28/15 09:47	
Senzo[b]fluoranthene	ND	11	1.1				08/28/15 09:47	
Benzo[k]fluoranthene	ND	11	1.1				08/28/15 09:47	
Bis(2-chloroethyl)ether	ND	11	1.1	-			08/28/15 09:47	
Bis(2-ethylhexyl) phthalate	ND	11	2.0				08/28/15 09:47	
Butyl benzyl phthalate	ND	11	1.1				08/28/15 09:47	
Chrysene	ND	11	1.1				08/28/15 09:47	
Di-n-butyl phthalate	ND	11	1.1				08/28/15 09:47	
Di-n-octyl phthalate	ND	11	1.1				08/28/15 09:47	
Dibenz(a,h)anthracene	ND	11	1.1	100			08/28/15 09:47	
Dibenzofuran	ND	11	1.1	-			08/28/15 09:47	
Diethyl phthalate	ND	11	1.1	4			08/28/15 09:47	
Dimethyl phthalate	ND	11	1.1	and the second			08/28/15 09:47	
luoranthene	ND	11	1.1	ug/L			08/28/15 09:47	
Fluorene	ND	11	1.1	The second second		08/21/15 12:20	08/28/15 09:47	
lexachlorobutadiene	ND	11		ug/L			08/28/15 09:47	
Hexachlorobenzene	ND	11	1.1	-		08/21/15 12:20	08/28/15 09:47	
Hexachlorocyclopentadiene	ND *	11	1.1	ug/L		08/21/15 12:20	08/28/15 09:47	
lexachloroethane	ND	11	1.1	ug/L		08/21/15 12:20	08/28/15 09:47	
ndeno[1,2,3-cd]pyrene	ND	11	1.1	ug/L		08/21/15 12:20	08/28/15 09:47	
sophorone	ND	11	1.1	ug/L		08/21/15 12:20	08/28/15 09:47	
N-Nitrosodi-n-propylamine	ND	11	1.6	ug/L		08/21/15 12:20	08/28/15 09:47	
Naphthalene	ND	11	1.1	ug/L		08/21/15 12:20	08/28/15 09:47	

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

Client Sample ID: 2015 08 17 EQUIP BLANK

Date Collected: 08/17/15 12:30 Date Received: 08/20/15 09:15

Lab Sample ID: 160-13469-29

Matrix: Water

Method: 8270D	- Semivolatile	Organic	Compounds	(GC/MS)	(Continued)	
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Analyte	Result	Qualifier	RL.	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	ND		11	1.1	ug/L		08/21/15 12:20	08/28/15 09:47	1
Pentachlorophenol	ND		11	1.4	ug/L		08/21/15 12:20	08/28/15 09:47	1
Phenanthrene	ND		11	1.1	ug/L		08/21/15 12:20	08/28/15 09:47	1
Phenol	ND		11	2.1	ug/L		08/21/15 12:20	08/28/15 09:47	1
Pyrene	ND		11	1.1	ug/L		08/21/15 12:20	08/28/15 09:47	1
Diphenylamine	ND		11	1.1	ug/L		08/21/15 12:20	08/28/15 09:47	1
N-Nitrosodiphenylamine	ND		11	1.1	ug/L		08/21/15 12:20	08/28/15 09:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
0 4 C Talk			07 400				THE RESERVE OF THE PERSON NAMED IN	THE RESERVE OF THE PARTY OF THE	

%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
81		37 - 120	08/21/15 12:20	08/28/15 09:47	1
63		43 - 108	08/21/15 12:20	08/28/15 09:47	1
31		15 - 59	08/21/15 12:20	08/28/15 09:47	1
66		50 - 101	08/21/15 12:20	08/28/15 09:47	1
21		10 - 50	08/21/15 12:20	08/28/15 09:47	1
68		21 - 97	08/21/15 12:20	08/28/15 09:47	1
	81 63 31 66 21	63 31 66 21	81 37 - 120 63 43 - 108 31 15 - 59 66 50 - 101 21 10 - 50	81 37 - 120 08/21/15 12:20 63 43 - 108 08/21/15 12:20 31 15 - 59 08/21/15 12:20 66 50 - 101 08/21/15 12:20 21 10 - 50 08/21/15 12:20	81 37 - 120 08/21/15 12:20 08/28/15 09:47 63 43 - 108 08/21/15 12:20 08/28/15 09:47 31 15 - 59 08/21/15 12:20 08/28/15 09:47 66 50 - 101 08/21/15 12:20 08/28/15 09:47 21 10 - 50 08/21/15 12:20 08/28/15 09:47

Method:	8330B	 Nitroaromatics 	and	Nitramines	(HPLC)
A CONTRACTOR OF THE PARTY OF TH			and the second	and the same of the same of	and the second s

Method: 8330B - Nitroaro Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trinitrobenzene	ND		0.20	0.057	ug/L		08/21/15 11:01	08/28/15 01:28	1
1,3-Dinitrobenzene	ND		0.20	0.10	ug/L		08/21/15 11:01	08/28/15 01:28	1
2,4,6-Trinitrotoluene	ND		0.20	0.080	ug/L		08/21/15 11:01	08/28/15 01:28	1
2,4-Dinitrotoluene	ND		0.20	0.081	ug/L		08/21/15 11:01	08/28/15 01:28	1
2,6-Dinitrotoluene	ND		0.20	0.13	ug/L		08/21/15 11:01	08/28/15 01:28	1
2-Amino-4,6-dinitrotoluene	ND		0.20	0.12	ug/L		08/21/15 11:01	08/28/15 01:28	1
4-Amino-2,6-dinitrotoluene	ND		0.20	0.12	ug/L		08/21/15 11:01	08/28/15 01:28	1
3-Nitrotoluene	ND		0.20	0.12	ug/L		08/21/15 11:01	08/28/15 01:28	1
Nitrobenzene	ND		0.20	0.082	ug/L		08/21/15 11:01	08/28/15 01:28	1
Nitroglycerin	ND		1.0	0.54	ug/L		08/21/15 11:01	08/28/15 01:28	1
2-Nitrotoluene	ND		0.50	0.095	ug/L		08/21/15 11:01	08/28/15 01:28	1
4-Nitrotoluene	ND		0.50	0.14	ug/L		08/21/15 11:01	08/28/15 01:28	1
PETN	ND		2.0	0.61	ug/L		08/21/15 11:01	08/28/15 01:28	1
RDX	ND		0.20	0.094	ug/L		08/21/15 11:01	08/28/15 01:28	1
HMX	ND	*	0.20	0.11	ug/L		08/21/15 11:01	08/28/15 01:28	1
Tetryl	ND		0.20	0.059	ug/L		08/21/15 11:01	08/28/15 01:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dinitrobenzene (Surr)	98		81 - 113				08/21/15 11:01	08/28/15 01:28	1

Client Sample ID: 2015 08 18 FIELD BLANK

Date Collected: 08/18/15 07:45 Date Received: 08/20/15 09:15 Lab Sample ID: 160-13469-30

Matrix: Water

Method:	8260C - Vol	atile Organi	ic Compounds	by GC/MS
			and the second s	4 44

Analyte	Result C	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	20	6.7	ug/L			08/24/15 18:26	1
Benzene	ND	5.0	0.25	ug/L			08/24/15 18:26	1
Bromoform	ND	5.0	0.37	ug/L			08/24/15 18:26	1
Bromodichloromethane	ND	5.0	0.25	ug/L			08/24/15 18:26	1
Bromomethane	ND	10	0.40	ug/L			08/24/15 18:26	1
2-Butanone (MEK)	ND	20	0.39	ug/L			08/24/15 18:26	1

Client: SEMS, Inc TestAmerica Job ID: 160-13469-1

Project/Site: Camp Minden Baseline Project

Client Sample ID: 2015 08 18 FIELD BLANK

Date Collected: 08/18/15 07:45 Date Received: 08/20/15 09:15

1,1'-Biphenyl

1,2,4,5-Tetrachlorobenzene

bis (2-chloroisopropyl) ether

2,3,4,6-Tetrachlorophenol

1,2,4-Trichlorobenzene

1,2-Dichlorobenzene

1,3-Dichlorobenzene

1,4-Dichlorobenzene

1,3-Dinitrobenzene

Lab Sample ID: 160-13469-30

Matrix: Water

Analyte		unds by G Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND	-	5.0	0.37	ug/L	_ ~ .		08/24/15 18:26	1
Carbon tetrachloride	ND		5.0	0.36	ug/L			08/24/15 18:26	1
Chlorobenzene	ND		5.0	0.38	ug/L			08/24/15 18:26	1
Chlorodibromomethane	ND		5.0	0.33	ug/L			08/24/15 18:26	1
Chloroethane	ND		10	0.38	ug/L			08/24/15 18:26	1
Chloroform	ND		5.0	0.15	ug/L			08/24/15 18:26	1
Chloromethane	ND		10	0.55	ug/L			08/24/15 18:26	1
1,2-Dibromo-3-Chloropropane	ND		10	1.2	ug/L			08/24/15 18:26	1
1,1-Dichloroethane	ND		5.0	0.39	ug/L			08/24/15 18:26	- 1
1,2-Dichloroethane	ND		5.0	0.37	ug/L			08/24/15 18:26	1
cis-1,2-Dichloroethene	ND		5.0	0.16	ug/L			08/24/15 18:26	1
trans-1,2-Dichloroethene	ND		5.0	0.18	ug/L			08/24/15 18:26	1
1,1-Dichloroethene	ND		5.0	0.37	ug/L			08/24/15 18:26	1
1,2-Dichloropropane	ND		5.0		ug/L			08/24/15 18:26	1
Ethylbenzene	ND		5.0	0.30	ug/L			08/24/15 18:26	1
Hexachlorobutadiene	ND		5.0	0.25	ug/L			08/24/15 18:26	1
Isobutyl alcohol	ND		200	7.3	ug/L			08/24/15 18:26	1
Methylene Chloride	ND		5.0	1.7				08/24/15 18:26	1
4-Methyl-2-pentanone (MIBK)	ND		20	0.33	ug/L			08/24/15 18:26	1
Methyl tert-butyl ether	ND		5.0	0.40	ug/L			08/24/15 18:26	1
Trichlorofluoromethane	ND		5.0	0.22	ug/L			08/24/15 18:26	1
Trichloroethene	0.57	JB	5.0	0.29	ug/L			08/24/15 18:26	1
1,1,1-Trichloroethane	ND		5.0	0.29	ug/L			08/24/15 18:26	1
Vinyl chloride	ND		5.0	0.43	ug/L			08/24/15 18:26	1
1,1,1,2-Tetrachloroethane	ND		5.0	0.25	ug/L			08/24/15 18:26	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	ug/L			08/24/15 18:26	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/L			08/24/15 18:26	1
Styrene	ND		5.0	0.35	ug/L			08/24/15 18:26	1
Tetrachloroethene	ND		5.0	0.28	ug/L			08/24/15 18:26	1
Toluene	ND		5.0	1.0	ug/L			08/24/15 18:26	1
Xylenes, Total	ND		10	0.85	ug/L			08/24/15 18:26	1
1,3-Dichloropropene, Total	ND		10	0.69	ug/L			08/24/15 18:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	85		78 - 127					08/24/15 18:26	1
4-Bromofluorobenzene (Surr)	99		75 - 123					08/24/15 18:26	1
Dibromofluoromethane (Surr)	96		80 - 120					08/24/15 18:26	1
Toluene-d8 (Surr)	104		80 - 120					08/24/15 18:26	1
Method: 8270D - Semivolat	le Organic Co	mpounds	(GC/MS)						

TestAmerica St. Louis

08/21/15 12:20 08/28/15 10:19

08/21/15 12:20 08/28/15 10:19

08/21/15 12:20 08/28/15 10:19

08/21/15 12:20 08/28/15 10:19

08/21/15 12:20 08/28/15 10:19

08/21/15 12:20 08/28/15 10:19

08/21/15 12:20 08/28/15 10:19

08/21/15 12:20 08/28/15 10:19

08/21/15 12:20 08/28/15 10:19

9.9

9.9

9.9

9.9

9.9

9.9

9.9

9.9

50

ND

ND

ND

ND

ND

ND

ND

ND

ND

0.99 ug/L

1

1

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

Client Sample ID: 2015 08 18 FIELD BLANK

Lab Sample ID: 160-13469-30 Date Collected: 08/18/15 07:45 Matrix: Water

Date Received: 08/20/15 09:15

Method: 8270D - Semivolatil Analyte	Result Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fa
2,4,5-Trichlorophenol	ND	9.9	0.99	ug/L		08/21/15 12:20	08/28/15 10:19	
2,4,6-Trichlorophenol	ND	9.9	0.99	ug/L		08/21/15 12:20	08/28/15 10:19	
2,4-Dichlorophenol	ND	9.9	0.99	ug/L		08/21/15 12:20	08/28/15 10:19	
2,4-Dimethylphenol	ND	9.9	0.99	ug/L		08/21/15 12:20	08/28/15 10:19	
2,4-Dinitrophenol	ND *	50	2.0	ug/L		08/21/15 12:20	08/28/15 10:19	
2,4-Dinitrotoluene	ND	9.9	0.99	ug/L		08/21/15 12:20	08/28/15 10:19	
2,6-Dinitrotoluene	ND	9.9	2.1	ug/L		08/21/15 12:20	08/28/15 10:19	
2-Chloronaphthalene	ND	9.9	0.99	ug/L		08/21/15 12:20	08/28/15 10:19	
2-Chlorophenol	ND	9.9	0.99	ug/L		08/21/15 12:20	08/28/15 10:19	
2-Methylnaphthalene	ND	9.9	0.99	ug/L		08/21/15 12:20	08/28/15 10:19	
2-Nitroaniline	ND	9.9	1.1	ug/L		08/21/15 12:20	08/28/15 10:19	
3,3'-Dichlorobenzidine	ND	50	1.3	ug/L		08/21/15 12:20	08/28/15 10:19	
3-Nitroaniline	ND	9.9	0.99	ug/L		08/21/15 12:20	08/28/15 10:19	
-Nitroaniline	ND	9.9	0.99				08/28/15 10:19	
-Nitrophenol	ND	9.9		ug/L		08/21/15 12:20	08/28/15 10:19	
cenaphthene	ND	9.9	0.99	200		08/21/15 12:20	08/28/15 10:19	
cenaphthylene	ND	9.9	0.99	ug/L		08/21/15 12:20	08/28/15 10:19	
niline	ND	9.9		ug/L		08/21/15 12:20	08/28/15 10:19	
nthracene	ND	9.9	0.99			08/21/15 12:20	08/28/15 10:19	
enzo[a]anthracene	ND	9.9	0.99	7		08/21/15 12:20	08/28/15 10:19	
enzo[a]pyrene	ND	9.9	0.99			08/21/15 12:20	08/28/15 10:19	
enzo[b]fluoranthene	ND	9.9	0.99	X 75		08/21/15 12:20	08/28/15 10:19	
enzo[k]fluoranthene	ND	9.9	0.99			08/21/15 12:20	08/28/15 10:19	
is(2-chloroethyl)ether	ND	9.9		ug/L		08/21/15 12:20	08/28/15 10:19	
is(2-ethylhexyl) phthalate	ND	9.9		ug/L		08/21/15 12:20	08/28/15 10:19	
utyl benzyl phthalate	ND	9.9		ug/L			08/28/15 10:19	
hrysene	ND	9.9		ug/L			08/28/15 10:19	
i-n-butyl phthalate	ND	9.9		ug/L			08/28/15 10:19	
i-n-octyl phthalate	ND	9.9		ug/L		08/21/15 12:20	08/28/15 10:19	
ibenz(a,h)anthracene	ND	9.9		ug/L		08/21/15 12:20	08/28/15 10:19	
ibenzofuran	ND	9.9		ug/L		08/21/15 12:20	08/28/15 10:19	
liethyl phthalate	ND	9.9		ug/L		08/21/15 12:20	08/28/15 10:19	
imethyl phthalate	ND	9.9		ug/L			08/28/15 10:19	
luoranthene	ND	9.9		ug/L			08/28/15 10:19	
luorene	ND	9.9	0.99			08/21/15 12:20		
exachlorobutadiene	ND	9.9	0.99	177		08/21/15 12:20		
exachlorobenzene	ND	9.9	0.99	7		08/21/15 12:20		
exachlorocyclopentadiene	ND *	9.9	0.99				08/28/15 10:19	
exachloroethane	ND	9.9	0.99			08/21/15 12:20		
deno[1,2,3-cd]pyrene	ND	9.9	0.99			08/21/15 12:20		
ophorone	ND	9.9	0.99				08/28/15 10:19	
-Nitrosodi-n-propylamine	ND	9.9	1.5				08/28/15 10:19	
aphthalene	ND	9.9	0.99	1.75		08/21/15 12:20		
itrobenzene	ND	9.9	0.99	- F-17		08/21/15 12:20		
entachlorophenol	ND	9.9	1.3			08/21/15 12:20		
henanthrene	ND	9.9	0.99					
henol	ND					08/21/15 12:20		
		9.9	2.0			08/21/15 12:20		
Pyrene Diphenylamine	ND ND	9.9 9.9	0.99			08/21/15 12:20	08/28/15 10:19 08/28/15 10:19	

Client: SEMS, Inc.

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

Client Sample ID: 2015 08 18 FIELD BLANK

Date Collected: 08/18/15 07:45 Date Received: 08/20/15 09:15 Lab Sample ID: 160-13469-30

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		9.9	0.99	ug/L		08/21/15 12:20	08/28/15 10:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	79		37 - 120				08/21/15 12:20	08/28/15 10:19	1
2-Fluorobiphenyl (Surr)	64		43 - 108				08/21/15 12:20	08/28/15 10:19	1

2,4,6-Tribromophenol (Surr)	79	37 - 120	08/21/15 12:20	08/28/15 10:19	1
2-Fluorobiphenyl (Surr)	64	43 - 108	08/21/15 12:20	08/28/15 10:19	-
2-Fluorophenol (Surr)	28	<i>15 - 59</i>	08/21/15 12:20	08/28/15 10:19	1
Nitrobenzene-d5 (Surr)	64	50 - 101	08/21/15 12:20	08/28/15 10:19	1
Phenol-d5 (Surr)	19	10 - 50	08/21/15 12:20	08/28/15 10:19	
Terphenyl-d14 (Surr)	65	21 - 97	08/21/15 12:20	08/28/15 10:19	7

Method: 8330E	- Nitroaromatics	and Nitramines	(HPLC)
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Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trinitrobenzene	ND		0.20	0.057	ug/L		08/21/15 11:01	08/28/15 01:51	1
1,3-Dinitrobenzene	ND		0.20	0.10	ug/L		08/21/15 11:01	08/28/15 01:51	1
2,4,6-Trinitrotoluene	ND		0.20	0.080	ug/L		08/21/15 11:01	08/28/15 01:51	1
2,4-Dinitrotoluene	ND		0.20	0.081	ug/L		08/21/15 11:01	08/28/15 01:51	1
2,6-Dinitrotoluene	ND		0.20	0.13	ug/L		08/21/15 11:01	08/28/15 01:51	1
2-Amino-4,6-dinitrotoluene	ND		0.20	0.12	ug/L		08/21/15 11:01	08/28/15 01:51	1
4-Amino-2,6-dinitrotoluene	ND		0.20	0.12	ug/L		08/21/15 11:01	08/28/15 01:51	1
3-Nitrotoluene	ND		0.20	0.12	ug/L		08/21/15 11:01	08/28/15 01:51	1
Nitrobenzene	ND		0.20	0.082	ug/L		08/21/15 11:01	08/28/15 01:51	1
Nitroglycerin	ND		1.0	0.54	ug/L		08/21/15 11:01	08/28/15 01:51	1
2-Nitrotoluene	ND		0.50	0.095	ug/L		08/21/15 11:01	08/28/15 01:51	1
4-Nitrotoluene	ND		0.50	0.14	ug/L		08/21/15 11:01	08/28/15 01:51	1
PETN	ND		2.0	0.61	ug/L		08/21/15 11:01	08/28/15 01:51	1
RDX	ND		0.20	0.094	ug/L		08/21/15 11:01	08/28/15 01:51	1
HMX	ND	*	0.20	0.11	ug/L		08/21/15 11:01	08/28/15 01:51	1
Tetryl	ND		0.20	0.059	ug/L		08/21/15 11:01	08/28/15 01:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

81-113

Client Sample ID: 2015 08 18 EQUIP BLANK

Date Collected: 08/18/15 08:00 Date Received: 08/20/15 09:15

1,2-Dinitrobenzene (Surr)

Lab Sample ID: 160-13469-31

08/21/15 11:01 08/28/15 01:51

Matrix: Water

Method: 8260C - Volatile	Organic Compounds by GC/M				
Analyte	Result	Qualifier			
Acetone	ND				

Analyte	Result Q	RL	MDL	Unit	D	Prepared	Analyzed	DII Fac
Acetone	ND	20	6.7	ug/L	=		08/24/15 18:51	1
Benzene	ND	5.0	0.25	ug/L		1	08/24/15 18:51	1
Bromoform	ND	5.0	0.37	ug/L			08/24/15 18:51	1
Bromodichloromethane	ND	5.0	0.25	ug/L			08/24/15 18:51	1
Bromomethane	ND	10	0.40	ug/L			08/24/15 18:51	1
2-Butanone (MEK)	ND	20	0.39	ug/L			08/24/15 18:51	1
Carbon disulfide	ND	5.0	0.37	ug/L			08/24/15 18:51	1
Carbon tetrachloride	ND	5.0	0.36	ug/L			08/24/15 18:51	1
Chlorobenzene	ND	5.0	0.38	ug/L			08/24/15 18:51	1
Chlorodibromomethane	ND	5.0	0.33	ug/L			08/24/15 18:51	1
Chloroethane	ND	10	0.38	ug/L			08/24/15 18:51	1
Chloroform	ND	5.0	0.15	ug/L			08/24/15 18:51	1

Client: SEMS, Inc.

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

Client Sample ID: 2015 08 18 EQUIP BLANK

Date Collected: 08/18/15 08:00 Date Received: 08/20/15 09:15

Lab Sample ID: 160-13469-31

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		10	0.55	ug/L			08/24/15 18:51	1
1,2-Dibromo-3-Chloropropane	ND		10	1.2	ug/L			08/24/15 18:51	1
1,1-Dichloroethane	ND		5.0	0.39	ug/L			08/24/15 18:51	1
1,2-Dichloroethane	ND		5.0	0.37	ug/L			08/24/15 18:51	1
cis-1,2-Dichloroethene	ND		5.0	0.16	ug/L			08/24/15 18:51	1
trans-1,2-Dichloroethene	ND		5.0	0.18	ug/L			08/24/15 18:51	1
1,1-Dichloroethene	ND		5.0	0.37	ug/L			08/24/15 18:51	1
1,2-Dichloropropane	ND		5.0	0.32	ug/L			08/24/15 18:51	1
Ethylbenzene	ND		5.0	0.30	ug/L			08/24/15 18:51	1
Hexachlorobutadiene	ND		5.0	0.25	ug/L			08/24/15 18:51	1
Isobutyl alcohol	ND		200	7.3	ug/L			08/24/15 18:51	1
Methylene Chloride	ND		5.0	1.7	ug/L			08/24/15 18:51	1
4-Methyl-2-pentanone (MIBK)	ND		20	0.33	ug/L			08/24/15 18:51	1
Methyl tert-butyl ether	ND		5.0	0.40	ug/L			08/24/15 18:51	1
Trichlorofluoromethane	ND		5.0	0.22	ug/L			08/24/15 18:51	1
Trichloroethene	0.90	JB	5.0	0.29	ug/L			08/24/15 18:51	1
1,1,1-Trichloroethane	ND		5.0	0.29	ug/L			08/24/15 18:51	1
Vinyl chloride	ND		5.0	0.43	ug/L			08/24/15 18:51	1
1,1,1,2-Tetrachloroethane	ND		5.0	0.25	ug/L			08/24/15 18:51	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	ug/L			08/24/15 18:51	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/L			08/24/15 18:51	1
Styrene	ND		5.0	0.35	ug/L			08/24/15 18:51	1
Tetrachloroethene	ND		5.0	0.28	ug/L			08/24/15 18:51	1
Toluene	ND		5.0	1.0	ug/L			08/24/15 18:51	1
Xylenes, Total	ND		10	0.85	ug/L			08/24/15 18:51	1
1,3-Dichloropropene, Total	ND		10	0.69	ug/L			08/24/15 18:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	89		78 - 127			-		08/24/15 18:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	89		78 - 127		08/24/15 18:51	1
4-Bromofluorobenzene (Surr)	98		75 - 123		08/24/15 18:51	1
Dibromofluoromethane (Surr)	96		80 - 120		08/24/15 18:51	1
Toluene-d8 (Surr)	104		80 - 120		08/24/15 18:51	1

Method: 8270D - Semivolatile Or Analyte	The state of the s	mpounds (G Qualifier	C/MS) RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND	_	10	1.0	ug/L		08/21/15 12:20	08/28/15 10:52	1
1,2,4,5-Tetrachlorobenzene	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 10:52	1
1,2,4-Trichlorobenzene	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 10:52	1
1,2-Dichlorobenzene	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 10:52	1
1,3-Dichlorobenzene	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 10:52	1
1,3-Dinitrobenzene	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 10:52	1
1,4-Dichlorobenzene	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 10:52	1
bis (2-chloroisopropyl) ether	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 10:52	1
2,3,4,6-Tetrachlorophenol	ND		52	1.0	ug/L		08/21/15 12:20	08/28/15 10:52	1
2,4,5-Trichlorophenol	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 10:52	1
2,4,6-Trichlorophenol	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 10:52	1
2,4-Dichlorophenol	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 10:52	1
2,4-Dimethylphenol	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 10:52	1
2,4-Dinitrophenol	ND '	•	52	2.1	ug/L		08/21/15 12:20	08/28/15 10:52	1
2,4-Dinitrotoluene	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 10:52	1

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

Client Sample ID: 2015 08 18 EQUIP BLANK

Date Collected: 08/18/15 08:00 Date Received: 08/20/15 09:15 TestAmerica Job ID: 160-13469-1

Lab Sample ID: 160-13469-31

Matrix: Water

Method: 8270D - Semivola Analyte	Result Qualifie			Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND	10	2.3	ug/L		08/21/15 12:20	08/28/15 10:52	1
2-Chloronaphthalene	ND	10	1.0	ug/L		08/21/15 12:20	08/28/15 10:52	1
2-Chlorophenol	ND	10	1.0	ug/L		08/21/15 12:20	08/28/15 10:52	1
2-Methylnaphthalene	ND	10	1.0	ug/L		08/21/15 12:20	08/28/15 10:52	1
2-Nitroaniline	ND	10	1.2	ug/L		08/21/15 12:20	08/28/15 10:52	1
3,3'-Dichlorobenzidine	ND	52	1.4	ug/L			08/28/15 10:52	1
3-Nitroaniline	ND	10	1.0	ug/L		08/21/15 12:20	08/28/15 10:52	1
4-Nitroaniline	ND	10	1.0	and the second		08/21/15 12:20	08/28/15 10:52	1
4-Nitrophenol	ND	10	2.1	ug/L		08/21/15 12:20	08/28/15 10:52	1
Acenaphthene	ND	10	1.0				08/28/15 10:52	1
Acenaphthylene	ND	10	1.0				08/28/15 10:52	1
Aniline	ND	10	1.3	ug/L			08/28/15 10:52	1
Anthracene	ND	10	1.0			08/21/15 12:20	08/28/15 10:52	1
Benzo[a]anthracene	ND	10	1.0				08/28/15 10:52	1
Benzo[a]pyrene	ND	10	1.0	ug/L		08/21/15 12:20		1
Benzo[b]fluoranthene	ND	10	1.0	and the same of th			08/28/15 10:52	1
Benzo[k]fluoranthene	ND	10	1.0			08/21/15 12:20		1
Bis(2-chloroethyl)ether	ND	10	1.0	ug/L		08/21/15 12:20	08/28/15 10:52	4
Bis(2-ethylhexyl) phthalate	ND	10	1.9			08/21/15 12:20	08/28/15 10:52	4
Butyl benzyl phthalate	ND	10	1.0	10 to		08/21/15 12:20	08/28/15 10:52	1
Chrysene	ND	10	1.0			08/21/15 12:20	08/28/15 10:52	4
Di-n-butyl phthalate	ND	10	1.0	the second second			08/28/15 10:52	1
Di-n-octyl phthalate	ND	10	1.0	100			08/28/15 10:52	1
Dibenz(a,h)anthracene	ND	10	1.0					1
Dibenzofuran	ND	10	1.0					1
Diethyl phthalate	ND	10	1.0				08/28/15 10:52	4
Dimethyl phthalate	ND	10	1.0	Colored A.			08/28/15 10:52	1
Fluoranthene	ND	10	1.0	1,17				1
Fluorene	ND	10		ug/L			08/28/15 10:52	1
Hexachlorobutadiene	ND	10	1.0				08/28/15 10:52	4
Hexachlorobenzene	ND	10	1.0				08/28/15 10:52	1
Hexachlorocyclopentadiene	ND *	10	1.0					1
Hexachloroethane	ND	10	1.0	V-		08/21/15 12:20	08/28/15 10:52	- 1
Indeno[1,2,3-cd]pyrene	ND	10	1.0				08/28/15 10:52	4
Isophorone	ND	10	1.0			08/21/15 12:20	08/28/15 10:52	1
N-Nitrosodi-n-propylamine	ND ND	10				08/21/15 12:20		4
Naphthalene	ND	10		ug/L			08/28/15 10:52	
Nitrobenzene				ug/L		08/21/15 12:20	08/28/15 10:52	1
	ND	10		ug/L		08/21/15 12:20	08/28/15 10:52	3
Pentachlorophenol	ND	10		ug/L			08/28/15 10:52	1
Phenanthrene	ND	10		ug/L			08/28/15 10:52	1
Phenol	ND	10		ug/L			08/28/15 10:52	1
Pyrene	ND	10		ug/L				1
Diphenylamine	ND	10		ug/L			08/28/15 10:52	1
N-Nitrosodiphenylamine	ND	10	1.0	ug/L		08/21/15 12:20	08/28/15 10:52	1
Surrogate	%Recovery Qualifie	and the second second				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	89	37 - 120				08/21/15 12:20		7
2-Fluorobiphenyl (Surr)	70	43 - 108					08/28/15 10:52	1
2-Fluorophenol (Surr)	34	15 - 59					08/28/15 10:52	1
Nitrobenzene-d5 (Surr)	72	50 - 101				08/21/15 12:20	08/28/15 10:52	1

Client: SEMS, Inc.

Project/Site: Camp Minden Baseline Project

Client Sample ID: 2015 08 18 EQUIP BLANK Lab Sample ID: 160-13469-31

Date Collected: 08/18/15 08:00

Date Received: 08/20/15 09:15

Matrix: Water

TestAmerica Job ID: 160-13469-1

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

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5 (Surr)	23	10 - 50	08/21/15 12:20	08/28/15 10:52	1
Terphenyl-d14 (Surr)	73	21 - 97	08/21/15 12:20	08/28/15 10:52	1

Method: 8330B - Nitroaromatics and Nitramines (HPLC) Analyte RL Result Qualifier MDL Unit D Prepared Analyzed Dil Fac 1,3,5-Trinitrobenzene ND 0.20 0.057 ug/L 08/21/15 11:01 08/28/15 02:14 1,3-Dinitrobenzene ND 0.20 0.10 ug/L 08/21/15 11:01 08/28/15 02:14 1 2,4,6-Trinitrotoluene ND 0.20 0.080 ug/L 08/21/15 11:01 08/28/15 02:14 2,4-Dinitrotoluene ND 0.20 0.081 ug/L 08/21/15 11:01 08/28/15 02:14 2,6-Dinitrotoluene ND 0.20 0.13 ug/L 08/21/15 11:01 08/28/15 02:14 2-Amino-4,6-dinitrotoluene ND 0.20 0.12 ug/L 08/21/15 11:01 08/28/15 02:14 4-Amino-2.6-dinitrotoluene ND 0.20 0.12 ug/L 08/21/15 11:01 08/28/15 02:14 1 3-Nitrotoluene ND 0.20 0.12 ug/L 08/21/15 11:01 08/28/15 02:14 Nitrobenzene ND 0.20 0.082 ug/L 08/21/15 11:01 08/28/15 02:14 Nitroglycerin ND 1.0 0.54 ug/L 08/21/15 11:01 08/28/15 02:14 2-Nitrotoluene ND 0.50 0.095 ug/L 08/21/15 11:01 08/28/15 02:14 4-Nitrotoluene ND 0.50 0.14 ug/L 08/21/15 11:01 08/28/15 02:14 PETN ND 2.0 0.61 ug/L 08/21/15 11:01 08/28/15 02:14 RDX ND 0.20 0.094 ug/L 08/21/15 11:01 08/28/15 02:14 **HMX** ND 0.20 0.11 ug/L 08/21/15 11:01 08/28/15 02:14 Tetryl ND 0.20 0.059 ug/L 08/21/15 11:01 08/28/15 02:14 Surrogate Qualifier %Recovery Limits Prepared Analyzed Dil Fac

1,2-Dinitrobenzene (Surr) 100 81 - 113 08/21/15 11:01 08/28/15 02:14

Client Sample ID: 2015 08 18 P0.7 Lab Sample ID: 160-13469-32 Date Collected: 08/18/15 09:00 Date Received: 08/20/15 09:15

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		4.3	0.30	ug/Kg	**	08/28/15 15:59	08/28/15 21:21	1
1,1,1-Trichloroethane	ND		4.3	0.37	ug/Kg	*	08/28/15 15:59	08/28/15 21:21	1
1,1,2,2-Tetrachloroethane	ND		4.3	0.34	ug/Kg	**	08/28/15 15:59	08/28/15 21:21	1
1,1,2-Trichloroethane	ND		4.3	0.48	ug/Kg	*	08/28/15 15:59	08/28/15 21:21	1
1,1-Dichloroethane	ND		4.3	0.33	ug/Kg	*	08/28/15 15:59	08/28/15 21:21	1
1,1-Dichloroethene	ND		4.3	1.4	ug/Kg	*	08/28/15 15:59	08/28/15 21:21	1
1,2-Dibromo-3-Chloropropane	ND		8.5	1.2	ug/Kg	*	08/28/15 15:59	08/28/15 21:21	1
1,2-Dichloroethane	ND		4.3	0.74	ug/Kg	**	08/28/15 15:59	08/28/15 21:21	1
1,2-Dichloropropane	ND		4.3	0.32	ug/Kg	*	08/28/15 15:59	08/28/15 21:21	1
1,3-Dichloropropene, Total	ND		8.5	0.81	ug/Kg	袋	08/28/15 15:59	08/28/15 21:21	1
2-Butanone (MEK)	4.5	J	17	1.6	ug/Kg	*	08/28/15 15:59	08/28/15 21:21	1
4-Methyl-2-pentanone (MIBK)	ND		17	0.62	ug/Kg	*	08/28/15 15:59	08/28/15 21:21	1
Acetone	45		17	5.5	ug/Kg	禁	08/28/15 15:59	08/28/15 21:21	1
Benzene	ND		4.3	0.21	ug/Kg	禁	08/28/15 15:59	08/28/15 21:21	1
Bromodichloromethane	ND		4.3	0.21	ug/Kg	*	08/28/15 15:59	08/28/15 21:21	1
Bromoform	ND		4.3	0.31	ug/Kg	*	08/28/15 15:59	08/28/15 21:21	1
Bromomethane	ND		8.5	0.94	ug/Kg	尊	08/28/15 15:59	08/28/15 21:21	1
Carbon disulfide	ND		4.3	0.59	ug/Kg	尊	08/28/15 15:59	08/28/15 21:21	1
Carbon tetrachloride	ND		4.3	0.43	ug/Kg	**	08/28/15 15:59	08/28/15 21:21	1

TestAmerica St. Louis

Matrix: Solid

Percent Solids: 81.4

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

Client Sample ID: 2015 08 18 P0.7

Date Collected: 08/18/15 09:00 Date Received: 08/20/15 09:15

4-Bromofluorobenzene (Surr)

Dibromofluoromethane (Surr)

Toluene-d8 (Surr)

TestAmerica Job ID: 160-13469-1

Lab Sample ID: 160-13469-32

08/28/15 15:59 08/28/15 21:21

08/28/15 15:59 08/28/15 21:21

08/28/15 15:59 08/28/15 21:21

Matrix: Solid Percent Solids: 81.4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		4.3	0.32	ug/Kg	章	08/28/15 15:59	08/28/15 21:21	1
Chlorodibromomethane	ND		4.3	0.35	ug/Kg	10	08/28/15 15:59	08/28/15 21:21	1
Chloroethane	ND		8.5	0.44	ug/Kg	**	08/28/15 15:59	08/28/15 21:21	1
Chloroform	ND		4.3	0.32	ug/Kg	300	08/28/15 15:59	08/28/15 21:21	1
Chloromethane	ND		8.5	0.55	ug/Kg	335	08/28/15 15:59	08/28/15 21:21	1
cis-1,2-Dichloroethene	ND		4.3	0.51	ug/Kg	**	08/28/15 15:59	08/28/15 21:21	1
Ethylbenzene	ND		4.3	0.26	ug/Kg	**	08/28/15 15:59	08/28/15 21:21	1
Hexachlorobutadiene	ND		4.3	0.58	ug/Kg	3\$	08/28/15 15:59	08/28/15 21:21	1
Isobutyl alcohol	ND		170	22	ug/Kg	*	08/28/15 15:59	08/28/15 21:21	1
Methyl tert-butyl ether	ND		4.3	0.41	ug/Kg	*	08/28/15 15:59	08/28/15 21:21	1
Methylene Chloride	ND		4.3	1.3	ug/Kg	**	08/28/15 15:59	08/28/15 21:21	1
Styrene	ND		4.3	0.30	ug/Kg	33	08/28/15 15:59	08/28/15 21:21	1
Tetrachloroethene	ND		4.3	0.27	ug/Kg	335	08/28/15 15:59	08/28/15 21:21	1
Toluene	ND		4.3	0.60	ug/Kg	**	08/28/15 15:59	08/28/15 21:21	1
trans-1,2-Dichloroethene	ND		4.3	0.80	ug/Kg	30	08/28/15 15:59	08/28/15 21:21	1
Trichloroethene	ND		4.3	0.33	ug/Kg	335	08/28/15 15:59	08/28/15 21:21	1
Trichlorofluoromethane	ND		4.3	0.43	ug/Kg	⇔	08/28/15 15:59	08/28/15 21:21	1
Vinyl chloride	ND		4.3	0.37	ug/Kg	**	08/28/15 15:59	08/28/15 21:21	1
Xylenes, Total	ND		8.5	0.72	ug/Kg	**	08/28/15 15:59	08/28/15 21:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		72-127				08/28/15 15:59	08/28/15 21:21	1

63 - 150

70-126

80 - 120

98

97

101

Analyte	Result	Qualifier RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND	410	41	ug/Kg	25	08/31/15 10:17	09/02/15 18:19	1
1,2,4,5-Tetrachlorobenzene	ND	410	41	ug/Kg	*	08/31/15 10:17	09/02/15 18:19	1
1,2,4-Trichlorobenzene	ND	410	41	ug/Kg	**	08/31/15 10:17	09/02/15 18:19	1
1,2-Dichlorobenzene	ND	410	41	ug/Kg	*	08/31/15 10:17	09/02/15 18:19	1
1,3-Dichlorobenzene	ND	410	41	ug/Kg	数	08/31/15 10:17	09/02/15 18:19	1
1,3-Dinitrobenzene	ND	410	41	ug/Kg	章	08/31/15 10:17	09/02/15 18:19	1
1,4-Dichlorobenzene	ND	410	41	ug/Kg	**	08/31/15 10:17	09/02/15 18:19	1
2,3,4,6-Tetrachlorophenol	ND	2000	41	ug/Kg	**	08/31/15 10:17	09/02/15 18:19	1
2,4,5-Trichlorophenol	ND	410	41	ug/Kg	**	08/31/15 10:17	09/02/15 18:19	1
2,4,6-Trichlorophenol	ND	410	41	ug/Kg	故	08/31/15 10:17	09/02/15 18:19	1
2,4-Dichlorophenol	ND	410	41	ug/Kg	325	08/31/15 10:17	09/02/15 18:19	1
2,4-Dimethylphenol	ND	410	41	ug/Kg	故	08/31/15 10:17	09/02/15 18:19	1
2,4-Dinitrophenol	ND	2000	410	ug/Kg	**	08/31/15 10:17	09/02/15 18:19	1
2,4-Dinitrotoluene	ND	410	41	ug/Kg	**	08/31/15 10:17	09/02/15 18:19	1
2,6-Dinitrotoluene	ND	410	41	ug/Kg	**	08/31/15 10:17	09/02/15 18:19	1
2-Chloronaphthalene	ND	410	41	ug/Kg	*	08/31/15 10:17	09/02/15 18:19	1
2-Chlorophenol	ND	410	41	ug/Kg	**	08/31/15 10:17	09/02/15 18:19	1
2-Methylnaphthalene	ND	410	41	ug/Kg	*	08/31/15 10:17	09/02/15 18:19	1
2-Nitroaniline	ND	410	41	ug/Kg	改	08/31/15 10:17	09/02/15 18:19	1
3,3'-Dichlorobenzidine	ND	2000	410	ug/Kg	**	08/31/15 10:17	09/02/15 18:19	1
3-Nitroaniline	ND	410	41	ug/Kg	ø	08/31/15 10:17	09/02/15 18:19	1
4-Nitroaniline	ND	2000	410	ug/Kg	**	08/31/15 10:17	09/02/15 18:19	1

Client: SEMS, Inc

1,3-Dinitrobenzene

Project/Site: Camp Minden Baseline Project

Client Sample ID: 2015 08 18 P0.7

Date Collected: 08/18/15 09:00 Date Received: 08/20/15 09:15

Lab Sample ID: 160-13469-32

TestAmerica Job ID: 160-13469-1

Matrix: Solid

Percent Solids: 81.4

Method: 8270D - Semivola Analyte		Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	ND		2000	410	ug/Kg	*	08/31/15 10:17	09/02/15 18:19	
Acenaphthene	ND		410	41	ug/Kg	数	08/31/15 10:17	09/02/15 18:19	
Acenaphthylene	ND		410	41	ug/Kg	**	08/31/15 10:17	09/02/15 18:19	1
Aniline	ND		410	74	ug/Kg	*	08/31/15 10:17	09/02/15 18:19	1
Anthracene	ND		410	41	ug/Kg	*	08/31/15 10:17	09/02/15 18:19	1
Benzo[a]anthracene	ND		410	41	ug/Kg	**	08/31/15 10:17	09/02/15 18:19	1
Benzo[a]pyrene	ND		410	41	ug/Kg	*	08/31/15 10:17		1
Benzo[b]fluoranthene	ND		410	41	ug/Kg	尊	08/31/15 10:17	09/02/15 18:19	1
Benzo[k]fluoranthene	ND		410	41	ug/Kg	**	08/31/15 10:17		1
bis (2-chloroisopropyl) ether	ND		410	41	ug/Kg	**	08/31/15 10:17	09/02/15 18:19	1
Bis(2-chloroethyl)ether	ND		410	41	ug/Kg	*		09/02/15 18:19	1
Bis(2-ethylhexyl) phthalate	ND		410	56	ug/Kg	*		09/02/15 18:19	1
Butyl benzyl phthalate	ND		410	41	ug/Kg	**		09/02/15 18:19	1
Chrysene	ND		410	41	ug/Kg	*		09/02/15 18:19	1
Dibenz(a,h)anthracene	ND		410	41	ug/Kg	*		09/02/15 18:19	1
Dibenzofuran	ND		410	41	ug/Kg	*		09/02/15 18:19	1
Diethyl phthalate	ND		410	41	ug/Kg	. \$	4.0.535111.600.1001.20	09/02/15 18:19	1
Dimethyl phthalate	ND		410	41	ug/Kg	*		09/02/15 18:19	1
Di-n-butyl phthalate	ND		410	41	ug/Kg	*		09/02/15 18:19	1
Di-n-octyl phthalate	ND		410	41	ug/Kg	*		09/02/15 18:19	1
Diphenylamine	ND		410	41	ug/Kg	*		09/02/15 18:19	1
Fluoranthene	ND		410	41	ug/Kg	**	08/31/15 10:17		1
Fluorene	ND		410	41	ug/Kg	**		09/02/15 18:19	1
Hexachlorobenzene	ND		410	41	ug/Kg	**		09/02/15 18:19	1
Hexachlorobutadiene	ND		410	41	ug/Kg	*	08/31/15 10:17		4
Hexachlorocyclopentadiene	ND		2000	410	ug/Kg	**	08/31/15 10:17		1
Hexachloroethane	ND		410	41	ug/Kg	**	08/31/15 10:17	09/02/15 18:19	1
Indeno[1,2,3-cd]pyrene	ND		410	41	ug/Kg	**	08/31/15 10:17	09/02/15 18:19	1
Isophorone	ND		410	41	ug/Kg	*	08/31/15 10:17	09/02/15 18:19	1
Naphthalene	ND		410	41	ug/Kg	**	08/31/15 10:17	09/02/15 18:19	1
Nitrobenzene	ND		410	41	ug/Kg	*	08/31/15 10:17		1
N-Nitrosodi-n-propylamine	ND		410	41	ug/Kg	*	08/31/15 10:17		1
Pentachlorophenol	ND		810	410	ug/Kg	*	08/31/15 10:17	09/02/15 18:19	- 4
Phenanthrene	ND		410	41	ug/Kg	*	08/31/15 10:17	09/02/15 18:19	- 1
Phenol	ND		410	41	ug/Kg	*	08/31/15 10:17	09/02/15 18:19	4
Pyrene	ND		410	41	ug/Kg	**	08/31/15 10:17	09/02/15 18:19	1
N-Nitrosodiphenylamine	ND		410		ug/Kg		08/31/15 10:17		1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	83		56 - 97				08/31/15 10:17	09/02/15 18:19	1
2-Fluorophenol (Surr)	75		53 - 97				08/31/15 10:17	09/02/15 18:19	1
Nitrobenzene-d5 (Surr)	75		55 - 98					09/02/15 18:19	1
Phenol-d5 (Surr)	77		54 - 101				08/31/15 10:17		1
Terphenyl-d14 (Surr)	75		58 - 123				08/31/15 10:17		1
2,4,6-Tribromophenol (Surr)	84		46 - 111					09/02/15 18:19	1
Method: 8330B - Nitroaron	natics and Nitra	mines (HF	PLC)						
Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac
1,3,5-Trinitrobenzene	ND		250	27	ug/Kg		08/24/15 08:40	08/29/15 22:58	1

TestAmerica St. Louis

08/24/15 08:40 08/29/15 22:58

250

43 ug/Kg

ND

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

Client Sample ID: 2015 08 18 P0.7

Date Collected: 08/18/15 09:00 Date Received: 08/20/15 09:15 Lab Sample ID: 160-13469-32 Matrix: Solid

Percent Solids: 81.4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trinitrotoluene	ND		250	35	ug/Kg		08/24/15 08:40	08/29/15 22:58	1
2,4-Dinitrotoluene	ND		250	37	ug/Kg		08/24/15 08:40	08/29/15 22:58	1
2,6-Dinitrotoluene	ND		250	63	ug/Kg		08/24/15 08:40	08/29/15 22:58	- 1
2-Amino-4,6-dinitrotoluene	ND		250	43	ug/Kg		08/24/15 08:40	08/29/15 22:58	1
4-Amino-2,6-dinitrotoluene	ND		250	93	ug/Kg		08/24/15 08:40	08/29/15 22:58	1
3-Nitrotoluene	ND		250	55	ug/Kg		08/24/15 08:40	08/29/15 22:58	1
Nitrobenzene	ND		250	43	ug/Kg		08/24/15 08:40	08/29/15 22:58	9
Nitroglycerin	ND		1200	270	ug/Kg		08/24/15 08:40	08/29/15 22:58	1
2-Nitrotoluene	ND		250	65	ug/Kg		08/24/15 08:40	08/29/15 22:58	1
4-Nitrotoluene	ND		250	81	ug/Kg		08/24/15 08:40	08/29/15 22:58	1
PETN	ND		2500	340	ug/Kg		08/24/15 08:40	08/29/15 22:58	1
RDX	ND		250	62	ug/Kg		08/24/15 08:40	08/29/15 22:58	1
HMX	ND		250	39	ug/Kg		08/24/15 08:40	08/29/15 22:58	1
Tetryl	ND		250		ug/Kg		08/24/15 08:40	08/29/15 22:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dinitrobenzene (Surr)	105		79 - 120				08/24/15 08:40	08/29/15 22:58	1

Client Sample ID: 2015 08 18 Q0.4

Date Collected: 08/18/15 09:20 Date Received: 08/20/15 09:15 Lab Sample ID: 160-13469-33 Matrix: Solid

Percent Solids: 86.3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	DII Fac
1,1,1,2-Tetrachloroethane	ND		4.4	0.31	ug/Kg	*	08/28/15 15:59	08/28/15 21:46	1
1,1,1-Trichloroethane	ND		4.4	0.38	ug/Kg	*	08/28/15 15:59	08/28/15 21:46	1
1,1,2,2-Tetrachloroethane	ND		4.4	0.35	ug/Kg	**	08/28/15 15:59	08/28/15 21:46	1
1,1,2-Trichloroethane	ND		4.4	0.50	ug/Kg	*	08/28/15 15:59	08/28/15 21:46	1
1,1-Dichloroethane	ND		4.4	0.34	ug/Kg	**	08/28/15 15:59	08/28/15 21:46	1
1,1-Dichloroethene	ND		4.4	1.4	ug/Kg	*	08/28/15 15:59	08/28/15 21:46	1
1,2-Dibromo-3-Chloropropane	ND		8.8	1.3	ug/Kg	335	08/28/15 15:59	08/28/15 21:46	1
1,2-Dichloroethane	ND		4.4	0.77	ug/Kg	**	08/28/15 15:59	08/28/15 21:46	1
1,2-Dichloropropane	ND		4.4	0.34	ug/Kg	*	08/28/15 15:59	08/28/15 21:46	1
1,3-Dichloropropene, Total	ND		8.8	0.84	ug/Kg	尊	08/28/15 15:59	08/28/15 21:46	1
2-Butanone (MEK)	5.4	J	18	1.7	ug/Kg	**	08/28/15 15:59	08/28/15 21:46	1
4-Methyl-2-pentanone (MIBK)	ND		18	0.64	ug/Kg	尊	08/28/15 15:59	08/28/15 21:46	1
Acetone	51		18	5.7	ug/Kg	*	08/28/15 15:59	08/28/15 21:46	1
Benzene	ND		4.4	0.22	ug/Kg	口	08/28/15 15:59	08/28/15 21:46	1
Bromodichloromethane	ND		4.4	0.22	ug/Kg	**	08/28/15 15:59	08/28/15 21:46	1
Bromoform	ND		4.4	0.33	ug/Kg	**	08/28/15 15:59	08/28/15 21:46	1
Bromomethane	ND		8.8	0.97	ug/Kg	*	08/28/15 15:59	08/28/15 21:46	1
Carbon disulfide	ND		4.4	0.61	ug/Kg	**	08/28/15 15:59	08/28/15 21:46	1
Carbon tetrachloride	ND		4.4	0.45	ug/Kg		08/28/15 15:59	08/28/15 21:46	1
Chlorobenzene	ND		4.4	0.34	ug/Kg	**	08/28/15 15:59	08/28/15 21:46	1
Chlorodibromomethane	ND		4.4	0.36	ug/Kg	**	08/28/15 15:59	08/28/15 21:46	1
Chloroethane	ND		8.8	0.46	ug/Kg	₩	08/28/15 15:59	08/28/15 21:46	1
Chloroform	ND		4.4	0.34	ug/Kg	袋	08/28/15 15:59	08/28/15 21:46	1
Chloromethane	ND		8.8	0.57	ug/Kg	数	08/28/15 15:59	08/28/15 21:46	1
cis-1,2-Dichloroethene	ND		4.4	0.53	ug/Kg	**	08/28/15 15:59	08/28/15 21:46	1
Ethylbenzene	ND		4.4	0.27	44 TAY 15TH	⇔	08/28/15 15:59	08/28/15 21:46	1

Client: SEMS, Inc.

Project/Site: Camp Minden Baseline Project

Client Sample ID: 2015 08 18 Q0.4

Date Collected: 08/18/15 09:20 Date Received: 08/20/15 09:15

Lab Sample ID: 160-13469-33

Matrix: Solid

Percent Solids: 86.3

TestAmerica Job ID: 160-13469-1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	ND	7	4.4	0.60	ug/Kg	*	08/28/15 15:59	08/28/15 21:46	*
Isobutyl alcohol	ND		180	22	ug/Kg	**	08/28/15 15:59	08/28/15 21:46	4
Methyl tert-butyl ether	ND		4.4	0.42	ug/Kg	**	08/28/15 15:59	08/28/15 21:46	1
Methylene Chloride	ND		4.4	1.4	ug/Kg	**	08/28/15 15:59	08/28/15 21:46	4
Styrene	ND		4.4	0.31	ug/Kg	**	08/28/15 15:59	08/28/15 21:46	1
Tetrachloroethene	ND		4.4	0.28	ug/Kg	**	08/28/15 15:59	08/28/15 21:46	1
Toluene	ND		4.4	0.62	ug/Kg	尊	08/28/15 15:59	08/28/15 21:46	
trans-1,2-Dichloroethene	ND		4.4	0.83	ug/Kg	**	08/28/15 15:59	08/28/15 21:46	1
Trichloroethene	ND		4.4	0.34	ug/Kg	尊	08/28/15 15:59	08/28/15 21:46	1
Trichlorofluoromethane	ND		4.4	0.44	ug/Kg	*	08/28/15 15:59	08/28/15 21:46	1
Vinyl chloride	ND		4.4	0.38	ug/Kg	*	08/28/15 15:59	08/28/15 21:46	1
Xylenes, Total	ND		8.8	0.75	ug/Kg	***	08/28/15 15:59	08/28/15 21:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		72 - 127				08/28/15 15:59	08/28/15 21:46	1
4-Bromofluorobenzene (Surr)	111		63 - 150				08/28/15 15:59	08/28/15 21:46	1
Dibromofluoromethane (Surr)	102		70 - 126				08/28/15 15:59	08/28/15 21:46	1
Toluene-d8 (Surr)	106		80 - 120				08/28/15 15:59	08/28/15 21:46	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)	Metho	d: 8270D	- Semivolatile Or	ganic Compounds	(GC/MS)
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Method: 8270D - Semivolati Analyte	Result Qu	ualifier RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND	380	39	ug/Kg	- 17	08/31/15 10:17	09/02/15 18:53	1
1,2,4,5-Tetrachlorobenzene	ND	380	39	ug/Kg	*	08/31/15 10:17	09/02/15 18:53	1
1,2,4-Trichlorobenzene	ND	380	39	ug/Kg	**	08/31/15 10:17	09/02/15 18:53	1
1,2-Dichlorobenzene	ND	380	39	ug/Kg	*	08/31/15 10:17	09/02/15 18:53	1
1,3-Dichlorobenzene	ND	380	39	ug/Kg	335	08/31/15 10:17	09/02/15 18:53	1
1,3-Dinitrobenzene	ND	380	39	ug/Kg	*	08/31/15 10:17	09/02/15 18:53	1
1,4-Dichlorobenzene	ND	380	39	ug/Kg	100	08/31/15 10:17	09/02/15 18:53	1
2,3,4,6-Tetrachlorophenol	ND	1900	39	ug/Kg	*	08/31/15 10:17	09/02/15 18:53	1
2,4,5-Trichlorophenol	ND	380	39	ug/Kg	数	08/31/15 10:17	09/02/15 18:53	1
2,4,6-Trichlorophenol	ND	380	39	ug/Kg	**	08/31/15 10:17	09/02/15 18:53	1
2,4-Dichlorophenol	ND	380	39	ug/Kg	**	08/31/15 10:17	09/02/15 18:53	1
2,4-Dimethylphenol	ND	380	39	ug/Kg	*	08/31/15 10:17	09/02/15 18:53	1
2,4-Dinitrophenol	ND	1900	380	ug/Kg	*	08/31/15 10:17	09/02/15 18:53	1
2,4-Dinitrotoluene	ND	380	39	ug/Kg	*	08/31/15 10:17	09/02/15 18:53	1
2,6-Dinitrotoluene	ND	380	39	ug/Kg	*	08/31/15 10:17	09/02/15 18:53	1
2-Chloronaphthalene	ND	380	39	ug/Kg	*	08/31/15 10:17	09/02/15 18:53	1
2-Chlorophenol	ND	380	39	ug/Kg	*	08/31/15 10:17	09/02/15 18:53	1
2-Methylnaphthalene	ND	380	39	ug/Kg	*	08/31/15 10:17	09/02/15 18:53	1
2-Nitroaniline	ND	380	39	ug/Kg	尊	08/31/15 10:17	09/02/15 18:53	1
3,3'-Dichlorobenzidine	ND	1900	380	ug/Kg	*	08/31/15 10:17	09/02/15 18:53	1
3-Nitroaniline	ND	380	39	ug/Kg	禁	08/31/15 10:17	09/02/15 18:53	1
4-Nitroaniline	ND	1900	380	ug/Kg	**	08/31/15 10:17	09/02/15 18:53	1
4-Nitrophenol	ND	1900	380	ug/Kg	**	08/31/15 10:17	09/02/15 18:53	1
Acenaphthene	ND	380	39	ug/Kg	*	08/31/15 10:17	09/02/15 18:53	1
Acenaphthylene	ND	380	39	ug/Kg	**	08/31/15 10:17	09/02/15 18:53	1
Aniline	ND	380	69	ug/Kg	*	08/31/15 10:17	09/02/15 18:53	1
Anthracene	ND	380	39	ug/Kg	100	08/31/15 10:17	09/02/15 18:53	1
Benzo[a]anthracene	ND	380	39	ug/Kg	*	08/31/15 10:17	09/02/15 18:53	1
Benzo[a]pyrene	ND	380	39	ug/Kg	**	08/31/15 10:17	09/02/15 18:53	1

Client: SEMS, Inc.

Project/Site: Camp Minden Baseline Project

Lab Sample ID: 160-13469-33

TestAmerica Job ID: 160-13469-1

Matrix: Solid Percent Solids: 86.3

Client Sample ID: 2015 08 18 Q0.4

Date Collected: 08/18/15 09:20 Date Received: 08/20/15 09:15

Analyte	Result	Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	ND		380	39	ug/Kg	**	08/31/15 10:17	09/02/15 18:53	1
Benzo[k]fluoranthene	ND		380	39	ug/Kg	**	08/31/15 10:17	09/02/15 18:53	- 4
bis (2-chloroisopropyl) ether	ND		380	39	ug/Kg	*	08/31/15 10:17	09/02/15 18:53	1
Bis(2-chloroethyl)ether	ND		380	39	ug/Kg	**	08/31/15 10:17	09/02/15 18:53	1
Bis(2-ethylhexyl) phthalate	ND		380	52	ug/Kg	**	08/31/15 10:17	09/02/15 18:53	1
Butyl benzyl phthalate	ND		380	39	ug/Kg	**	08/31/15 10:17	09/02/15 18:53	1
Chrysene	ND		380	39	ug/Kg	**	08/31/15 10:17	09/02/15 18:53	1
Dibenz(a,h)anthracene	ND		380	39	ug/Kg	100	08/31/15 10:17	09/02/15 18:53	1
Dibenzofuran	ND		380	39	ug/Kg	*	08/31/15 10:17	09/02/15 18:53	1
Diethyl phthalate	ND		380	39	ug/Kg	335	08/31/15 10:17	09/02/15 18:53	1
Dimethyl phthalate	ND		380	39	ug/Kg	**	08/31/15 10:17	09/02/15 18:53	1
Di-n-butyl phthalate	ND		380	39	ug/Kg	*	08/31/15 10:17	09/02/15 18:53	1
Di-n-octyl phthalate	ND		380	39	ug/Kg	**	08/31/15 10:17	09/02/15 18:53	1
Diphenylamine	ND		380	39	ug/Kg	**	08/31/15 10:17	09/02/15 18:53	1
Fluoranthene	ND		380	39	ug/Kg	12	08/31/15 10:17	09/02/15 18:53	4
Fluorene	ND		380	39	ug/Kg	**	08/31/15 10:17	09/02/15 18:53	1
Hexachlorobenzene	ND		380	39	ug/Kg	*	08/31/15 10:17	09/02/15 18:53	1
Hexachlorobutadiene	ND		380	39	ug/Kg	**	08/31/15 10:17	09/02/15 18:53	1
Hexachlorocyclopentadiene	ND		1900	380	ug/Kg	100	08/31/15 10:17	09/02/15 18:53	1
Hexachloroethane	ND		380	39	ug/Kg	*	08/31/15 10:17	09/02/15 18:53	1
Indeno[1,2,3-cd]pyrene	ND		380	39	ug/Kg	305	08/31/15 10:17	09/02/15 18:53	1
Isophorone	ND		380	39	ug/Kg	**	08/31/15 10:17	09/02/15 18:53	1
Naphthalene	ND		380	39	ug/Kg	10	08/31/15 10:17	09/02/15 18:53	1
Nitrobenzene	ND		380	39	ug/Kg	**	08/31/15 10:17	09/02/15 18:53	1.
N-Nitrosodi-n-propylamine	ND		380	39	ug/Kg	*	08/31/15 10:17	09/02/15 18:53	1
Pentachlorophenol	ND		760	380	ug/Kg	**	08/31/15 10:17	09/02/15 18:53	1
Phenanthrene	ND		380	39	ug/Kg	*		09/02/15 18:53	1
Phenol	ND		380	39	ug/Kg	**	08/31/15 10:17	09/02/15 18:53	- 1
Pyrene	ND		380	39	ug/Kg	**	08/31/15 10:17	09/02/15 18:53	1
N-Nitrosodiphenylamine	ND		380	39	ug/Kg	袋	08/31/15 10:17	09/02/15 18:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	80		56 - 97				08/31/15 10:17	09/02/15 18:53	1
2-Fluorophenol (Surr)	72		53 - 97				08/31/15 10:17	09/02/15 18:53	1
Nitrobenzene-d5 (Surr)	72		55 - 98				08/31/15 10:17	09/02/15 18:53	1
Phenol-d5 (Surr)	73		54 - 101				08/31/15 10:17	09/02/15 18:53	1
Terphenyl-d14 (Surr)	73		58 - 123				08/31/15 10:17	09/02/15 18:53	1

n	Inthad.	83308	- Nitroaroma	tice and h	litraminae	(HDLC)
IV	ternoa:	B3.3UB .	 Nutroaroma 	nics and r	utramines	IMPLLI

2,4,6-Tribromophenol (Surr)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trinitrobenzene	ND		250	27	ug/Kg	_	08/24/15 08:40	08/29/15 23:21	-1
1,3-Dinitrobenzene	ND		250	43	ug/Kg		08/24/15 08:40	08/29/15 23:21	1
2,4,6-Trinitrotoluene	ND		250	36	ug/Kg		08/24/15 08:40	08/29/15 23:21	1
2,4-Dinitrotoluene	ND		250	38	ug/Kg		08/24/15 08:40	08/29/15 23:21	1
2,6-Dinitrotoluene	ND		250	64	ug/Kg		08/24/15 08:40	08/29/15 23:21	1
2-Amino-4,6-dinitrotoluene	ND		250	43	ug/Kg		08/24/15 08:40	08/29/15 23:21	1
4-Amino-2,6-dinitrotoluene	ND		250	93	ug/Kg		08/24/15 08:40	08/29/15 23:21	1
3-Nitrotoluene	ND		250	56	ug/Kg		08/24/15 08:40	08/29/15 23:21	1
Nitrobenzene	ND		250	43	ug/Kg		08/24/15 08:40	08/29/15 23:21	1

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TestAmerica St. Louis

08/31/15 10:17 09/02/15 18:53

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

Lab Sample ID: 160-13469-33

Client Sample ID: 2015 08 18 Q0.4 Date Collected: 08/18/15 09:20

Matrix: Solid

TestAmerica Job ID: 160-13469-1

Date Received: 08/20/15 09:15

Percent Solids: 86.3

Dil Fac

Analyzed

Analyte		Qualifier	.C) (Contini		Unit	D	Prepared
Nitroglycerin	ND		1200	270	ug/Kg		08/24/15 08:
2-Nitrotoluene	ND		250	65	ug/Kg		08/24/15 08:

3:40 08/29/15 23:21 3:40 08/29/15 23:21 4-Nitrotoluene ND 250 81 ug/Kg 08/24/15 08:40 08/29/15 23:21 PETN ND 2500 340 ug/Kg 08/24/15 08:40 08/29/15 23:21 RDX ND 250 62 ug/Kg 08/24/15 08:40 08/29/15 23:21 **HMX** ND 250 39 ug/Kg 08/24/15 08:40 08/29/15 23:21 Tetryl ND 250 46 ug/Kg 08/24/15 08:40 08/29/15 23:21

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1,2-Dinitrobenzene (Surr) 107 79 - 120 08/24/15 08:40 08/29/15 23:21

Date Collected: 08/18/15 09:40 Date Received: 08/20/15 09:15

Client Sample ID: 2015 08 18 P0.2

Lab Sample ID: 160-13469-34 Matrix: Solid Percent Solids: 89.8

Method: 8260C - Volatile Org Analyte	Result Qualifier	MS RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	4.5	0.31	ug/Kg	- 5	08/28/15 15:59	08/28/15 22:11	1
1,1,1-Trichloroethane	ND	4.5	0.39	ug/Kg	*	08/28/15 15:59	08/28/15 22:11	1
1,1,2,2-Tetrachloroethane	ND	4.5	0.36	ug/Kg	**	08/28/15 15:59	08/28/15 22:11	1
1,1,2-Trichloroethane	ND	4.5	0.51	ug/Kg	*	08/28/15 15:59	08/28/15 22:11	1
1,1-Dichloroethane	ND	4.5	0.35	ug/Kg	*	08/28/15 15:59	08/28/15 22:11	1
1,1-Dichloroethene	ND	4.5	1.4	ug/Kg	**	08/28/15 15:59	08/28/15 22:11	1
1,2-Dibromo-3-Chloropropane	ND	9.0	1.3	ug/Kg	**	08/28/15 15:59	08/28/15 22:11	1
1,2-Dichloroethane	ND	4.5	0.78	ug/Kg	贷	08/28/15 15:59	08/28/15 22:11	1
1,2-Dichloropropane	ND	4.5	0.34	ug/Kg	**	08/28/15 15:59	08/28/15 22:11	1
1,3-Dichloropropene, Total	ND	9.0	0.85	ug/Kg	**	08/28/15 15:59	08/28/15 22:11	1
2-Butanone (MEK)	ND	18	1.7	ug/Kg	*	08/28/15 15:59	08/28/15 22:11	1
4-Methyl-2-pentanone (MIBK)	ND	18	0.65	ug/Kg	*	08/28/15 15:59	08/28/15 22:11	1
Acetone	ND	18	5.8	ug/Kg	*	08/28/15 15:59	08/28/15 22:11	1
Benzene	ND	4.5	0.22	ug/Kg	*	08/28/15 15:59	08/28/15 22:11	1
Bromodichloromethane	ND	4.5	0.22	ug/Kg	*	08/28/15 15:59	08/28/15 22:11	1
Bromoform	ND	4.5	0.33	ug/Kg	鉄	08/28/15 15:59	08/28/15 22:11	1
Bromomethane	ND	9.0	0.99	ug/Kg	*	08/28/15 15:59	08/28/15 22:11	1
Carbon disulfide	ND	4.5	0.62	ug/Kg	*	08/28/15 15:59	08/28/15 22:11	1
Carbon tetrachloride	ND	4.5	0.46	ug/Kg	*	08/28/15 15:59	08/28/15 22:11	- 1
Chlorobenzene	ND	4.5	0.34	ug/Kg	*	08/28/15 15:59	08/28/15 22:11	1
Chlorodibromomethane	ND	4.5	0.37	ug/Kg	*	08/28/15 15:59	08/28/15 22:11	1
Chloroethane	ND	9.0	0.47	ug/Kg	**	08/28/15 15:59	08/28/15 22:11	1
Chloroform	ND	4.5	0.34	ug/Kg	*	08/28/15 15:59	08/28/15 22:11	1
Chloromethane	ND	9.0	0.58	ug/Kg	*	08/28/15 15:59	08/28/15 22:11	1
cis-1,2-Dichloroethene	ND	4.5	0.54	ug/Kg	*	08/28/15 15:59	08/28/15 22:11	1
Ethylbenzene	ND	4.5	0.27	ug/Kg	**	08/28/15 15:59	08/28/15 22:11	1
Hexachlorobutadiene	ND	4.5		ug/Kg	**	08/28/15 15:59	08/28/15 22:11	1
Isobutyl alcohol	ND	180	23	ug/Kg	**	08/28/15 15:59	08/28/15 22:11	1
Methyl tert-butyl ether	ND	4.5	0.43	ug/Kg	**	08/28/15 15:59	08/28/15 22:11	1
Methylene Chloride	ND	4.5		ug/Kg	**	08/28/15 15:59	08/28/15 22:11	1
Styrene	ND	4.5		ug/Kg	*	08/28/15 15:59	08/28/15 22:11	1
Tetrachloroethene	ND	4.5		ug/Kg	**	08/28/15 15:59	08/28/15 22:11	1
Toluene	ND	4.5		ug/Kg	**	08/28/15 15:59		1

Client: SEMS, Inc.

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

Client Sample ID: 2015 08 18 P0.2

Date Collected: 08/18/15 09:40 Date Received: 08/20/15 09:15 Lab Sample ID: 160-13469-34

Matrix: Solid Percent Solids: 89.8

Method: 8260C - Volatile O	rganic Compo	unds by GC/	MS (Contil	nued)					
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		4.5	0.84	ug/Kg	**	08/28/15 15:59	08/28/15 22:11	1
Trichloroethene	ND		4.5	0.35	ug/Kg	***	08/28/15 15:59	08/28/15 22:11	्रं त
÷ 1 (4) (4)	10.00		4 4	12.32	100000	-			

Trichlorofluoromethane ND 4.5 0.45 ug/Kg 08/28/15 15:59 08/28/15 22:11 Vinyl chloride ND 4.5 0.39 ug/Kg 08/28/15 15:59 08/28/15 22:11 Xylenes, Total ND 9.0 0.76 ug/Kg © 08/28/15 15:59 08/28/15 22:11

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		72 - 127	08/28/15 15:59	08/28/15 22:11	1
4-Bromofluorobenzene (Surr)	104		63 - 150	08/28/15 15:59	08/28/15 22:11	1
Dibromofluoromethane (Surr)	101		70 - 126	08/28/15 15:59	08/28/15 22:11	1
Toluene-d8 (Surr)	105		80 - 120	08/28/15 15:59	08/28/15 22:11	1

Analyte		Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		360	37	ug/Kg	×	08/31/15 10:17	09/02/15 19:26	1
1,2,4,5-Tetrachlorobenzene	ND		360	37	ug/Kg	D.	08/31/15 10:17	09/02/15 19:26	1
1,2,4-Trichlorobenzene	ND		360	37	ug/Kg	**	08/31/15 10:17	09/02/15 19:26	1
1,2-Dichlorobenzene	ND		360	37	ug/Kg	*	08/31/15 10:17	09/02/15 19:26	1
1,3-Dichlorobenzene	ND		360	37	ug/Kg	*	08/31/15 10:17	09/02/15 19:26	1
1,3-Dinitrobenzene	ND		360	37	ug/Kg	th	08/31/15 10:17	09/02/15 19:26	1
1,4-Dichlorobenzene	ND		360	37	ug/Kg	**	08/31/15 10:17	09/02/15 19:26	1
2,3,4,6-Tetrachlorophenol	ND		1800	37	ug/Kg	**	08/31/15 10:17	09/02/15 19:26	1
2,4,5-Trichlorophenol	ND		360	37	ug/Kg	*	08/31/15 10:17	09/02/15 19:26	1
2,4,6-Trichlorophenol	ND		360	37	ug/Kg	*	08/31/15 10:17	09/02/15 19:26	1
2,4-Dichlorophenol	ND		360	37	ug/Kg	*	08/31/15 10:17	09/02/15 19:26	1
2,4-Dimethylphenol	ND		360	37	ug/Kg	*	08/31/15 10:17	09/02/15 19:26	1
2,4-Dinitrophenol	ND		1800	360	ug/Kg	**	08/31/15 10:17	09/02/15 19:26	ો
2,4-Dinitrotoluene	ND		360	37	ug/Kg	**	08/31/15 10:17	09/02/15 19:26	1
2,6-Dinitrotoluene	ND		360	37	ug/Kg	禁	08/31/15 10:17	09/02/15 19:26	1
2-Chloronaphthalene	ND		360	37	ug/Kg	32	08/31/15 10:17	09/02/15 19:26	1
2-Chlorophenol	ND		360	37	ug/Kg	**	08/31/15 10:17	09/02/15 19:26	1
2-Methylnaphthalene	ND		360	37	ug/Kg	尊	08/31/15 10:17	09/02/15 19:26	1
2-Nitroaniline	ND		360	37	ug/Kg	尊	08/31/15 10:17	09/02/15 19:26	1
3,3'-Dichlorobenzidine	ND		1800	360	ug/Kg	尊	08/31/15 10:17	09/02/15 19:26	1
3-Nitroaniline	ND		360	37	ug/Kg	許	08/31/15 10:17	09/02/15 19:26	न
4-Nitroaniline	ND		1800	360	ug/Kg	100	08/31/15 10:17	09/02/15 19:26	1
4-Nitrophenol	ND		1800	360	ug/Kg	**	08/31/15 10:17	09/02/15 19:26	1
Acenaphthene	ND		360	37	ug/Kg	許	08/31/15 10:17	09/02/15 19:26	1
Acenaphthylene	ND		360	37	ug/Kg	袋	08/31/15 10:17	09/02/15 19:26	1
Aniline	ND		360	66	ug/Kg	*	08/31/15 10:17	09/02/15 19:26	1
Anthracene	ND		360	37	ug/Kg	禁	08/31/15 10:17	09/02/15 19:26	1
Benzo[a]anthracene	ND		360	37	ug/Kg	尊	08/31/15 10:17	09/02/15 19:26	1
Benzo[a]pyrene	ND		360	37	ug/Kg	故	08/31/15 10:17	09/02/15 19:26	1
Benzo[b]fluoranthene	ND		360	37	ug/Kg	*	08/31/15 10:17	09/02/15 19:26	1
Benzo[k]fluoranthene	ND		360	37	ug/Kg	**	08/31/15 10:17	09/02/15 19:26	1
bis (2-chloroisopropyl) ether	ND		360	37	10.74	*	08/31/15 10:17	09/02/15 19:26	4
Bis(2-chloroethyl)ether	ND		360	37	ug/Kg	*	08/31/15 10:17	09/02/15 19:26	1
Bis(2-ethylhexyl) phthalate	ND		360	50		袋	08/31/15 10:17	09/02/15 19:26	1
Butyl benzyl phthalate	ND		360	37	ug/Kg	**	08/31/15 10:17	09/02/15 19:26	1
Chrysene	ND		360	37		*	08/31/15 10:17		1

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

Client Sample ID: 2015 08 18 P0.2

Date Collected: 08/18/15 09:40 Date Received: 08/20/15 09:15 Lab Sample ID: 160-13469-34

TestAmerica Job ID: 160-13469-1

Matrix: Solid

Percent Solids: 89.8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		360	37	ug/Kg	*	08/31/15 10:17	09/02/15 19:26	1
Dibenzofuran	ND		360	37	ug/Kg	**	08/31/15 10:17	09/02/15 19:26	1
Diethyl phthalate	ND		360	37	ug/Kg	*	08/31/15 10:17	09/02/15 19:26	1
Dimethyl phthalate	ND		360	37	ug/Kg	*	08/31/15 10:17	09/02/15 19:26	1
Di-n-butyl phthalate	ND		360	37	ug/Kg	*	08/31/15 10:17	09/02/15 19:26	1
Di-n-octyl phthalate	ND		360	37	ug/Kg	*	08/31/15 10:17	09/02/15 19:26	1
Diphenylamine	ND		360	37	ug/Kg	*	08/31/15 10:17	09/02/15 19:26	1
Fluoranthene	ND		360	37	ug/Kg	**	08/31/15 10:17	09/02/15 19:26	1
Fluorene	ND		360	37	ug/Kg	*	08/31/15 10:17	09/02/15 19:26	1
Hexachlorobenzene	ND		360	37	ug/Kg	*	08/31/15 10:17	09/02/15 19:26	1
Hexachlorobutadiene	ND		360	37	ug/Kg	*	08/31/15 10:17	09/02/15 19:26	1
Hexachlorocyclopentadiene	ND		1800	360	ug/Kg	**	08/31/15 10:17	09/02/15 19:26	1
Hexachloroethane	ND		360	37	ug/Kg	*	08/31/15 10:17	09/02/15 19:26	1
Indeno[1,2,3-cd]pyrene	ND		360	37	ug/Kg	**	08/31/15 10:17	09/02/15 19:26	1
Isophorone	ND		360	37	ug/Kg	*	08/31/15 10:17	09/02/15 19:26	1
Naphthalene	ND		360	37	ug/Kg	**	08/31/15 10:17	09/02/15 19:26	1
Nitrobenzene	ND		360	37	ug/Kg	*	08/31/15 10:17	09/02/15 19:26	1
N-Nitrosodi-n-propylamine	ND		360	37	ug/Kg	数	08/31/15 10:17	09/02/15 19:26	1
Pentachlorophenol	ND		730	360	ug/Kg	尊	08/31/15 10:17	09/02/15 19:26	1
Phenanthrene	ND		360	37	ug/Kg	**	08/31/15 10:17	09/02/15 19:26	1
Phenol	ND		360	37	ug/Kg	₩	08/31/15 10:17	09/02/15 19:26	1
Pyrene	ND		360	37	ug/Kg	₩	08/31/15 10:17	09/02/15 19:26	1
N-Nitrosodiphenylamine	ND		360	37	ug/Kg	*	08/31/15 10:17	09/02/15 19:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	84		56-97				08/31/15 10:17	09/02/15 19:26	1
2-Fluorophenol (Surr)	76		53 - 97				08/31/15 10:17	09/02/15 19:26	1
Nitrobenzene-d5 (Surr)	77		55 - 98				08/31/15 10:17	09/02/15 19:26	1
Phenol-d5 (Surr)	78		54 - 101				08/31/15 10:17	09/02/15 19:26	1
Terphenyl-d14 (Surr)	76		58 - 123				08/31/15 10:17	09/02/15 19:26	1
2,4,6-Tribromophenol (Surr)	90		46-111				08/31/15 10:17	09/02/15 19:26	1

Method: 8330B - Nitroaroma Analyte		amines (HPL Qualifier	LC)	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trinitrobenzene	ND		250	27	ug/Kg		08/24/15 08:40	08/29/15 23:44	1
1,3-Dinitrobenzene	ND		250	43	ug/Kg		08/24/15 08:40	08/29/15 23:44	1
2,4,6-Trinitrotoluene	ND		250	35	ug/Kg		08/24/15 08:40	08/29/15 23:44	1
2,4-Dinitrotoluene	ND		250	37	ug/Kg		08/24/15 08:40	08/29/15 23:44	1
2,6-Dinitrotoluene	ND		250	63	ug/Kg		08/24/15 08:40	08/29/15 23:44	1
2-Amino-4,6-dinitrotoluene	ND		250	43	ug/Kg		08/24/15 08:40	08/29/15 23:44	1
4-Amino-2,6-dinitrotoluene	ND		250	93	ug/Kg		08/24/15 08:40	08/29/15 23:44	1
3-Nitrotoluene	ND		250	55	ug/Kg		08/24/15 08:40	08/29/15 23:44	1
Nitrobenzene	ND		250	43	ug/Kg		08/24/15 08:40	08/29/15 23:44	1
Nitroglycerin	ND		1200	270	ug/Kg		08/24/15 08:40	08/29/15 23:44	1
2-Nitrotoluene	ND		250	65	ug/Kg		08/24/15 08:40	08/29/15 23:44	1
4-Nitrotoluene	ND		250	81	ug/Kg		08/24/15 08:40	08/29/15 23:44	1
PETN	ND		2500	340	ug/Kg		08/24/15 08:40	08/29/15 23:44	1
RDX	ND		250	62	ug/Kg		08/24/15 08:40	08/29/15 23:44	1
HMX	ND		250	39	ug/Kg		08/24/15 08:40	08/29/15 23:44	1
Tetryl	ND		250	46	ug/Kg		08/24/15 08:40	08/29/15 23:44	1
					7				

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

Client Sample ID: 2015 08 18 P0.2

Date Collected: 08/18/15 09:40 Date Received: 08/20/15 09:15 TestAmerica Job ID: 160-13469-1

Lab Sample ID: 160-13469-34

Matrix: Solid

Percent Solids: 89.8

 Surrogate
 %Recovery
 Qualifier
 Limits
 Prepared
 Analyzed
 Dil Fac

 1,2-Dinitrobenzene (Surr)
 98
 79 - 120
 08/24/15 08:40
 08/29/15 23:44
 1

Client Sample ID: 2015 08 18 O0.2

Date Collected: 08/18/15 10:10 Date Received: 08/20/15 09:15 Lab Sample ID: 160-13469-35 Matrix: Solid

Percent Solids: 86.7

Method: 8260C - Volatile On Analyte	Result Qualifier	RL	MDL	0.0169	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	4.0	0.28	ug/Kg	- 10	08/28/15 15:59	08/28/15 22:36	
1,1,1-Trichloroethane	ND	4.0	0.35	ug/Kg	尊	08/28/15 15:59	08/28/15 22:36	1
1,1,2,2-Tetrachloroethane	ND	4.0	0.32	ug/Kg	**	08/28/15 15:59	08/28/15 22:36	1
1,1,2-Trichloroethane	ND	4.0	0.46	ug/Kg	**	08/28/15 15:59	08/28/15 22:36	1
1,1-Dichloroethane	ND	4.0	0.32	ug/Kg	**	08/28/15 15:59	08/28/15 22:36	1
1,1-Dichloroethene	ND	4.0	1.3	ug/Kg	**	08/28/15 15:59	08/28/15 22:36	1
1,2-Dibromo-3-Chloropropane	ND	8.1	1.2	ug/Kg	**	08/28/15 15:59	08/28/15 22:36	1
1,2-Dichloroethane	ND	4.0	0.70	ug/Kg	袋	08/28/15 15:59	08/28/15 22:36	. 4
1,2-Dichloropropane	ND	4.0	0.31	ug/Kg	**	08/28/15 15:59	08/28/15 22:36	1
1,3-Dichloropropene, Total	ND	8.1	0.77	ug/Kg	**	08/28/15 15:59	08/28/15 22:36	1
2-Butanone (MEK)	ND	16	1.6	ug/Kg	**	08/28/15 15:59	08/28/15 22:36	1
4-Methyl-2-pentanone (MIBK)	ND	16	0.59	ug/Kg	**	08/28/15 15:59	08/28/15 22:36	1
Acetone	ND	16	5.2	ug/Kg	*	08/28/15 15:59	08/28/15 22:36	1
Benzene	ND	4.0	0.20	ug/Kg	335	08/28/15 15:59	08/28/15 22:36	1
Bromodichloromethane	ND	4.0	0.20	ug/Kg	**	08/28/15 15:59	08/28/15 22:36	1
Bromoform	ND	4.0	0.30	ug/Kg	**	08/28/15 15:59	08/28/15 22:36	1
Bromomethane	ND	8.1	0.89	ug/Kg	**	08/28/15 15:59	08/28/15 22:36	1
Carbon disulfide	ND	4.0	0.56	ug/Kg	**	08/28/15 15:59	08/28/15 22:36	1
Carbon tetrachloride	ND	4.0	0.41	ug/Kg	*	08/28/15 15:59	08/28/15 22:36	1
Chlorobenzene	ND	4.0	0.31	ug/Kg	**	08/28/15 15:59	08/28/15 22:36	1
Chlorodibromomethane	ND	4.0	0.33		**	08/28/15 15:59	08/28/15 22:36	1
Chloroethane	ND	8.1	0.42	ug/Kg	故	08/28/15 15:59	08/28/15 22:36	1
Chloroform	ND	4.0	0.31	7.7	**	08/28/15 15:59	08/28/15 22:36	1
Chloromethane	ND	8.1	0.53		305	08/28/15 15:59	08/28/15 22:36	1
cis-1,2-Dichloroethene	ND	4.0	0.49		**	08/28/15 15:59	08/28/15 22:36	1
Ethylbenzene	ND	4.0	0.24	166703076	30	08/28/15 15:59	08/28/15 22:36	-
Hexachlorobutadiene	ND	4.0	0.55	ug/Kg	**	08/28/15 15:59	08/28/15 22:36	1
Isobutyl alcohol	ND	160		ug/Kg	**	08/28/15 15:59	08/28/15 22:36	1
Methyl tert-butyl ether	ND	4.0	0.39	ug/Kg	*	08/28/15 15:59	08/28/15 22:36	4
Methylene Chloride	ND	4.0		ug/Kg	鉄	08/28/15 15:59	08/28/15 22:36	1
Styrene	ND	4.0		ug/Kg	**	08/28/15 15:59	08/28/15 22:36	1
Tetrachloroethene	ND	4.0		ug/Kg	**	08/28/15 15:59	08/28/15 22:36	9
Toluene	ND	4.0	0.57		*	08/28/15 15:59	08/28/15 22:36	1
trans-1,2-Dichloroethene	ND	4.0		ug/Kg	*	08/28/15 15:59		
Trichloroethene	ND	4.0		ug/Kg	**	08/28/15 15:59	08/28/15 22:36	1
Trichlorofluoromethane	ND	4.0	0.40		**	08/28/15 15:59		9
Vinyl chloride	ND	4.0		ug/Kg	*	08/28/15 15:59		1
Xylenes, Total	ND	8.1		ug/Kg	**		08/28/15 22:36	1
Surrogate	%Recovery Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95	72-127				08/28/15 15:59	08/28/15 22:36	7
4-Bromofluorobenzene (Surr)	102	63 - 150				08/28/15 15:59	08/28/15 22:36	1

Client: SEMS, Inc.

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

Client Sample ID: 2015 08 18 O0.2

Date Collected: 08/18/15 10:10 Date Received: 08/20/15 09:15 Lab Sample ID: 160-13469-35

Matrix: Solid

Percent Solids: 86.7

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

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	101	70 - 126	08/28/15 15:59	08/28/15 22:36	1
Toluene-d8 (Surr)	106	80 - 120	08/28/15 15:59	08/28/15 22:36	1

Toluene-d8 (Surr)	106		80 - 120				08/28/15 15:59	08/28/15 22:36	1
Method: 8270D - Semivolatil		mpounds Qualifier	(GC/MS)	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		380	38		- 5	08/31/15 10:17	09/05/15 00:17	1
1,2,4,5-Tetrachlorobenzene	ND		380	38	4.5	**	08/31/15 10:17	09/05/15 00:17	1
1,2,4-Trichlorobenzene	ND		380	38	17.00(7)	335	08/31/15 10:17	09/05/15 00:17	1
1,2-Dichlorobenzene	ND		380	38		*	08/31/15 10:17	09/05/15 00:17	4
1,3-Dichlorobenzene	ND		380	38	7	**	08/31/15 10:17	09/05/15 00:17	1
1,3-Dinitrobenzene	ND		380	38	40.1	**	08/31/15 10:17	09/05/15 00:17	1
1,4-Dichlorobenzene	ND		380	38	ug/Kg	**	08/31/15 10:17	09/05/15 00:17	1
2,3,4,6-Tetrachlorophenol	ND		1800	38	ug/Kg	**	08/31/15 10:17	09/05/15 00:17	1
2,4,5-Trichlorophenol	ND		380	38	ug/Kg	*	08/31/15 10:17	09/05/15 00:17	1
2,4,6-Trichlorophenol	ND		380	38	ug/Kg	**	08/31/15 10:17	09/05/15 00:17	1
2,4-Dichlorophenol	ND		380	38	ug/Kg	**	08/31/15 10:17	09/05/15 00:17	1
2,4-Dimethylphenol	ND		380	38	ug/Kg	***	08/31/15 10:17	09/05/15 00:17	1
2,4-Dinitrophenol	ND		1800	380	ug/Kg	**	08/31/15 10:17	09/05/15 00:17	1
2,4-Dinitrotoluene	ND		380	38	ug/Kg	鉄	08/31/15 10:17	09/05/15 00:17	1
2,6-Dinitrotoluene	ND		380	38	ug/Kg	**	08/31/15 10:17	09/05/15 00:17	1
2-Chloronaphthalene	ND		380	38	ug/Kg	3\$	08/31/15 10:17	09/05/15 00:17	1
2-Chlorophenol	ND		380	38	ug/Kg	**	08/31/15 10:17	09/05/15 00:17	1
2-Methylnaphthalene	ND		380	38	ug/Kg	**	08/31/15 10:17	09/05/15 00:17	1
2-Nitroaniline	ND		380	38	ug/Kg	*	08/31/15 10:17	09/05/15 00:17	1
3,3'-Dichlorobenzidine	ND		1800	380	ug/Kg	100	08/31/15 10:17	09/05/15 00:17	1
3-Nitroaniline	ND		380	38	ug/Kg	**	08/31/15 10:17	09/05/15 00:17	1
4-Nitroaniline	ND		1800	380	ug/Kg	305	08/31/15 10:17	09/05/15 00:17	1
4-Nitrophenol	ND		1800	380	ug/Kg	325	08/31/15 10:17	09/05/15 00:17	1
Acenaphthene	ND		380	38	ug/Kg	9\$	08/31/15 10:17	09/05/15 00:17	1
Acenaphthylene	ND		380	38	ug/Kg	*	08/31/15 10:17	09/05/15 00:17	1
Aniline	ND		380	69	ug/Kg	100	08/31/15 10:17	09/05/15 00:17	1
Anthracene	ND		380	38	ug/Kg	*	08/31/15 10:17	09/05/15 00:17	1
Benzo[a]anthracene	ND		380	38	ug/Kg	**	08/31/15 10:17	09/05/15 00:17	1
Benzo[a]pyrene	ND		380	38	ug/Kg	335	08/31/15 10:17	09/05/15 00:17	1
Benzo[b]fluoranthene	ND		380	38	ug/Kg	**	08/31/15 10:17	09/05/15 00:17	1
Benzo[k]fluoranthene	ND		380	38	ug/Kg	鉄	08/31/15 10:17	09/05/15 00:17	1
bis (2-chloroisopropyl) ether	ND		380	38	ug/Kg	100	08/31/15 10:17	09/05/15 00:17	1
Bis(2-chloroethyl)ether	ND		380	38	ug/Kg	鉄	08/31/15 10:17	09/05/15 00:17	4
Bis(2-ethylhexyl) phthalate	ND		380	52	ug/Kg	**	08/31/15 10:17		1
Butyl benzyl phthalate	ND		380		ug/Kg	**	08/31/15 10:17	09/05/15 00:17	1
Chrysene	ND		380		ug/Kg	**	08/31/15 10:17		1
Dibenz(a,h)anthracene	ND		380		ug/Kg	**	08/31/15 10:17		1
Dibenzofuran	ND		380		ug/Kg	**	08/31/15 10:17	09/05/15 00:17	1
Diethyl phthalate	ND		380		ug/Kg	*		09/05/15 00:17	1
Dimethyl phthalate	ND		380		ug/Kg	ø		09/05/15 00:17	1
Di-n-butyl phthalate	ND		380		ug/Kg	×		09/05/15 00:17	4
Di-n-octyl phthalate	ND		380		ug/Kg	**		09/05/15 00:17	4
Diphenylamine	ND		380		ug/Kg	*		09/05/15 00:17	1
Fluoranthene	ND		380		ug/Kg	Ø	08/31/15 10:17		1
AL PROPERTY OF THE PROPERTY OF	.,			00	-39		23.411.0 10.11	55755715 55117	

Client: SEMS, Inc.

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

Client Sample ID: 2015 08 18 O0.2

Date Collected: 08/18/15 10:10 Date Received: 08/20/15 09:15 Lab Sample ID: 160-13469-35 Matrix: Solid

Percent Solids: 86.7

Analyte	atile Organic Co Result	Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac
Fluorene	ND		380	38	ug/Kg	**	08/31/15 10:17	09/05/15 00:17	
Hexachlorobenzene	ND		380	38	ug/Kg	**	08/31/15 10:17	09/05/15 00:17	4
Hexachlorobutadiene	ND		380	38	ug/Kg	故	08/31/15 10:17	09/05/15 00:17	1 14
Hexachlorocyclopentadiene	ND		1800	380	ug/Kg	335	08/31/15 10:17	09/05/15 00:17	1
Hexachloroethane	ND		380	38	ug/Kg	*	08/31/15 10:17	09/05/15 00:17	1
Indeno[1,2,3-cd]pyrene	ND		380	38	ug/Kg	**	08/31/15 10:17	09/05/15 00:17	9
Isophorone	ND		380	38	ug/Kg	*	08/31/15 10:17	09/05/15 00:17	1
Naphthalene	ND		380	38	ug/Kg	鉄	08/31/15 10:17	09/05/15 00:17	
Nitrobenzene	ND		380	38	ug/Kg	12	08/31/15 10:17	09/05/15 00:17	1 4
N-Nitrosodi-n-propylamine	ND		380	38	ug/Kg	**	08/31/15 10:17	09/05/15 00:17	
Pentachlorophenol	ND		760	380	ug/Kg	**	08/31/15 10:17	09/05/15 00:17	
Phenanthrene	ND		380	38	ug/Kg	**	08/31/15 10:17	09/05/15 00:17	
Phenol	ND		380	38	10.5	**	08/31/15 10:17	09/05/15 00:17	
Pyrene	ND		380		ug/Kg	**	08/31/15 10:17	09/05/15 00:17	1
N-Nitrosodiphenylamine	ND		380		ug/Kg	**	08/31/15 10:17		1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
2-Fluorobiphenyl (Surr)	86	- Comment	56 - 97				08/31/15 10:17	09/05/15 00:17	- 101 1
2-Fluorophenol (Surr)	74		53 - 97				08/31/15 10:17		
Nitrobenzene-d5 (Surr)	75		55 - 98				08/31/15 10:17		
Phenol-d5 (Surr)	75		54 - 101					09/05/15 00:17	
Terphenyl-d14 (Surr)	79		58 - 123					09/05/15 00:17	
2,4,6-Tribromophenol (Surr)	84		46 - 111					09/05/15 00:17	
Method: 8330B - Nitroaro			PLC)	Zauc S	time				
Method: 8330B - Nitroaroi Analyte	Result	mines (HF Qualifier	PLC)		Unit	D	Prepared	Analyzed	-
Method: 8330B - Nitroaroi Analyte 1,3,5-Trinitrobenzene	Result ND		PLC) RL 250	27	ug/Kg	D	Prepared 08/24/15 08:40	Analyzed 08/30/15 00:07	-
Method: 8330B - Nitroaroi Analyte 1,3,5-Trinitrobenzene 1,3-Dinitrobenzene	Result ND ND		PLC) RL 250 250	27 43	ug/Kg ug/Kg	D	Prepared 08/24/15 08:40 08/24/15 08:40	Analyzed 08/30/15 00:07 08/30/15 00:07	1
Method: 8330B - Nitroaroi Analyte 1,3,5-Trinitrobenzene 1,3-Dinitrobenzene 2,4,6-Trinitrotoluene	Result ND ND ND		PLC) RL 250 250 250	27 43 36	ug/Kg ug/Kg ug/Kg	D	Prepared 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40	Analyzed 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07	1
Method: 8330B - Nitroaron Analyte 1,3,5-Trinitrobenzene 1,3-Dinitrobenzene 2,4,6-Trinitrotoluene 2,4-Dinitrotoluene	Result ND ND ND ND		PLC) RL 250 250 250 250 250	27 43 36 38	ug/Kg ug/Kg ug/Kg ug/Kg	D	Prepared 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40	Analyzed 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07	-
Method: 8330B - Nitroaron Analyte 1,3,5-Trinitrobenzene 1,3-Dinitrobenzene 2,4,6-Trinitrotoluene 2,4-Dinitrotoluene 2,6-Dinitrotoluene	Result ND ND ND ND ND		PLC) RL 250 250 250 250 250 250	27 43 36 38 64	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	D	Prepared 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40	Analyzed 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07	1
Method: 8330B - Nitroaron Analyte 1,3,5-Trinitrobenzene 1,3-Dinitrobenzene 2,4,6-Trinitrotoluene 2,4-Dinitrotoluene 2,6-Dinitrotoluene 2-Amino-4,6-dinitrotoluene	Result ND ND ND ND ND ND ND		PLC) RL 250 250 250 250 250 250 250 250	27 43 36 38 64 43	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	D	Prepared 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40	Analyzed 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07	1
Method: 8330B - Nitroaron Analyte 1,3,5-Trinitrobenzene 1,3-Dinitrobenzene 2,4,6-Trinitrotoluene 2,4-Dinitrotoluene 2,6-Dinitrotoluene 2-Amino-4,6-dinitrotoluene 4-Amino-2,6-dinitrotoluene	Result ND ND ND ND ND ND ND ND		PLC) RL 250 250 250 250 250 250 250 25	27 43 36 38 64 43 93	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	D	Prepared 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40	Analyzed 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07	-
Method: 8330B - Nitroaron Analyte 1,3,5-Trinitrobenzene 1,3-Dinitrobenzene 2,4,6-Trinitrotoluene 2,4-Dinitrotoluene 2,6-Dinitrotoluene 2-Amino-4,6-dinitrotoluene 4-Amino-2,6-dinitrotoluene 3-Nitrotoluene	Result ND		PLC) RL 250 250 250 250 250 250 250 25	27 43 36 38 64 43 93 56	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	D	Prepared 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40	Analyzed 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07	-
Method: 8330B - Nitroaron Analyte 1,3,5-Trinitrobenzene 1,3-Dinitrobenzene 2,4,6-Trinitrotoluene 2,4-Dinitrotoluene 2,6-Dinitrotoluene 2-Amino-4,6-dinitrotoluene 4-Amino-2,6-dinitrotoluene 3-Nitrotoluene Nitrobenzene	Result ND		250 250 250 250 250 250 250 250 250 250	27 43 36 38 64 43 93 56 43	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	D	Prepared 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40	Analyzed 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07	-
Method: 8330B - Nitroaron Analyte 1,3,5-Trinitrobenzene 1,3-Dinitrobenzene 2,4,6-Trinitrotoluene 2,4-Dinitrotoluene 2,6-Dinitrotoluene 2-Amino-4,6-dinitrotoluene 4-Amino-2,6-dinitrotoluene Nitrotoluene Nitrobenzene Nitroglycerin	Result ND		250 250 250 250 250 250 250 250 250 250	27 43 36 38 64 43 93 56 43 270	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	<u>D</u>	Prepared 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40	Analyzed 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07	
Method: 8330B - Nitroaron Analyte 1,3,5-Trinitrobenzene 1,3-Dinitrobenzene 2,4,6-Trinitrotoluene 2,4-Dinitrotoluene 2,6-Dinitrotoluene 2-Amino-4,6-dinitrotoluene 4-Amino-2,6-dinitrotoluene Nitrotoluene Nitrobenzene Nitroglycerin 2-Nitrotoluene	Result ND		250 250 250 250 250 250 250 250 250 250	27 43 36 38 64 43 93 56 43 270 65	ug/Kg	D	Prepared 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40	Analyzed 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07	
Method: 8330B - Nitroaron Analyte 1,3,5-Trinitrobenzene 1,3-Dinitrobenzene 2,4,6-Trinitrotoluene 2,4-Dinitrotoluene 2,6-Dinitrotoluene 2-Amino-4,6-dinitrotoluene 4-Amino-2,6-dinitrotoluene Nitrobenzene Nitrobenzene Nitrotoluene 2-Nitrotoluene 4-Nitrotoluene 4-Nitrotoluene 4-Nitrotoluene	Result ND		250 250 250 250 250 250 250 250 250 250	27 43 36 38 64 43 93 56 43 270 65 81	ug/Kg	D	Prepared 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40	Analyzed 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07	
Method: 8330B - Nitroaron Analyte 1,3,5-Trinitrobenzene 1,3-Dinitrobenzene 2,4,6-Trinitrotoluene 2,4-Dinitrotoluene 2,6-Dinitrotoluene 2-Amino-4,6-dinitrotoluene 4-Amino-2,6-dinitrotoluene Nitrotoluene Nitrotoluene Nitrotoluene 2-Nitrotoluene 4-Nitrotoluene 4-Nitrotoluene 4-Nitrotoluene	Result ND		PLC) RL 250 250 250 250 250 250 250 25	27 43 36 38 64 43 93 56 43 270 65 81 340	ug/Kg	D	Prepared 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40	Analyzed 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07	
Method: 8330B - Nitroaroi Analyte 1,3,5-Trinitrobenzene 1,3-Dinitrobenzene 2,4,6-Trinitrotoluene 2,4-Dinitrotoluene 2,6-Dinitrotoluene 2-Amino-4,6-dinitrotoluene 4-Amino-2,6-dinitrotoluene Nitrotoluene Nitrotoluene Nitrotoluene	Result ND		250 250 250 250 250 250 250 250 250 250	27 43 36 38 64 43 93 56 43 270 65 81 340 62	ug/Kg	D	Prepared 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40	Analyzed 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07	
Method: 8330B - Nitroaroi Analyte 1,3,5-Trinitrobenzene 1,3-Dinitrobenzene 2,4,6-Trinitrotoluene 2,4-Dinitrotoluene 2,6-Dinitrotoluene 2-Amino-4,6-dinitrotoluene 4-Amino-2,6-dinitrotoluene Nitrotoluene Nitrotoluene Nitrotoluene	Result ND		250 250 250 250 250 250 250 250 250 250	27 43 36 38 64 43 93 56 43 270 65 81 340 62 39	ug/Kg	D	Prepared 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40	Analyzed 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07	
Method: 8330B - Nitroaroi Analyte 1,3,5-Trinitrobenzene 1,3-Dinitrobenzene 2,4,6-Trinitrotoluene 2,4-Dinitrotoluene 2,6-Dinitrotoluene 2-Amino-4,6-dinitrotoluene 4-Amino-2,6-dinitrotoluene Nitrotoluene Nitrotoluene Nitrotoluene A-Nitrotoluene PETN RDX HMX	Result ND		250 250 250 250 250 250 250 250 250 250	27 43 36 38 64 43 93 56 43 270 65 81 340 62 39	ug/Kg	D	Prepared 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40	Analyzed 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07	
Method: 8330B - Nitroaron Analyte 1,3,5-Trinitrobenzene 1,3-Dinitrobenzene 2,4,6-Trinitrotoluene 2,4-Dinitrotoluene 2,6-Dinitrotoluene 2-Amino-4,6-dinitrotoluene 4-Amino-2,6-dinitrotoluene 3-Nitrotoluene Nitrobenzene Nitrobenzene Nitrotoluene 4-Nitrotoluene	Result ND	Qualifier	250 250 250 250 250 250 250 250 250 250	27 43 36 38 64 43 93 56 43 270 65 81 340 62 39	ug/Kg	D	Prepared 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40	Analyzed 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07	
Method: 8330B - Nitroaron Analyte 1,3,5-Trinitrobenzene 1,3-Dinitrobenzene 2,4,6-Trinitrotoluene 2,4-Dinitrotoluene 2,6-Dinitrotoluene 2-Amino-4,6-dinitrotoluene 4-Amino-2,6-dinitrotoluene 3-Nitrotoluene Nitrobenzene Nitrobenzene Nitrotoluene 4-Nitrotoluene 4-Nitrotoluene 4-Nitrotoluene PETN RDX HMX Tetryl Surrogate	Result ND	Qualifier	250 250 250 250 250 250 250 250 250 250	27 43 36 38 64 43 93 56 43 270 65 81 340 62 39	ug/Kg	D	Prepared 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40	Analyzed 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07	Dil Fa
Method: 8330B - Nitroaron Analyte 1,3,5-Trinitrobenzene 1,3-Dinitrobenzene 2,4,6-Trinitrotoluene 2,4-Dinitrotoluene 2,6-Dinitrotoluene 2-Amino-4,6-dinitrotoluene 4-Amino-2,6-dinitrotoluene 3-Nitrotoluene Nitrobenzene Nitrobenzene Nitrotoluene 4-Nitrotoluene 4-Nitrotoluene 4-Nitrotoluene PETN RDX HMX Tetryl Surrogate 1,2-Dinitrobenzene (Surr) Method: 1613B - Dioxins	Result ND	Qualifier	250 250 250 250 250 250 250 250 250 250	27 43 36 38 64 43 93 56 43 270 65 81 340 62 39	ug/Kg	D	Prepared 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40	Analyzed 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07	Dil Fac
Method: 8330B - Nitroaron Analyte 1,3,5-Trinitrobenzene 1,3-Dinitrobenzene 2,4,6-Trinitrotoluene 2,4-Dinitrotoluene 2,6-Dinitrotoluene 2-Amino-4,6-dinitrotoluene 4-Amino-2,6-dinitrotoluene Nitrotoluene Nitrobenzene Nitroglycerin 2-Nitrotoluene 4-Nitrotoluene 4-Nitrotoluene PETN RDX HMX Tetryl Surrogate 1,2-Dinitrobenzene (Surr)	Result ND	Qualifier	250 250 250 250 250 250 250 250 250 250	27 43 36 38 64 43 93 56 43 270 65 81 340 62 39 46	ug/Kg	D	Prepared 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40	Analyzed 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07	Dil Fac
Method: 8330B - Nitroaron Analyte 1,3,5-Trinitrobenzene 1,3-Dinitrobenzene 2,4,6-Trinitrotoluene 2,4-Dinitrotoluene 2,6-Dinitrotoluene 2-Amino-4,6-dinitrotoluene 4-Amino-2,6-dinitrotoluene 3-Nitrotoluene Nitrobenzene Nitrobenzene Nitrotoluene 4-Nitrotoluene 4-Nitrotoluene 4-Nitrotoluene 4-Nitrotoluene 4-Nitrotoluene 5-TN RDX HMX Tetryl Surrogate 1,2-Dinitrobenzene (Surr) Method: 1613B - Dioxins a	Result ND	Qualifier Qualifier GC/HRMS Qualifier	250 250 250 250 250 250 250 250 250 250	27 43 36 38 64 43 93 56 43 270 65 81 340 62 39 46	ug/Kg		Prepared 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 08/24/15 08:40 Prepared 08/24/15 08:40	Analyzed 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07 08/30/15 00:07	Dil Fac

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

Client Sample ID: 2015 08 18 O0.2

Date Collected: 08/18/15 10:10 Date Received: 08/20/15 09:15

Method: 7471B - Mercury (CVAA)

Analyte

Mercury

TestAmerica Job ID: 160-13469-1

Lab Sample ID: 160-13469-35

Matrix: Solid Percent Solids: 86.7

Method: 1613B - Dioxins Analyte		Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2,3,7,8-PeCDD	0.81	J	5.8	0.095	pg/g	7	08/24/15 13:03	08/26/15 06:50	
1,2,3,7,8-PeCDF	ND		5.8	0.066	pg/g	数	08/24/15 13:03	08/26/15 06:50	
2,3,4,7,8-PeCDF	ND		5.8	0.073	pg/g	**	08/24/15 13:03	08/26/15 06:50	
1,2,3,4,7,8-HxCDD	0.78	J	5.8	0.076	pg/g	*	08/24/15 13:03	08/26/15 06:50	
1,2,3,6,7,8-HxCDD	2.0	J	5.8	0.074	pg/g	*	08/24/15 13:03	08/26/15 06:50	
1,2,3,7,8,9-HxCDD	2.2	J	5.8	0.065	pg/g	*	08/24/15 13:03	08/26/15 06:50	
1,2,3,4,7,8-HxCDF	0.23	J	5.8	0.047	pg/g	**	08/24/15 13:03	08/26/15 06:50	19
1,2,3,6,7,8-HxCDF	0.19	J	5.8	0.045	pg/g	*	08/24/15 13:03	08/26/15 06:50	
1,2,3,7,8,9-HxCDF	ND		5.8	0.044	pg/g	故	08/24/15 13:03	08/26/15 06:50	
2,3,4,6,7,8-HxCDF	ND		5.8	0.041	pg/g	*	08/24/15 13:03	08/26/15 06:50	
1,2,3,4,6,7,8-HpCDD	66	В	5.8	1.2	pg/g	*	08/24/15 13:03	08/26/15 06:50	
1,2,3,4,6,7,8-HpCDF	2.5	JB	5.8	0.076		*	08/24/15 13:03	08/26/15 06:50	
1,2,3,4,7,8,9-HpCDF	ND		5.8	0.10		*	08/24/15 13:03	08/26/15 06:50	4
OCDD	5600	EB	12	2.9	pg/g	*	08/24/15 13:03	08/26/15 06:50	4
OCDF	9,4	JB	12	0.059		**	08/24/15 13:03	08/26/15 06:50	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	60		25 - 164				08/24/15 13:03	08/26/15 06:50	
13C-2,3,7,8-TCDF	60		24 - 169				08/24/15 13:03	08/26/15 06:50	
13C-1,2,3,7,8-PeCDD	61		25 - 181				08/24/15 13:03	08/26/15 06:50	1
13C-1,2,3,7,8-PeCDF	61		24 - 185				08/24/15 13:03	08/26/15 06:50	1
13C-2,3,4,7,8-PeCDF	60		21 - 178				08/24/15 13:03	08/26/15 06:50	1
13C-1,2,3,4,7,8-HxCDD	63		32 - 141				08/24/15 13:03	08/26/15 06:50	1
13C-1,2,3,6,7,8-HxCDD	65		28 - 130				08/24/15 13:03	08/26/15 06:50	1
13C-1,2,3,4,7,8-HxCDF	62		26 - 152				08/24/15 13:03	08/26/15 06:50	
13C-1,2,3,6,7,8-HxCDF	65		26-123				08/24/15 13:03	08/26/15 06:50	
13C-2,3,4,6,7,8-HxCDF	66		28 - 136				08/24/15 13:03	08/26/15 06:50	9
13C-1,2,3,7,8,9-HxCDF	66		29 - 147				08/24/15 13:03	08/26/15 06:50	
13C-1,2,3,4,6,7,8-HpCDD	67		23 - 140				08/24/15 13:03	08/26/15 06:50	1
13C-1,2,3,4,6,7,8-HpCDF	65		28 - 143						1
13C-1,2,3,4,7,8,9-HpCDF	64		26 - 138				08/24/15 13:03	08/26/15 06:50	1
13C-OCDD	72		17 - 157				08/24/15 13:03	08/26/15 06:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
37Cl4-2,3,7,8-TCDD	94		35 - 197				08/24/15 13:03	08/26/15 06:50	1
Method: 6020A - Metals (I Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	17	Qualifier	2.8		mg/Kg	- *	09/03/15 11:15	09/05/15 01:35	5
Barium	1100		5.6		mg/Kg	*	09/03/15 11:15	09/05/15 01:35	5
Cadmium	4.9		0.14		mg/Kg	*		09/05/15 01:35	5
Chromium	22		2.8		mg/Kg	*			5
Lead	61		0.84		mg/Kg	*	09/03/15 11:15		5
Selenium	2.6		1.4		mg/Kg	*	09/03/15 11:15		5
Silver	0.21	1	0.56		mg/Kg	**		09/05/15 01:35	5

TestAmerica St. Louis

Analyzed

RL

0.037

MDL Unit

0.012 mg/Kg

D

Prepared

© 09/08/15 12:04 09/08/15 16:34

Result Qualifier

0.034 J

Dil Fac

Client: SEMS, Inc.

Nitrocellulose

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

Client Sample ID: 2015 08 18 00.2

Date Collected: 08/18/15 10:10 Date Received: 08/20/15 09:15

Lab Sample ID: 160-13469-35

Matrix: Solid Percent Solids: 86.7

General Chemistry RL MDL Unit Analyte Result Qualifier D Prepared Dil Fac Analyzed

5.7

0.89 mg/Kg

Client Sample ID: 2015 08 18 DUP #03

ND

Lab Sample ID: 160-13469-36

08/27/15 08:01 08/27/15 15:56

Date Collected: 08/18/15 10:10 Matrix: Solid Date Received: 08/20/15 09:15 Percent Solids: 85.0

Method: 8260C - Volatile Or Analyte	Result Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	4.0	0.28	ug/Kg	*	08/28/15 15:59	08/28/15 23:02	1
1,1,1-Trichloroethane	ND	4.0	0.35	ug/Kg	Þ	08/28/15 15:59	08/28/15 23:02	1
1,1,2,2-Tetrachloroethane	ND	4.0	0.32	ug/Kg	**	08/28/15 15:59	08/28/15 23:02	1
1,1,2-Trichloroethane	ND	4.0	0.46	ug/Kg		08/28/15 15:59	08/28/15 23:02	1
1,1-Dichloroethane	ND	4.0	0.31	ug/Kg	**	08/28/15 15:59	08/28/15 23:02	1
1,1-Dichloroethene	ND	4.0	1.3	ug/Kg	*	08/28/15 15:59	08/28/15 23:02	1
1,2-Dibromo-3-Chloropropane	ND	8.1	1.2	ug/Kg	**	08/28/15 15:59	08/28/15 23:02	1
1,2-Dichloroethane	ND	4.0	0.70	ug/Kg	*	08/28/15 15:59	08/28/15 23:02	1
1,2-Dichloropropane	ND	4.0	0.31	ug/Kg	尊	08/28/15 15:59	08/28/15 23:02	1
1,3-Dichloropropene, Total	ND	8.1	0.77	ug/Kg	**	08/28/15 15:59	08/28/15 23:02	1
2-Butanone (MEK)	ND	16	1.5	ug/Kg	**	08/28/15 15:59	08/28/15 23:02	1
4-Methyl-2-pentanone (MIBK)	ND	16	0.59	ug/Kg	**	08/28/15 15:59	08/28/15 23:02	1
Acetone	ND	16	5.2	ug/Kg	**	08/28/15 15:59	08/28/15 23:02	1
Benzene	ND	4.0	0.20	ug/Kg	*	08/28/15 15:59	08/28/15 23:02	1
Bromodichloromethane	ND	4.0	0.20	ug/Kg	⇔	08/28/15 15:59	08/28/15 23:02	1
Bromoform	ND	4.0	0.30	ug/Kg	*	08/28/15 15:59	08/28/15 23:02	1
Bromomethane	ND	8.1	0.89	ug/Kg	章	08/28/15 15:59	08/28/15 23:02	1
Carbon disulfide	ND	4.0	0.56	ug/Kg	**	08/28/15 15:59	08/28/15 23:02	1
Carbon tetrachloride	ND	4.0	0.41	ug/Kg	12	08/28/15 15:59	08/28/15 23:02	1
Chlorobenzene	ND	4.0	0.31	ug/Kg	D	08/28/15 15:59	08/28/15 23:02	1
Chlorodibromomethane	ND	4.0	0.33	ug/Kg	尊	08/28/15 15:59	08/28/15 23:02	1
Chloroethane	ND	8.1	0.42	ug/Kg	*	08/28/15 15:59	08/28/15 23:02	1
Chloroform	ND	4.0	0.31	ug/Kg	**	08/28/15 15:59	08/28/15 23:02	1
Chloromethane	ND	8.1	0.52	ug/Kg	尊	08/28/15 15:59	08/28/15 23:02	1
cis-1,2-Dichloroethene	ND	4.0	0.48	ug/Kg	尊	08/28/15 15:59	08/28/15 23:02	. 4
Ethylbenzene	ND	4.0	0.24	ug/Kg	数	08/28/15 15:59	08/28/15 23:02	1
Hexachlorobutadiene	ND	4.0	0.55	ug/Kg	袋	08/28/15 15:59	08/28/15 23:02	1
Isobutyl alcohol	ND	160	20	ug/Kg	数	08/28/15 15:59	08/28/15 23:02	1
Methyl tert-butyl ether	ND	4.0	0.39	ug/Kg	*	08/28/15 15:59	08/28/15 23:02	1
Methylene Chloride	ND	4.0	1.3	ug/Kg	**	08/28/15 15:59	08/28/15 23:02	1
Styrene	ND	4.0	0.28	ug/Kg	*	08/28/15 15:59	08/28/15 23:02	1
Tetrachloroethene	ND	4.0	0.26	ug/Kg	**	08/28/15 15:59	08/28/15 23:02	1
Toluene	ND	4.0	0.56	ug/Kg	*	08/28/15 15:59	08/28/15 23:02	1
trans-1,2-Dichloroethene	ND	4.0	0.76		435	08/28/15 15:59	08/28/15 23:02	1
Trichloroethene	ND	4.0	0.31	ug/Kg	*	08/28/15 15:59	08/28/15 23:02	1
Trichlorofluoromethane	ND	4.0	0.40		**	08/28/15 15:59	08/28/15 23:02	1
Vinyl chloride	ND	4.0		ug/Kg	*		08/28/15 23:02	1
Xylenes, Total	ND	8.1		ug/Kg	**	08/28/15 15:59	08/28/15 23:02	1
Surrogate	%Recovery Qualifier	Limits				Prepared	Analyzed	Dil Fac

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 72-127 1,2-Dichloroethane-d4 (Surr) 97 08/28/15 15:59 08/28/15 23:02 4-Bromofluorobenzene (Surr) 102 63 - 150 08/28/15 15:59 08/28/15 23:02

Client: SEMS, Inc.

Project/Site: Camp Minden Baseline Project

Lab Sample ID: 160-13469-36

TestAmerica Job ID: 160-13469-1

Matrix: Solid

Client Sample ID: 2015 08 18 DUP #03 Date Collected: 08/18/15 10:10 Date Received: 08/20/15 09:15 Percent Solids: 85.0

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

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	98	70 - 126	08/28/15 15:59	08/28/15 23:02	1
Toluene-d8 (Surr)	104	80 - 120	08/28/15 15:59	08/28/15 23:02	1

Table 10 (Sally	- 10T		00 - 720				00/20/10 10.09	00/20/15 25.02	,
Method: 8270D - Semivolatile Analyte		mpounds Qualifier	(GC/MS)	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		390	39	ug/Kg	- 🛱	08/31/15 10:17	09/05/15 00:50	1
1,2,4,5-Tetrachlorobenzene	ND		390	39	ug/Kg	**	08/31/15 10:17	09/05/15 00:50	1
1,2,4-Trichlorobenzene	ND		390	39	ug/Kg	**	08/31/15 10:17	09/05/15 00:50	1
1,2-Dichlorobenzene	ND		390	39	ug/Kg	**	08/31/15 10:17	09/05/15 00:50	1
1,3-Dichlorobenzene	ND		390	39	ug/Kg	**	08/31/15 10:17	09/05/15 00:50	1
1,3-Dinitrobenzene	ND		390	39	ug/Kg	*	08/31/15 10:17	09/05/15 00:50	1
1,4-Dichlorobenzene	ND		390	39	ug/Kg	**	08/31/15 10:17	09/05/15 00:50	1
2,3,4,6-Tetrachlorophenol	ND		1900	39	ug/Kg	*	08/31/15 10:17	09/05/15 00:50	1
2,4,5-Trichlorophenol	ND		390	39	ug/Kg	**	08/31/15 10:17	09/05/15 00:50	1
2,4,6-Trichlorophenol	ND		390	39	ug/Kg	*	08/31/15 10:17	09/05/15 00:50	1
2,4-Dichlorophenol	ND		390	39	ug/Kg	**	08/31/15 10:17	09/05/15 00:50	1
2,4-Dimethylphenol	ND		390	39	ug/Kg	**	08/31/15 10:17	09/05/15 00:50	1
2,4-Dinitrophenol	ND		1900	390	ug/Kg	**	08/31/15 10:17	09/05/15 00:50	1
2,4-Dinitrotoluene	ND		390	39	ug/Kg	*	08/31/15 10:17	09/05/15 00:50	1
2,6-Dinitrotoluene	ND		390	39	ug/Kg	**	08/31/15 10:17	09/05/15 00:50	1
2-Chloronaphthalene	ND		390	39	ug/Kg	*	08/31/15 10:17	09/05/15 00:50	1
2-Chlorophenol	ND		390	39	ug/Kg	*	08/31/15 10:17	09/05/15 00:50	1
2-Methylnaphthalene	ND		390	39	ug/Kg	*	08/31/15 10:17	09/05/15 00:50	1
2-Nitroaniline	ND		390	39	ug/Kg	*	08/31/15 10:17	09/05/15 00:50	1
3,3'-Dichlorobenzidine	ND		1900	390	ug/Kg	*	08/31/15 10:17	09/05/15 00:50	1
3-Nitroaniline	ND		390	39	ug/Kg	**	08/31/15 10:17	09/05/15 00:50	1
4-Nitroaniline	ND		1900	390	ug/Kg	*	08/31/15 10:17	09/05/15 00:50	1
4-Nitrophenol	ND		1900	390	ug/Kg	**	08/31/15 10:17	09/05/15 00:50	1
Acenaphthene	ND		390	39	ug/Kg	**	08/31/15 10:17	09/05/15 00:50	1
Acenaphthylene	ND		390	39	ug/Kg	**	08/31/15 10:17	09/05/15 00:50	1
Aniline	ND		390	70	ug/Kg	3\$	08/31/15 10:17	09/05/15 00:50	1
Anthracene	ND		390	39	ug/Kg	**	08/31/15 10:17	09/05/15 00:50	1
Benzo[a]anthracene	ND		390	39	ug/Kg	**	08/31/15 10:17	09/05/15 00:50	1
Benzo[a]pyrene	ND		390	39	ug/Kg	**	08/31/15 10:17	09/05/15 00:50	1
Benzo[b]fluoranthene	ND		390	39	ug/Kg	**	08/31/15 10:17	09/05/15 00:50	1
Benzo[k]fluoranthene	ND		390	39	ug/Kg	305	08/31/15 10:17	09/05/15 00:50	1
bis (2-chloroisopropyl) ether	ND		390	39	ug/Kg	**	08/31/15 10:17	09/05/15 00:50	1
Bis(2-chloroethyl)ether	ND		390	39	ug/Kg	**	08/31/15 10:17	09/05/15 00:50	1
Bis(2-ethylhexyl) phthalate	ND		390	53	ug/Kg	**	08/31/15 10:17	09/05/15 00:50	1
Butyl benzyl phthalate	ND		390	39	ug/Kg	**	08/31/15 10:17	09/05/15 00:50	1
Chrysene	ND		390	39	ug/Kg	*	08/31/15 10:17	09/05/15 00:50	1
Dibenz(a,h)anthracene	ND		390		ug/Kg	*	08/31/15 10:17	09/05/15 00:50	1
Dibenzofuran	ND		390		ug/Kg	*	08/31/15 10:17	09/05/15 00:50	1
Diethyl phthalate	ND		390		ug/Kg	**		09/05/15 00:50	1
Dimethyl phthalate	ND		390		ug/Kg	*	08/31/15 10:17		1
Di-n-butyl phthalate	ND		390		ug/Kg	**	08/31/15 10:17		1
Di-n-octyl phthalate	ND		390		ug/Kg		08/31/15 10:17		1
Diphenylamine	ND		390		ug/Kg		08/31/15 10:17		1
Fluoranthene	ND		390		ug/Kg		08/31/15 10:17	[대왕의 2017년 1일 전 대왕의 제 1 H	1
			555	100	0.0		Andready age of		

Client: SEMS, Inc.

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

Client Sample ID: 2015 08 18 DUP #03

Date Collected: 08/18/15 10:10 Date Received: 08/20/15 09:15 Lab Sample ID: 160-13469-36 Matrix: Solid

Percent Solids: 85.0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	ND	7	390	39	ug/Kg	*	08/31/15 10:17	09/05/15 00:50	1
Hexachlorobenzene	ND		390	39	ug/Kg	305	08/31/15 10:17	09/05/15 00:50	1
Hexachlorobutadiene	ND		390	39	ug/Kg	*	08/31/15 10:17	09/05/15 00:50	1
Hexachlorocyclopentadiene	ND		1900	390	ug/Kg	335	08/31/15 10:17	09/05/15 00:50	1
Hexachloroethane	ND		390	39	ug/Kg	*	08/31/15 10:17	09/05/15 00:50	1
Indeno[1,2,3-cd]pyrene	ND		390	39	ug/Kg	300	08/31/15 10:17	09/05/15 00:50	1
Isophorone	ND		390	39	ug/Kg	尊	08/31/15 10:17	09/05/15 00:50	1
Naphthalene	ND		390	39	ug/Kg	121	08/31/15 10:17	09/05/15 00:50	1
Nitrobenzene	ND		390	39	ug/Kg	益	08/31/15 10:17	09/05/15 00:50	1
N-Nitrosodi-n-propylamine	ND		390	39	ug/Kg	尊	08/31/15 10:17	09/05/15 00:50	1
Pentachlorophenol	ND		770	390	ug/Kg	*	08/31/15 10:17	09/05/15 00:50	1
Phenanthrene	ND		390	39	ug/Kg	Ø	08/31/15 10:17	09/05/15 00:50	1
Phenol	ND		390	39	ug/Kg	尊	08/31/15 10:17	09/05/15 00:50	1
Pyrene	ND		390	39	ug/Kg	CF.	08/31/15 10:17	09/05/15 00:50	1
N-Nitrosodiphenylamine	ND		390	39	ug/Kg	108	08/31/15 10:17	09/05/15 00:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	89		56 - 97				08/31/15 10:17	09/05/15 00:50	1
2-Fluorophenol (Surr)	76		53 - 97				08/31/15 10:17	09/05/15 00:50	1
Nitrobenzene-d5 (Surr)	80		55 - 98				08/31/15 10:17	09/05/15 00:50	1
Phenol-d5 (Surr)	78		54 - 101				08/31/15 10:17	09/05/15 00:50	1
Terphenyl-d14 (Surr)	80		58 - 123				08/31/15 10:17	09/05/15 00:50	1
2,4,6-Tribromophenol (Surr)	85		46-111				08/31/15 10:17	09/05/15 00:50	1

Method: 8330B - Nitroaro	matics and Nitro	mines /HI	OLC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trinitrobenzene	ND		250	27	ug/Kg	-	08/24/15 08:40	08/30/15 00:30	1
1,3-Dinitrobenzene	ND		250	43	ug/Kg		08/24/15 08:40	08/30/15 00:30	1
2,4,6-Trinitrotoluene	ND		250	36	ug/Kg		08/24/15 08:40	08/30/15 00:30	1
2,4-Dinitrotoluene	ND		250	38	ug/Kg		08/24/15 08:40	08/30/15 00:30	1
2,6-Dinitrotoluene	ND		250	64	ug/Kg		08/24/15 08:40	08/30/15 00:30	1
2-Amino-4,6-dinitrotoluene	ND		250	43	ug/Kg		08/24/15 08:40	08/30/15 00:30	1
4-Amino-2,6-dinitrotoluene	ND		250	93	ug/Kg		08/24/15 08:40	08/30/15 00:30	1
3-Nitrotoluene	ND		250	56	ug/Kg		08/24/15 08:40	08/30/15 00:30	1
Nitrobenzene	ND		250	43	ug/Kg		08/24/15 08:40	08/30/15 00:30	1
Nitroglycerin	ND		1200	270	ug/Kg		08/24/15 08:40	08/30/15 00:30	1
2-Nitrotoluene	ND		250	65	ug/Kg		08/24/15 08:40	08/30/15 00:30	1
4-Nitrotoluene	ND		250	81	ug/Kg		08/24/15 08:40	08/30/15 00:30	1
PETN	ND		2500	340	ug/Kg		08/24/15 08:40	08/30/15 00:30	1
RDX	ND		250	62	ug/Kg		08/24/15 08:40	08/30/15 00:30	1
HMX	ND		250	39	ug/Kg		08/24/15 08:40	08/30/15 00:30	1
Tetryl	NĎ		250	46	ug/Kg		08/24/15 08:40	08/30/15 00:30	- 1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dinitrobenzene (Surr)	107		79 - 120				08/24/15 08:40	08/30/15 00:30	1

Client: SEMS, Inc.

1,2,4-Trichlorobenzene

Project/Site: Camp Minden Baseline Project

Client Sample ID: 2015 08 18 P0.4 Lab Sample ID: 160-13469-37

Method: 8260C - Volatile O Analyte		Qualifier	RL	MDI	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		4.6		ug/Kg	- 5			Dii Fac
1,1,1-Trichloroethane	ND		4.6	0.40		*	10.00		1
1,1,2,2-Tetrachloroethane	ND		4.6		ug/Kg	*	00/20/10 10:00	08/28/15 17:57	4
1,1,2-Trichloroethane	ND		4.6		ug/Kg	*		08/28/15 17:57	4
1,1-Dichloroethane	ND		4.6		ug/Kg	**			1
1,1-Dichloroethene	ND		4.6	1.5		*			
1,2-Dibromo-3-Chloropropane	ND		9.3	1.3		*	08/28/15 15:59		4
1,2-Dichloroethane	ND		4.6		ug/Kg	*	08/28/15 15:59		4
1,2-Dichloropropane	ND		4.6		ug/Kg	**		08/28/15 17:57	1
1,3-Dichloropropene, Total	ND		9.3	0.88		*	08/28/15 15:59		1
2-Butanone (MEK)	ND		19	1.8	377.107	**		08/28/15 17:57	4
4-Methyl-2-pentanone (MIBK)	ND		19		ug/Kg	*	08/28/15 15:59		1
Acetone	ND		19		ug/Kg	*	08/28/15 15:59		4
Benzene	ND		4.6			*		08/28/15 17:57	1
Bromodichloromethane	ND		4.6		ug/Kg ug/Kg	*		08/28/15 17:57	1
Bromoform	ND		4.6		ug/Kg ug/Kg	*		08/28/15 17:57	1
Bromomethane	ND		9.3		ug/Kg	*		08/28/15 17:57	
Carbon disulfide	ND		4.6		ug/Kg	Þ		08/28/15 17:57	1
Carbon tetrachloride	ND		4.6		ug/Kg ug/Kg	*		08/28/15 17:57	1
Chlorobenzene	ND		4.6		ug/Kg ug/Kg	**			1
Chlorodibromomethane	ND		4.6			*	08/28/15 15:59		
Chloroethane	ND		9.3	0.38		*	08/28/15 15:59	08/28/15 17:57	1
Chloroform	ND		4.6		ug/Kg	*	08/28/15 15:59	08/28/15 17:57	- 2
Chloromethane	ND		9.3		ug/Kg		08/28/15 15:59		1
cis-1,2-Dichloroethene	ND			0.60		*	08/28/15 15:59		1
Ethylbenzene			4.6	0.56	ug/Kg	**	08/28/15 15:59	08/28/15 17:57	1
Euryloenzene Hexachlorobutadiene	ND		4.6	0.28	ug/Kg	**	08/28/15 15:59	08/28/15 17:57	- 12
	ND		4.6	0.63	ug/Kg	*	08/28/15 15:59	08/28/15 17:57	1
Isobutyl alcohol	ND		190	24	ug/Kg	**	08/28/15 15:59	08/28/15 17:57	1
Methyl tert-butyl ether	ND		4.6	0.45	ug/Kg	**	08/28/15 15:59	08/28/15 17:57	1
Methylene Chloride	ND		4.6	1.5	ug/Kg	**	08/28/15 15:59	08/28/15 17:57	1
Styrene	ND		4.6	0.33	1971	φ.	08/28/15 15:59	08/28/15 17:57	1
Tetrachloroethene	ND		4.6	0.30	ug/Kg	**	08/28/15 15:59	08/28/15 17:57	1
Toluene	ND		4.6		ug/Kg	**	08/28/15 15:59		1
trans-1,2-Dichloroethene	ND		4.6	0.87	ug/Kg	**	08/28/15 15:59	08/28/15 17:57	1
Trichloroethene	ND		4.6		ug/Kg	100	08/28/15 15:59		1
Trichlorofluoromethane	ND		4.6		ug/Kg	***	08/28/15 15:59		1
Vinyl chloride	ND		4.6		ug/Kg	32	08/28/15 15:59	08/28/15 17:57	1
Xylenes, Total	ND		9.3	0.79	ug/Kg	iQ.	08/28/15 15:59	08/28/15 17:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		72 - 127				08/28/15 15:59	08/28/15 17:57	1
4-Bromofluorobenzene (Surr)	100		63 - 150				08/28/15 15:59	08/28/15 17:57	1
Dibromofluoromethane (Surr)	100		70 - 126				08/28/15 15:59	08/28/15 17:57	1
Toluene-d8 (Surr)	103		80 - 120				08/28/15 15:59	08/28/15 17:57	1
Method: 8270D - Semivolati	lo Organio Co	mnounda	(GC/MS)						
Analyte		Qualifier	(GC/MS)	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		420		ug/Kg	- 8	08/31/15 10:17	09/02/15 19:59	Dii Fac
1,2,4,5-Tetrachlorobenzene	ND		420		ug/Kg	**	08/31/15 10:17		à
1.2.4. Trichlershausens	ND	E4	420	42	ug/Kg	**	00/01/15 10.17	03/02/13 19.39	1

TestAmerica St. Louis

08/31/15 10:17 09/02/15 19:59

TestAmerica Job ID: 160-13469-1

420

42 ug/Kg

ND F1

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

Client Sample ID: 2015 08 18 P0.4

Date Collected: 08/18/15 10:30 Date Received: 08/20/15 09:15 TestAmerica Job ID: 160-13469-1

Lab Sample ID: 160-13469-37

Matrix: Solid Percent Solids: 79.1

Method: 8270D - Semivolatil Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fa
1,2-Dichlorobenzene	ND		420	42	ug/Kg	*	08/31/15 10:17	09/02/15 19:59	
1,3-Dichlorobenzene	ND		420	42	ug/Kg	*	08/31/15 10:17	09/02/15 19:59	
1,3-Dinitrobenzene	ND		420	42	ug/Kg	**	08/31/15 10:17	09/02/15 19:59	
1,4-Dichlorobenzene	ND	F1	420	42	1 TO THE P. LEWIS CO., LANSING, MICH.	*	08/31/15 10:17	09/02/15 19:59	
2,3,4,6-Tetrachlorophenol	ND		2000	42	ug/Kg	*	08/31/15 10:17	09/02/15 19:59	
2,4,5-Trichlorophenol	ND		420	42		*	08/31/15 10:17	09/02/15 19:59	
2,4,6-Trichlorophenol	ND		420	42		**	08/31/15 10:17	09/02/15 19:59	
,4-Dichlorophenol	ND		420		ug/Kg	*		09/02/15 19:59	
2,4-Dimethylphenol	ND		420		ug/Kg	尊	08/31/15 10:17		
,4-Dinitrophenol	ND		2000	420	ug/Kg	**	08/31/15 10:17	09/02/15 19:59	
,4-Dinitrotoluene	ND		420	42	- III - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	*	08/31/15 10:17		
,6-Dinitrotoluene	ND		420	42		*	08/31/15 10:17		
-Chloronaphthalene	ND		420	42	The state of the s	*	08/31/15 10:17	09/02/15 19:59	
2-Chlorophenol	ND		420	42		*	08/31/15 10:17		
-Methylnaphthalene	ND		420	42		*	08/31/15 10:17		
-Nitroaniline	ND		420		ug/Kg	*	08/31/15 10:17		
,3'-Dichlorobenzidine	ND	F1	2000	420		*	08/31/15 10:17		
-Nitroaniline	ND		420		27517521	*	08/31/15 10:17		
-Nitroaniline	ND		2000	420	ug/Kg ug/Kg	**	08/31/15 10:17		
-Nitrophenol	ND		2000	420		*			
cenaphthene	ND		420	420	ug/Kg	*	08/31/15 10:17		
	ND				ug/Kg		08/31/15 10:17		
cenaphthylene niline	ND		420	42		**		09/02/15 19:59	
nthracene			420		ug/Kg	*X*		09/02/15 19:59	
	ND		420	42	ug/Kg	**		09/02/15 19:59	
enzo[a]anthracene	ND		420	42	ug/Kg	*		09/02/15 19:59	
enzo[a]pyrene	ND		420	42		D.		09/02/15 19:59	
enzo[b]fluoranthene	ND		420	42	ug/Kg	**		09/02/15 19:59	
enzo[k]fluoranthene	ND		420	42		*		09/02/15 19:59	
is (2-chloroisopropyl) ether	ND		420	42		**	08/31/15 10:17		
is(2-chloroethyl)ether	ND		420	42		**	08/31/15 10:17		
lis(2-ethylhexyl) phthalate	ND		420	57	ug/Kg	305		09/02/15 19:59	
lutyl benzyl phthalate	ND		420		ug/Kg	***		09/02/15 19:59	
Chrysene	ND		420	La constitution of the con	ug/Kg	**		09/02/15 19:59	
ibenz(a,h)anthracene	ND		420	42	0.0	*	08/31/15 10:17		
Dibenzofuran	ND		420		ug/Kg	**	08/31/15 10:17	09/02/15 19:59	
Diethyl phthalate	ND		420	42	ug/Kg	**	08/31/15 10:17	09/02/15 19:59	
Dimethyl phthalate	ND		420	42	ug/Kg	**	08/31/15 10:17	09/02/15 19:59	
Di-n-butyl phthalate	ND		420	42	ug/Kg	**	08/31/15 10:17	09/02/15 19:59	
Di-n-octyl phthalate	ND		420	42	ug/Kg	**	08/31/15 10:17	09/02/15 19:59	
Diphenylamine	ND		420	42	ug/Kg	**	08/31/15 10:17	09/02/15 19:59	
luoranthene	ND		420	42	ug/Kg	305	08/31/15 10:17	09/02/15 19:59	
luorene	ND		420	42	ug/Kg	**	08/31/15 10:17	09/02/15 19:59	
lexachlorobenzene	ND		420	42	ug/Kg	**	08/31/15 10:17	09/02/15 19:59	
lexachlorobutadiene	ND	F1	420	42	ug/Kg	43		09/02/15 19:59	
lexachlorocyclopentadiene	ND		2000		ug/Kg	鉄		09/02/15 19:59	
lexachloroethane	ND		420		ug/Kg	*		09/02/15 19:59	
ndeno[1,2,3-cd]pyrene	ND		420		ug/Kg	**		09/02/15 19:59	
sophorone	ND		420		ug/Kg	*		09/02/15 19:59	
Naphthalene	ND		420		ug/Kg	**		09/02/15 19:59	

Client: SEMS, Inc.

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

Client Sample ID: 2015 08 18 P0.4

Date Collected: 08/18/15 10:30 Date Received: 08/20/15 09:15 Lab Sample ID: 160-13469-37

Matrix: Solid

Percent Solids: 79.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (C	Continued)
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Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	ND	-	420	42	ug/Kg	**	08/31/15 10:17	09/02/15 19:59	1
N-Nitrosodi-n-propylamine	ND		420	42	ug/Kg	**	08/31/15 10:17	09/02/15 19:59	1
Pentachlorophenol	ND		830	420	ug/Kg	305	08/31/15 10:17	09/02/15 19:59	1
Phenanthrene	ND		420	42	ug/Kg	**	08/31/15 10:17	09/02/15 19:59	1
Phenol	ND		420	42	ug/Kg	335	08/31/15 10:17	09/02/15 19:59	1
Pyrene	ND		420	42	ug/Kg	*	08/31/15 10:17	09/02/15 19:59	1
N-Nitrosodiphenylamine	ND		420	42	ug/Kg	尊	08/31/15 10:17	09/02/15 19:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
0.51							74 774 1 1 1 1 1 1 1 1 1 1	7277777777777	

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	82		56 - 97	08/31/15 10:17	09/02/15 19:59	1
2-Fluorophenol (Surr)	74		53 - 97	08/31/15 10:17	09/02/15 19:59	1
Nitrobenzene-d5 (Surr)	74		55 - 98	08/31/15 10:17	09/02/15 19:59	1
Phenol-d5 (Surr)	75		54 - 101	08/31/15 10:17	09/02/15 19:59	1
Terphenyl-d14 (Surr)	74		58 - 123	08/31/15 10:17	09/02/15 19:59	1
2,4,6-Tribromophenol (Surr)	88		46 - 111	08/31/15 10:17	09/02/15 19:59	1

Method: 8330B - Nitroaro Analyte		amines (HI Qualifier	PLC)	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trinitrobenzene	ND	77.500.51	240	27	ug/Kg	- 7	08/24/15 08:40		1
1,3-Dinitrobenzene	ND		240	42			08/24/15 08:40	트립리아 (이사) 교육원하다.	1
2,4,6-Trinitrotoluene	ND		240	35	ug/Kg		08/24/15 08:40	08/30/15 00:53	1
2,4-Dinitrotoluene	ND		240	37	ug/Kg		08/24/15 08:40	08/30/15 00:53	1
2,6-Dinitrotoluene	ND		240	62	ug/Kg		08/24/15 08:40	08/30/15 00:53	1
2-Amino-4,6-dinitrotoluene	ND		240	42	ug/Kg		08/24/15 08:40	08/30/15 00:53	1
4-Amino-2,6-dinitrotoluene	ND		240	91	ug/Kg		08/24/15 08:40	08/30/15 00:53	1
3-Nitrotoluene	ND		240	54	ug/Kg		08/24/15 08:40	08/30/15 00:53	1
Nitrobenzene	ND		240	42	ug/Kg		08/24/15 08:40	08/30/15 00:53	1
Nitroglycerin	ND		1200	260	ug/Kg		08/24/15 08:40	08/30/15 00:53	1
2-Nitrotoluene	ND		240		ug/Kg		08/24/15 08:40	08/30/15 00:53	1
4-Nitrotoluene	ND		240	79	ug/Kg		08/24/15 08:40	08/30/15 00:53	1
PETN	ND		2400	340	ug/Kg		08/24/15 08:40	08/30/15 00:53	1
RDX	ND		240	61	ug/Kg		08/24/15 08:40	08/30/15 00:53	1
HMX	ND		240	38	ug/Kg		08/24/15 08:40	08/30/15 00:53	1
Tetryl	ND	F2 F1	240	45	ug/Kg		08/24/15 08:40	08/30/15 00:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dinitrobenzene (Surr)	106		79 - 120				08/24/15 08:40	08/30/15 00:53	1

Client Sample ID: 2015 08 18 H2

Date Collected: 08/18/15 13:00 Date Received: 08/20/15 09:15

Lab Sample ID: 160-13469-38

Matrix: Solid

Percent Solids: 90.2

Method:	8260C -	Volatile	Organic	Compo	unds by	GC/MS
A land a facility			-	m	A	

Analyte	THE PERSON NAMED IN	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	_	4.6	0.32	ug/Kg	**	08/28/15 15:59	08/28/15 23:27	1
1,1,1-Trichloroethane	ND		4.6	0.39	ug/Kg	*	08/28/15 15:59	08/28/15 23:27	1
1,1,2,2-Tetrachloroethane	ND		4.6	0.36	ug/Kg	**	08/28/15 15:59	08/28/15 23:27	1
1,1,2-Trichloroethane	ND		4.6	0.52	ug/Kg	**	08/28/15 15:59	08/28/15 23:27	1
1,1-Dichloroethane	ND		4.6	0.36	ug/Kg	**	08/28/15 15:59	08/28/15 23:27	1
1,1-Dichloroethene	ND		4.6	1.5	ug/Kg	*	08/28/15 15:59	08/28/15 23:27	1

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

Lab Sample ID: 160-13469-38

TestAmerica Job ID: 160-13469-1

Matrix: Solid Percent Solids: 90.2

Client Sample ID: 2015 08 18 H2 Date Collected: 08/18/15 13:00

Date Received: 08/20/15 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		9.1	1.3	ug/Kg	***	08/28/15 15:59	08/28/15 23:27	1
1,2-Dichloroethane	ND		4.6	0.79	ug/Kg	***	08/28/15 15:59	08/28/15 23:27	1
1,2-Dichloropropane	ND		4.6	0.35	ug/Kg	兹	08/28/15 15:59	08/28/15 23:27	1
1,3-Dichloropropene, Total	ND		9.1	0.87	ug/Kg	325	08/28/15 15:59	08/28/15 23:27	1
2-Butanone (MEK)	ND		18	1.7	ug/Kg	**	08/28/15 15:59	08/28/15 23:27	1
4-Methyl-2-pentanone (MIBK)	ND		18	0.67	ug/Kg	***	08/28/15 15:59	08/28/15 23:27	1
Acetone	ND		18	5.9	ug/Kg	**	08/28/15 15:59	08/28/15 23:27	1
Benzene	ND		4.6	0.23	ug/Kg	**	08/28/15 15:59	08/28/15 23:27	1
Bromodichloromethane	ND		4.6	0.23	ug/Kg	尊	08/28/15 15:59	08/28/15 23:27	1
Bromoform	ND		4.6	0.34	ug/Kg	**	08/28/15 15:59	08/28/15 23:27	1
Bromomethane	ND		9.1	1.0	ug/Kg	**	08/28/15 15:59	08/28/15 23:27	1
Carbon disulfide	ND		4.6	0.63	ug/Kg	**	08/28/15 15:59	08/28/15 23:27	1
Carbon tetrachloride	ND		4.6	0.46	ug/Kg	*	08/28/15 15:59	08/28/15 23:27	1
Chlorobenzene	ND		4.6	0.35	ug/Kg	*	08/28/15 15:59	08/28/15 23:27	1
Chlorodibromomethane	ND		4.6	0.37	ug/Kg	**	08/28/15 15:59	08/28/15 23:27	1
Chloroethane	ND		9.1	0.47	ug/Kg	*	08/28/15 15:59	08/28/15 23:27	1
Chloroform	ND		4.6	0.35	ug/Kg	**	08/28/15 15:59	08/28/15 23:27	1
Chloromethane	ND		9.1	0.59	ug/Kg	**	08/28/15 15:59	08/28/15 23:27	1
cis-1,2-Dichloroethene	ND		4.6	0.55	ug/Kg	*	08/28/15 15:59	08/28/15 23:27	1
Ethylbenzene	ND		4.6	0.27	ug/Kg	尊	08/28/15 15:59	08/28/15 23:27	1
Hexachlorobutadiene	ND		4.6	0.62	ug/Kg	*	08/28/15 15:59	08/28/15 23:27	1
Isobutyl alcohol	ND		180	23	ug/Kg	**	08/28/15 15:59	08/28/15 23:27	1
Methyl tert-butyl ether	ND		4.6	0.44	ug/Kg		08/28/15 15:59	08/28/15 23:27	1
Methylene Chloride	ND		4.6	1.4	ug/Kg	**	08/28/15 15:59	08/28/15 23:27	1
Styrene	ND		4.6	0.32	ug/Kg	**	08/28/15 15:59	08/28/15 23:27	1
Tetrachloroethene	ND		4.6	0.29		*	08/28/15 15:59	08/28/15 23:27	4
Toluene	ND		4.6	0.64	ug/Kg	*	08/28/15 15:59	08/28/15 23:27	1
trans-1,2-Dichloroethene	ND		4.6	0.86	ug/Kg	*	08/28/15 15:59	08/28/15 23:27	1
Trichloroethene	ND		4.6	0.36	ug/Kg	**	08/28/15 15:59	08/28/15 23:27	1
Trichlorofluoromethane	ND		4.6		ug/Kg	*	08/28/15 15:59	08/28/15 23:27	1
Vinyl chloride	ND		4.6	0.39	ug/Kg	**	08/28/15 15:59	08/28/15 23:27	1
Xylenes, Total	ND		9.1		ug/Kg	益	08/28/15 15:59	08/28/15 23:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96	-	72 - 127				08/28/15 15:59	08/28/15 23:27	1
A Dromoflygrahanzana (Curr)	0.7		60 450				00/00/45 45.50	00/00/45 00:07	6

Surrogate	%Recovery Q	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		72 - 127	08/28/15 15:59	08/28/15 23:27	1
4-Bromofluorobenzene (Surr)	97		63 - 150	08/28/15 15:59	08/28/15 23:27	1
Dibromofluoromethane (Surr)	96		70 - 126	08/28/15 15:59	08/28/15 23:27	1
Toluene-d8 (Surr)	98		80 - 120	08/28/15 15:59	08/28/15 23:27	1

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

1,1'-Biphenyl	ND	12020				Prepared	Analyzed	Dil Fac
		370	37	ug/Kg	*	08/31/15 13:01	09/04/15 15:00	1
1,2,4,5-Tetrachlorobenzene	ND	370	37	ug/Kg	**	08/31/15 13:01	09/04/15 15:00	1
1,2,4-Trichlorobenzene	ND	370	37	ug/Kg	**	08/31/15 13:01	09/04/15 15:00	1
1,2-Dichlorobenzene	ND	370	37	ug/Kg	*	08/31/15 13:01	09/04/15 15:00	1
1,3-Dichlorobenzene	ND	370	37	ug/Kg	33	08/31/15 13:01	09/04/15 15:00	1
1,3-Dinitrobenzene	ND	370	37	ug/Kg	**	08/31/15 13:01	09/04/15 15:00	1
1,4-Dichlorobenzene	ND	370	37	ug/Kg	*	08/31/15 13:01	09/04/15 15:00	1
2,3,4,6-Tetrachlorophenol	ND	1800	37	ug/Kg	数	08/31/15 13:01	09/04/15 15:00	1
2,4,5-Trichlorophenol	ND	370	37	ug/Kg	***	08/31/15 13:01	09/04/15 15:00	1

Client: SEMS, Inc.

Project/Site: Camp Minden Baseline Project

Client Sample ID: 2015 08 18 H2 Lab Sample ID: 160-13469-38

Date Collected: 08/18/15 13:00 Matrix: Solid Date Received: 08/20/15 09:15 Percent Solids: 90.2

Method: 8270D - Semivolat Analyte		Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	ND		370	37	market and a second	<u> </u>	08/31/15 13:01	09/04/15 15:00	
2,4-Dichlorophenol	ND		370	37	ug/Kg	*	08/31/15 13:01	09/04/15 15:00	
2,4-Dimethylphenol	ND		370	37		⇔	08/31/15 13:01		
2,4-Dinitrophenol	ND	*	1800	370		**	08/31/15 13:01		
2,4-Dinitrotoluene	ND		370	37	ug/Kg	**	08/31/15 13:01		
2,6-Dinitrotoluene	ND		370	37	ug/Kg	*	08/31/15 13:01		
2-Chloronaphthalene	ND		370	37	ug/Kg	**	08/31/15 13:01		
2-Chlorophenol	ND		370	37	ug/Kg	**	08/31/15 13:01		
2-Methylnaphthalene	ND		370	37	ug/Kg	335	08/31/15 13:01		
2-Nitroaniline	ND		370	37	ug/Kg	*	08/31/15 13:01	09/04/15 15:00	
3,3'-Dichlorobenzidine	ND		1800	370	ug/Kg	₩		09/04/15 15:00	
3-Nitroaniline	ND		370	37	ug/Kg	**	08/31/15 13:01		
4-Nitroaniline	ND		1800	370	ug/Kg	**	08/31/15 13:01		
4-Nitrophenol	ND		1800	370	ug/Kg	*	08/31/15 13:01	09/04/15 15:00	
Acenaphthene	ND		370	37	ug/Kg	10	08/31/15 13:01		
Acenaphthylene	ND		370	37	ug/Kg	*	08/31/15 13:01	09/04/15 15:00	
Aniline	ND		370	66	ug/Kg	**	08/31/15 13:01	09/04/15 15:00	
Anthracene	ND		370	37		*	08/31/15 13:01	09/04/15 15:00	
Benzo[a]anthracene	ND		370	37	ug/Kg	100	08/31/15 13:01	09/04/15 15:00	
Benzo[a]pyrene	ND		370	37	ug/Kg	*	08/31/15 13:01	09/04/15 15:00	4
Benzo[b]fluoranthene	ND		370	37	ug/Kg	**	08/31/15 13:01	09/04/15 15:00	
Benzo[k]fluoranthene	ND		370	37		*	08/31/15 13:01	09/04/15 15:00	
ois (2-chloroisopropyl) ether	ND		370	37	ug/Kg ug/Kg	*	08/31/15 13:01	09/04/15 15:00	
Bis(2-chloroethyl)ether	ND		370	37	ug/Kg	*	08/31/15 13:01	09/04/15 15:00	
Bis(2-ethylhexyl) phthalate	ND		370	50	1000	*	08/31/15 13:01	09/04/15 15:00	
Butyl benzyl phthalate	ND		370	37	ug/Kg ug/Kg	*	조심에 아내다 내려가 되었다.		
Chrysene	ND		370			**	08/31/15 13:01	09/04/15 15:00	
Dibenz(a,h)anthracene	ND		370	37 37	ug/Kg ug/Kg	*	08/31/15 13:01	09/04/15 15:00	
Dibenzofuran	ND		370	37	0.000	*	08/31/15 13:01	09/04/15 15:00	
Diethyl phthalate	ND		370	37	ug/Kg	*	08/31/15 13:01	09/04/15 15:00	
Dimethyl phthalate	ND		370	37	ug/Kg	*	08/31/15 13:01	09/04/15 15:00	1 2
7. THE RESERVE WAS A SHOP OF THE PARTY OF TH	ND				ug/Kg	A.	08/31/15 13:01	09/04/15 15:00	1
Di-n-butyl phthalate			370	37	ug/Kg	*	08/31/15 13:01	09/04/15 15:00	1
Di-n-octyl phthalate	ND		370	37	ug/Kg	*	08/31/15 13:01	09/04/15 15:00	3
Diphenylamine	ND		370	37	ug/Kg	**	08/31/15 13:01	09/04/15 15:00	1
luoranthene	ND		370		ug/Kg	**	08/31/15 13:01	09/04/15 15:00	1
luorene	ND		370	37	ug/Kg	**	08/31/15 13:01	09/04/15 15:00	1
lexachlorobenzene	ND	2	370		ug/Kg	**	08/31/15 13:01	09/04/15 15:00	1
lexachlorobutadiene	ND	-	370		ug/Kg	***	08/31/15 13:01	09/04/15 15:00	1
lexachlorocyclopentadiene	ND		1800		ug/Kg	**	08/31/15 13:01	09/04/15 15:00	. 1
lexachloroethane	ND		370		ug/Kg	***		09/04/15 15:00	1
ndeno[1,2,3-cd]pyrene	ND		370	37	ug/Kg	***	08/31/15 13:01	09/04/15 15:00	- 1
sophorone	ND		370		ug/Kg	D	08/31/15 13:01	09/04/15 15:00	1
laphthalene	ND		370	37	ug/Kg	325	08/31/15 13:01	09/04/15 15:00	1
litrobenzene	ND		370		ug/Kg	*	08/31/15 13:01	09/04/15 15:00	1
I-Nitrosodi-n-propylamine	ND		370		ug/Kg	*	08/31/15 13:01	09/04/15 15:00	1
Pentachlorophenol	ND		730		ug/Kg	*	08/31/15 13:01	09/04/15 15:00	1
Phenanthrene	ND		370	37	ug/Kg	*	08/31/15 13:01	09/04/15 15:00	1
Phenol	ND		370	37	ug/Kg	*	08/31/15 13:01	09/04/15 15:00	1
Pyrene	ND		370	37	ug/Kg	***	08/31/15 13:01	09/04/15 15:00	1

TestAmerica St. Louis

TestAmerica Job ID: 160-13469-1

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

Client Sample ID: 2015 08 18 H2

Date Collected: 08/18/15 13:00

OCDD

Lab Sample ID: 160-13469-38

TestAmerica Job ID: 160-13469-1

Matrix: Solid

Date Received: 08/20/15 09:	:15							Percent Solid	s: 90.2
Method: 8270D - Semivola Analyte		mpounds Qualifier	(GC/MS) (Co) Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		370	37	ug/Kg	**	08/31/15 13:01	09/04/15 15:00	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
2-Fluorobiphenyl (Surr)	88	Qualifier	56 - 97				08/31/15 13:01	09/04/15 15:00	Dii ra
2-Fluorophenol (Surr)	77		53 - 97				08/31/15 13:01	09/04/15 15:00	
Nitrobenzene-d5 (Surr)	80		55 - 98				08/31/15 13:01	09/04/15 15:00	
Phenol-d5 (Surr)	78		54 - 101				08/31/15 13:01		
Terphenyl-d14 (Surr)	81		58 - 123				08/31/15 13:01	09/04/15 15:00	
2,4,6-Tribromophenol (Surr)	86		46 - 111				08/31/15 13:01		
Mathadi 9220D Nituana	and an and Miss.		N (C)						
Method: 8330B - Nitroaron Analyte		Qualifier	RL	MDL	Unite	D	Deserved	Austral	Dil Fa
1,3,5-Trinitrobenzene	ND	Qualifier	The second secon			_ = =	Prepared	Analyzed	Dii Fac
			220	25			08/24/15 08:40		
1,3-Dinitrobenzene	ND		220	39			08/24/15 08:40	08/30/15 02:25	
2,4,6-Trinitrotoluene	ND		220	32			08/24/15 08:40		
2,4-Dinitrotoluene	ND		220		ug/Kg		08/24/15 08:40	08/30/15 02:25	
2,6-Dinitrotoluene	ND		220		ug/Kg		08/24/15 08:40		
2-Amino-4,6-dinitrotoluene	ND		220	38			08/24/15 08:40		
4-Amino-2,6-dinitrotoluene	ND		220		ug/Kg		08/24/15 08:40		
3-Nitrotoluene	ND		220	50			08/24/15 08:40		
Nitrobenzene	ND		220	39			08/24/15 08:40		
Nitroglycerin	ND		1100		ug/Kg		08/24/15 08:40		
2-Nitrotoluene	ND		220	58			08/24/15 08:40		
4-Nitrotoluene	ND		220	73	ug/Kg		08/24/15 08:40	08/30/15 02:25	
PETN	ND		2200	310	ug/Kg		08/24/15 08:40	08/30/15 02:25	
RDX	ND		220	56	ug/Kg		08/24/15 08:40	08/30/15 02:25	14
HMX	ND		220	35	ug/Kg		08/24/15 08:40	08/30/15 02:25	
Tetryl	ND		220	41	ug/Kg		08/24/15 08:40	08/30/15 02:25	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1,2-Dinitrobenzene (Surr)	107		79 - 120				08/24/15 08:40	08/30/15 02:25	
Method: 1613B - Dioxins a	and Furans (HR	GC/HRMS)						
Analyte		Qualifier	RL	EDL		D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND		1,1	0.034	pg/g	**	08/24/15 13:03	08/26/15 12:01	-
2,3,7,8-TCDF	ND		1.1	0.029	pg/g	*	08/24/15 13:03	08/26/15 12:01	4
1,2,3,7,8-PeCDD	ND		5.5	0.059	pg/g	**	08/24/15 13:03	08/26/15 12:01	
1,2,3,7,8-PeCDF	ND		5.5	0.041	pg/g	32	08/24/15 13:03	08/26/15 12:01	
2,3,4,7,8-PeCDF	ND		5.5	0.048	pg/g	*	08/24/15 13:03	08/26/15 12:01	
1,2,3,4,7,8-HxCDD	0.081	J	5.5	0.044	pg/g	**	08/24/15 13:03	08/26/15 12:01	
1,2,3,6,7,8-HxCDD	0.13	J	5.5	0.042	pg/g	*	08/24/15 13:03	08/26/15 12:01	
1,2,3,7,8,9-HxCDD	0.22	Jq	5.5	0.037		尊	08/24/15 13:03	08/26/15 12:01	
1,2,3,4,7,8-HxCDF	0.072	A COLUMN TO THE PARTY OF THE PA	5.5	0.029		*	08/24/15 13:03		
1,2,3,6,7,8-HxCDF	0.061		5.5	0.028		**	08/24/15 13:03		1
1,2,3,7,8,9-HxCDF	0.049		5.5	0.027		*	08/24/15 13:03		16
2,3,4,6,7,8-HxCDF	0.074		5.5	0.026	(T)	*	08/24/15 13:03		
1,2,3,4,6,7,8-HpCDD	The second secon	JB	5.5		pg/g	**	08/24/15 13:03		
1,2,3,4,6,7,8-HpCDF		JB	5.5	0.044		**		08/26/15 12:01	
1,2,3,4,7,8,9-HpCDF	ND	3.5	5.5	0.064		**		08/26/15 12:01	
SESSION OF SESSION	100	9.		5.501	Lag	a.		35.53115 16.01	

TestAmerica St. Louis

\$\times 08/24/15 13:03 08/26/15 12:01

11

210 B

0.17 pg/g

Client: SEMS, Inc.

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

Client Sample ID: 2015 08 18 H2 Lab Sample ID: 160-13469-38

Date Collected: 08/18/15 13:00 Matrix: Solid Date Received: 08/20/15 09:15 Percent Solids: 90.2

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
OCDF	0.57	JB	11	0.045	pg/g	***	08/24/15 13:03	08/26/15 12:01	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	77		25 - 164				08/24/15 13:03	08/26/15 12:01	1
13C-2,3,7,8-TCDF	77		24 - 169				08/24/15 13:03	08/26/15 12:01	1
13C-1,2,3,7,8-PeCDD	80		25 - 181				08/24/15 13:03	08/26/15 12:01	1
13C-1,2,3,7,8-PeCDF	79		24 - 185				08/24/15 13:03	08/26/15 12:01	1
13C-2,3,4,7,8-PeCDF	76		21 - 178				08/24/15 13:03	08/26/15 12:01	1
13C-1,2,3,4,7,8-HxCDD	77		32-141				08/24/15 13:03	08/26/15 12:01	1
13C-1,2,3,6,7,8-HxCDD	81		28 - 130				08/24/15 13:03	08/26/15 12:01	1
13C-1,2,3,4,7,8-HxCDF	77		26 - 152				08/24/15 13:03	08/26/15 12:01	1
13C-1,2,3,6,7,8-HxCDF	78		26 - 123				08/24/15 13:03	08/26/15 12:01	1
13C-2,3,4,6,7,8-HxCDF	80		28 - 136				08/24/15 13:03	08/26/15 12:01	1
13C-1,2,3,7,8,9-HxCDF	81		29 - 147				08/24/15 13:03	08/26/15 12:01	1
13C-1,2,3,4,6,7,8-HpCDD	83		23 - 140				08/24/15 13:03	08/26/15 12:01	1
13C-1,2,3,4,6,7,8-HpCDF	82		28 - 143				08/24/15 13:03	08/26/15 12:01	1
13C-1,2,3,4,7,8,9-HpCDF	80		26 - 138				08/24/15 13:03	08/26/15 12:01	1
13C-OCDD	86		17 - 157				08/24/15 13:03	08/26/15 12:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
37CI4-2,3,7,8-TCDD	96		35 - 197				08/24/15 13:03	08/26/15 12:01	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.5	J	2.6	0.68	mg/Kg	**	09/03/15 11:15	09/05/15 01:42	5
Barium	30		5.3	0.25	mg/Kg	尊	09/03/15 11:15	09/05/15 01:42	5
Cadmium	15		0.13	0.042	mg/Kg	鉄	09/03/15 11:15	09/05/15 01:42	5
Chromium	6.7		2.6	1.2	mg/Kg	尊	09/03/15 11:15	09/05/15 01:42	5
Lead	14		0.79	0.26	mg/Kg	**	09/03/15 11:15	09/05/15 01:42	5
Selenium	1.1	J	1.3	0.41	mg/Kg	305	09/03/15 11:15	09/05/15 01:42	5
Silver	ND		0.53	0.063	mg/Kg	**	09/03/15 11:15	09/05/15 01:42	5
Method: 7471B - Mercury (CVAA)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.036	0.012	mg/Kg	**	09/08/15 12:04	09/08/15 16:36	1

General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrocellulose	ND	F1	5.5	0.86	mg/Kg	尊	08/27/15 08:01	08/27/15 15:58	1

Client Sample ID: 2015 08 18 B2.3 Lab Sample ID: 160-13469-39

Date Collected: 08/18/15 13:20 Matrix: Solid Date Received: 08/20/15 09:15 Percent Solids: 81.9

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		4.4	0.31	ug/Kg	**	08/28/15 15:59	08/28/15 23:53	1
1,1,1-Trichloroethane	ND		4.4	0.38	ug/Kg	**	08/28/15 15:59	08/28/15 23:53	1
1,1,2,2-Tetrachloroethane	ND		4.4	0.35	ug/Kg	**	08/28/15 15:59	08/28/15 23:53	1
1,1,2-Trichloroethane	ND		4.4	0.51	ug/Kg	尊	08/28/15 15:59	08/28/15 23:53	1
1,1-Dichloroethane	ND		4.4	0.35	ug/Kg	**	08/28/15 15:59	08/28/15 23:53	1

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

Client Sample ID: 2015 08 18 B2.3

Date Collected: 08/18/15 13:20 Da

TestAmerica Job ID: 160-13469-1

Lab Sample ID: 160-13469-39

Date Received: 08/20/15 09:15	Percent Solids: 81.9
Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)	

Method: 8260C - Volatile O Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		4.4	1.4	ug/Kg	- 12	08/28/15 15:59	08/28/15 23:53	1
1,2-Dibromo-3-Chloropropane	ND		8.9	1.3	ug/Kg	**	08/28/15 15:59	08/28/15 23:53	1
1,2-Dichloroethane	ND		4.4	0.77	ug/Kg	数	08/28/15 15:59	08/28/15 23:53	1
1,2-Dichloropropane	ND		4.4	0.34	ug/Kg	拉	08/28/15 15:59	08/28/15 23:53	1
1,3-Dichloropropene, Total	ND		8.9	0.84	ug/Kg	308	08/28/15 15:59	08/28/15 23:53	1
2-Butanone (MEK)	ND		18	1.7	ug/Kg	32	08/28/15 15:59	08/28/15 23:53	1
4-Methyl-2-pentanone (MIBK)	ND		18	0.65	ug/Kg	*	08/28/15 15:59	08/28/15 23:53	1
Acetone	ND		18	5.7	ug/Kg	12	08/28/15 15:59	08/28/15 23:53	1
Benzene	ND		4.4	0.22	ug/Kg	章	08/28/15 15:59	08/28/15 23:53	1
Bromodichloromethane	ND		4.4	0.22	ug/Kg	125	08/28/15 15:59	08/28/15 23:53	1
Bromoform	ND		4.4	0.33	ug/Kg	*	08/28/15 15:59	08/28/15 23:53	1
Bromomethane	ND		8.9	0.97	ug/Kg	尊	08/28/15 15:59	08/28/15 23:53	1
Carbon disulfide	ND		4.4	0.61	ug/Kg	100	08/28/15 15:59	08/28/15 23:53	1
Carbon tetrachloride	ND		4.4	0.45	ug/Kg	**	08/28/15 15:59	08/28/15 23:53	1
Chlorobenzene	ND		4.4	0.34	ug/Kg	**	08/28/15 15:59	08/28/15 23:53	1
Chlorodibromomethane	ND		4.4		ug/Kg	**	08/28/15 15:59	08/28/15 23:53	1
Chloroethane	ND		8.9	0.46	ug/Kg	数	08/28/15 15:59	08/28/15 23:53	1
Chloroform	ND		4.4	0.34	ug/Kg	**	08/28/15 15:59	08/28/15 23:53	1
Chloromethane	ND		8.9	0.58	ug/Kg	数	08/28/15 15:59	08/28/15 23:53	- 1
cis-1,2-Dichloroethene	ND		4.4	0.53	ug/Kg	**	08/28/15 15:59	08/28/15 23:53	1
Ethylbenzene	ND		4.4	0.27	ug/Kg	**	08/28/15 15:59	08/28/15 23:53	1
Hexachlorobutadiene	ND		4.4	0.60	ug/Kg	302	08/28/15 15:59	08/28/15 23:53	1
Isobutyl alcohol	ND		180	23	ug/Kg	**	08/28/15 15:59	08/28/15 23:53	1
Methyl tert-butyl ether	ND		4.4	0.43	ug/Kg	*	08/28/15 15:59	08/28/15 23:53	1
Methylene Chloride	ND		4.4	1.4	ug/Kg	335	08/28/15 15:59	08/28/15 23:53	1
Styrene	ND		4.4	0.31	ug/Kg	垃	08/28/15 15:59	08/28/15 23:53	1
Tetrachloroethene	ND		4.4	0.28	ug/Kg	**	08/28/15 15:59	08/28/15 23:53	1
Toluene	ND		4.4	0.62	ug/Kg	*	08/28/15 15:59	08/28/15 23:53	1
trans-1,2-Dichloroethene	ND		4.4	0.83	ug/Kg	**	08/28/15 15:59	08/28/15 23:53	1
Trichloroethene	ND		4.4	0.35	ug/Kg	*	08/28/15 15:59	08/28/15 23:53	1
Trichlorofluoromethane	ND		4.4	0.44	ug/Kg	鉄	08/28/15 15:59	08/28/15 23:53	1
Vinyl chloride	ND		4.4	0.38	ug/Kg	**	08/28/15 15:59	08/28/15 23:53	1
Xylenes, Total	ND		8.9	0.75	ug/Kg	**	08/28/15 15:59	08/28/15 23:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		72 - 127				08/28/15 15:59	08/28/15 23:53	
4-Bromofluorobenzene (Surr)	99		63 - 150				08/28/15 15:59	08/28/15 23:53	1
Dibromofluoromethane (Surr)	100		70 - 126				08/28/15 15:59	08/28/15 23:53	1
Toluene-d8 (Surr)	100		80 - 120				08/28/15 15:59	08/28/15 23:53	1

Analyte	Result (and the second s	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		400	40	ug/Kg	***	08/31/15 13:01	09/04/15 15:32	1
1,2,4,5-Tetrachlorobenzene	ND		400	40	ug/Kg	**	08/31/15 13:01	09/04/15 15:32	1
1,2,4-Trichlorobenzene	ND		400	40	ug/Kg	305	08/31/15 13:01	09/04/15 15:32	1
1,2-Dichlorobenzene	ND		400	40	ug/Kg	尊	08/31/15 13:01	09/04/15 15:32	1
1,3-Dichlorobenzene	ND		400	40	ug/Kg	**	08/31/15 13:01	09/04/15 15:32	1
1,3-Dinitrobenzene	ND		400	40	ug/Kg	*	08/31/15 13:01	09/04/15 15:32	1
1,4-Dichlorobenzene	ND		400	40	ug/Kg	**	08/31/15 13:01	09/04/15 15:32	1
2,3,4,6-Tetrachlorophenol	ND		1900	40	ug/Kg	*	08/31/15 13:01	09/04/15 15:32	1

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

Client Sample ID: 2015 08 18 B2.3

Date Collected: 08/18/15 13:20

Date Received: 08/20/15 09:15

Lab Sample ID: 160-13469-39

TestAmerica Job ID: 160-13469-1

Matrix: Solid

Percent Solids: 81.9

Method: 8270D - Semivolatil Analyte		Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		400	40	ug/Kg	7	08/31/15 13:01	09/04/15 15:32	
2,4,6-Trichlorophenol	ND		400	40	ug/Kg	*	08/31/15 13:01	09/04/15 15:32	
2,4-Dichlorophenol	ND		400	40	ug/Kg	*	08/31/15 13:01	09/04/15 15:32	4
2,4-Dimethylphenol	ND		400	40	ug/Kg	尊	08/31/15 13:01	09/04/15 15:32	14
2,4-Dinitrophenol	ND	*	1900	400	ug/Kg	*	08/31/15 13:01	09/04/15 15:32	1
2,4-Dinitrotoluene	ND		400	40	- T. A. T.	*	08/31/15 13:01	09/04/15 15:32	4
2,6-Dinitrotoluene	ND		400	40	7.00	*	08/31/15 13:01	09/04/15 15:32	i i
2-Chloronaphthalene	ND		400	40	T-97.Th	*	08/31/15 13:01	09/04/15 15:32	1
2-Chlorophenol	ND		400	40		*	08/31/15 13:01	09/04/15 15:32	- 1
2-Methylnaphthalene	ND		400	40	ug/Kg	*	08/31/15 13:01	09/04/15 15:32	1
2-Nitroaniline	ND		400	40	ug/Kg	*	08/31/15 13:01	09/04/15 15:32	1
3,3'-Dichlorobenzidine	ND		1900	400	ug/Kg	**	08/31/15 13:01	09/04/15 15:32	1
3-Nitroaniline	ND		400	40	ug/Kg	**	08/31/15 13:01	09/04/15 15:32	1
4-Nitroaniline	ND		1900	400	ug/Kg	*	08/31/15 13:01	09/04/15 15:32	1
4-Nitrophenol	ND		1900	400	ug/Kg	**	08/31/15 13:01	09/04/15 15:32	1
Acenaphthene	ND		400	40	ug/Kg	故	08/31/15 13:01	09/04/15 15:32	1
Acenaphthylene	ND		400	40	ug/Kg	Ø	08/31/15 13:01	09/04/15 15:32	1
Aniline	ND		400	72	7 70/27	100	08/31/15 13:01	09/04/15 15:32	1
Anthracene	ND		400	40	ug/Kg	**	08/31/15 13:01	09/04/15 15:32	4
Benzo[a]anthracene	ND		400	40	ug/Kg	**	08/31/15 13:01	09/04/15 15:32	1
Benzo[a]pyrene	ND		400	40	ug/Kg	*	08/31/15 13:01	09/04/15 15:32	1
Benzo[b]fluoranthene	ND		400	40	ug/Kg	**	08/31/15 13:01	09/04/15 15:32	1
Benzo[k]fluoranthene	ND		400	40	ug/Kg	*	08/31/15 13:01	09/04/15 15:32	1
bis (2-chloroisopropyl) ether	ND		400	40	ug/Kg	335	08/31/15 13:01	09/04/15 15:32	1
Bis(2-chloroethyl)ether	ND		400	40	ug/Kg	*	08/31/15 13:01	09/04/15 15:32	1
Bis(2-ethylhexyl) phthalate	ND		400	55	ug/Kg	125	08/31/15 13:01	09/04/15 15:32	1
Butyl benzyl phthalate	ND		400	40	ug/Kg	*	08/31/15 13:01	09/04/15 15:32	1
Chrysene	ND		400	40	ug/Kg	*	08/31/15 13:01	09/04/15 15:32	1
Dibenz(a,h)anthracene	ND		400	40	ug/Kg	*	08/31/15 13:01	09/04/15 15:32	1
Dibenzofuran	ND		400	40	ug/Kg	*	08/31/15 13:01	09/04/15 15:32	1
Diethyl phthalate	ND		400	40	ug/Kg	*	08/31/15 13:01	09/04/15 15:32	,
Dimethyl phthalate	ND		400	40	ug/Kg	**	08/31/15 13:01	09/04/15 15:32	4
Di-n-butyl phthalate	ND		400	40	ug/Kg	*	08/31/15 13:01	09/04/15 15:32	
Di-n-octyl phthalate	ND		400	40	ug/Kg	**	08/31/15 13:01	09/04/15 15:32	
Diphenylamine	ND		400		ug/Kg	*	08/31/15 13:01	09/04/15 15:32	1
Fluoranthene	ND		400		1 The 10th of the	*	08/31/15 13:01		1
Fluorene	ND		400		ug/Kg	36		09/04/15 15:32	1
Hexachlorobenzene	ND				ug/Kg	20	08/31/15 13:01	09/04/15 15:32	1
Hexachlorobutadiene			400		ug/Kg	23		09/04/15 15:32	1
	ND		400		ug/Kg	**	08/31/15 13:01	09/04/15 15:32	3
Hexachlorocyclopentadiene	ND		1900		ug/Kg	**	08/31/15 13:01	09/04/15 15:32	3
Hexachloroethane	ND		400		ug/Kg	**	08/31/15 13:01	09/04/15 15:32	1
ndeno[1,2,3-cd]pyrene	ND		400		ug/Kg	20	08/31/15 13:01	09/04/15 15:32	1
sophorone	ND		400		ug/Kg	***	08/31/15 13:01	09/04/15 15:32	1
Naphthalene	ND		400		ug/Kg	101	08/31/15 13:01	09/04/15 15:32	1
Nitrobenzene	ND		400		ug/Kg	**	08/31/15 13:01	09/04/15 15:32	1
N-Nitrosodi-n-propylamine	ND		400		ug/Kg	30	08/31/15 13:01	09/04/15 15:32	1
Pentachlorophenol	ND		800		ug/Kg	**	08/31/15 13:01	09/04/15 15:32	1
Phenanthrene	ND		400		ug/Kg	**	08/31/15 13:01	09/04/15 15:32	1
Phenol	ND		400	40	ug/Kg	*	08/31/15 13:01	09/04/15 15:32	

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

Client Sample ID: 2015 08 18 B2.3

Date Collected: 08/18/15 13:20 Date Received: 08/20/15 09:15

1,2-Dinitrobenzene (Surr)

Lab Sample ID: 160-13469-39 Matrix: Solid

Percent Solids: 81.9

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	ND		400	40	ug/Kg	**	08/31/15 13:01	09/04/15 15:32	1
N-Nitrosodiphenylamine	ND		400	40	ug/Kg	**	08/31/15 13:01	09/04/15 15:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	93		56 - 97				08/31/15 13:01	09/04/15 15:32	1
2-Fluorophenol (Surr)	81		53 - 97				08/31/15 13:01	09/04/15 15:32	1
Nitrobenzene-d5 (Surr)	83		55 - 98				08/31/15 13:01	09/04/15 15:32	1
Phenol-d5 (Surr)	81		54 - 101				08/31/15 13:01	09/04/15 15:32	1
Terphenyl-d14 (Surr)	85		58 - 123				08/31/15 13:01	09/04/15 15:32	1
2,4,6-Tribromophenol (Surr)	84		46-111				08/31/15 13:01	09/04/15 15:32	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trinitrobenzene	ND		230	25	ug/Kg		08/24/15 08:40	08/30/15 02:48	1
1,3-Dinitrobenzene	ND		230	39	ug/Kg		08/24/15 08:40	08/30/15 02:48	1
2,4,6-Trinitrotoluene	ND		230	32	ug/Kg		08/24/15 08:40	08/30/15 02:48	1
2,4-Dinitrotoluene	ND		230	34	ug/Kg		08/24/15 08:40	08/30/15 02:48	1
2,6-Dinitrotoluene	ND		230	57	ug/Kg		08/24/15 08:40	08/30/15 02:48	1
2-Amino-4,6-dinitrotoluene	ND		230	39	ug/Kg		08/24/15 08:40	08/30/15 02:48	1
4-Amino-2,6-dinitrotoluene	ND		230	84	ug/Kg		08/24/15 08:40	08/30/15 02:48	1
3-Nitrotoluene	ND		230	50	ug/Kg		08/24/15 08:40	08/30/15 02:48	1
Nitrobenzene	ND		230	39	ug/Kg		08/24/15 08:40	08/30/15 02:48	1
Nitroglycerin	ND		1100	240	ug/Kg		08/24/15 08:40	08/30/15 02:48	1
2-Nitrotoluene	ND		230	59	ug/Kg		08/24/15 08:40	08/30/15 02:48	1
4-Nitrotoluene	ND		230	73	ug/Kg		08/24/15 08:40	08/30/15 02:48	1
PETN	ND		2300	310	ug/Kg		08/24/15 08:40	08/30/15 02:48	1
RDX	ND		230	56	ug/Kg		08/24/15 08:40	08/30/15 02:48	1
HMX	ND		230	35	ug/Kg		08/24/15 08:40	08/30/15 02:48	1
Tetryl	ND		230	41	ug/Kg		08/24/15 08:40	08/30/15 02:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

79 - 120

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Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND		1.2	0.047	pg/g	ø	08/24/15 13:03	08/26/15 12:47	1
2,3,7,8-TCDF	ND		1.2	0.038	pg/g	100	08/24/15 13:03	08/26/15 12:47	1
1,2,3,7,8-PeCDD	ND		6.0	0.066	pg/g	×	08/24/15 13:03	08/26/15 12:47	1
1,2,3,7,8-PeCDF	ND		6.0	0.047	pg/g	**	08/24/15 13:03	08/26/15 12:47	1
2,3,4,7,8-PeCDF	ND		6.0	0.054	pg/g	*	08/24/15 13:03	08/26/15 12:47	1
1,2,3,4,7,8-HxCDD	0.16	Jq	6.0	0.049	pg/g	**	08/24/15 13:03	08/26/15 12:47	1
1,2,3,6,7,8-HxCDD	0.093	Jq	6.0	0.048	pg/g	*	08/24/15 13:03	08/26/15 12:47	1
1,2,3,7,8,9-HxCDD	0.27	J	6.0	0.042	pg/g	粹	08/24/15 13:03	08/26/15 12:47	1
1,2,3,4,7,8-HxCDF	ND		6.0	0.033	pg/g	故	08/24/15 13:03	08/26/15 12:47	1
1,2,3,6,7,8-HxCDF	ND		6.0	0.030	pg/g	*	08/24/15 13:03	08/26/15 12:47	1
1,2,3,7,8,9-HxCDF	ND		6.0	0.029	pg/g	*	08/24/15 13:03	08/26/15 12:47	1
2,3,4,6,7,8-HxCDF	ND		6.0	0.029	pg/g	禁	08/24/15 13:03	08/26/15 12:47	1
1,2,3,4,6,7,8-HpCDD	8.9	В	6.0	0.29	pg/g	**	08/24/15 13:03	08/26/15 12:47	1
1,2,3,4,6,7,8-HpCDF	ND		6.0	0.048	pg/g	**	08/24/15 13:03	08/26/15 12:47	1
1,2,3,4,7,8,9-HpCDF	ND		6.0	0.063	pg/g	**	08/24/15 13:03	08/26/15 12:47	1

TestAmerica St. Louis

08/24/15 08:40 08/30/15 02:48

Client: SEMS, Inc.

Project/Site: Camp Minden Baseline Project

Client Sample ID: 2015 08 18 B2.3

Date Collected: 08/18/15 13:20 Date Received: 08/20/15 09:15

Lab Sample ID: 160-13469-39

TestAmerica Job ID: 160-13469-1

Matrix: Solid

Percent Solids: 81.9

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
OCDD	970	В	12	0.67	pg/g	**	08/24/15 13:03	08/26/15 12:47	1
OCDF	0.27	JB	12	0.051	pg/g	**	08/24/15 13:03	08/26/15 12:47	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	64		25 - 164				08/24/15 13:03	08/26/15 12:47	1
13C-2,3,7,8-TCDF	65		24 - 169				08/24/15 13:03	08/26/15 12:47	1
13C-1,2,3,7,8-PeCDD	66		25 - 181				08/24/15 13:03	08/26/15 12:47	1
13C-1,2,3,7,8-PeCDF	64		24 - 185				08/24/15 13:03	08/26/15 12:47	1
13C-2,3,4,7,8-PeCDF	63		21 - 178				08/24/15 13:03	08/26/15 12:47	1
13C-1,2,3,4,7,8-HxCDD	62		32-141				08/24/15 13:03	08/26/15 12:47	1
13C-1,2,3,6,7,8-HxCDD	68		28 - 130				08/24/15 13:03	08/26/15 12:47	1
13C-1,2,3,4,7,8-HxCDF	62		26 - 152				08/24/15 13:03	08/26/15 12:47	1
13C-1,2,3,6,7,8-HxCDF	66		26 - 123				08/24/15 13:03	08/26/15 12:47	1
13C-2,3,4,6,7,8-HxCDF	67		28 - 136				08/24/15 13:03	08/26/15 12:47	1
13C-1,2,3,7,8,9-HxCDF	66		29 - 147				08/24/15 13:03	08/26/15 12:47	1
13C-1,2,3,4,6,7,8-HpCDD	68		23 - 140				08/24/15 13:03	08/26/15 12:47	1
13C-1,2,3,4,6,7,8-HpCDF	65		28 - 143				08/24/15 13:03	08/26/15 12:47	1
13C-1,2,3,4,7,8,9-HpCDF	66		26 - 138				08/24/15 13:03	08/26/15 12:47	1
13C-OCDD	70		17 - 157				08/24/15 13:03	08/26/15 12:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
37CI4-2,3,7,8-TCDD	96		35 - 197				08/24/15 13:03	08/26/15 12:47	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.8		2.8	0.73	mg/Kg	*	09/03/15 11:15	09/05/15 01:49	5
Barium	160		5.6	0.26	mg/Kg	*	09/03/15 11:15	09/05/15 01:49	5
Cadmium	ND		0.14	0.045	mg/Kg	*	09/03/15 11:15	09/05/15 01:49	5
Chromium	24		2.8	1.3	mg/Kg	**	09/03/15 11:15	09/05/15 01:49	5
Lead	19		0.84	0.28	mg/Kg	*	09/03/15 11:15	09/05/15 01:49	5
Selenium	2.4		1.4	0.44	mg/Kg	*	09/03/15 11:15	09/05/15 01:49	5
Silver	ND		0.56	0.067	mg/Kg	禁	09/03/15 11:15	09/05/15 01:49	5
Method: 7471B - Mercury (CVAA)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.013	J	0.039	0.013	mg/Kg	章	09/08/15 12:04	09/08/15 16:38	1

General Chemistry Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrocellulose	ND	_	0.4	0.05		- 35	00/07/45 00:04	00/07/45 40:04	
Nitrocellulose	ND		6.1	0.95	mg/Kg	32	08/27/15 08:01	08/27/15 16:04	

Client Sample ID: 2015 08 18 E6.5 Lab Sample ID: 160-13469-40

Date Collected: 08/18/15 13:45 Matrix: Solid Date Received: 08/20/15 09:15 Percent Solids: 84.3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		4.7	0.33	ug/Kg	Þ	08/28/15 15:59	08/29/15 00:18	1
1,1,1-Trichloroethane	ND		4.7	0.40	ug/Kg	**	08/28/15 15:59	08/29/15 00:18	1
1,1,2,2-Tetrachloroethane	ND		4.7	0.37	ug/Kg	*	08/28/15 15:59	08/29/15 00:18	1
1,1,2-Trichloroethane	ND		4.7	0.53	ug/Kg	**	08/28/15 15:59	08/29/15 00:18	1

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

Client Sample ID: 2015 08 18 E6.5

Lab Sample ID: 160-13469-40

Matrix: Solid

TestAmerica Job ID: 160-13469-1

Date Collected: 08/18/15 13:45 Date Received: 08/20/15 09:15 Percent Solids: 84.3

Analyte	37.56.7	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		4.7	0.36	ug/Kg	13	08/28/15 15:59	08/29/15 00:18	1
1,1-Dichloroethene	ND		4.7	1.5	ug/Kg	**	08/28/15 15:59	08/29/15 00:18	1
1,2-Dibromo-3-Chloropropane	ND		9.3	1.4	ug/Kg	**	08/28/15 15:59	08/29/15 00:18	1
1,2-Dichloroethane	ND		4.7	0.81	ug/Kg	325	08/28/15 15:59	08/29/15 00:18	1
1,2-Dichloropropane	ND		4.7	0.36	ug/Kg	**	08/28/15 15:59	08/29/15 00:18	1
1,3-Dichloropropene, Total	ND		9.3	0.89	ug/Kg	尊	08/28/15 15:59	08/29/15 00:18	4
2-Butanone (MEK)	ND		19	1.8	ug/Kg	*	08/28/15 15:59	08/29/15 00:18	1
4-Methyl-2-pentanone (MIBK)	ND		19	0.68	ug/Kg	**	08/28/15 15:59	08/29/15 00:18	1
Acetone	100		19	6.0	ug/Kg	*	08/28/15 15:59	08/29/15 00:18	1
Benzene	ND		4.7	0.23	ug/Kg	*	08/28/15 15:59	08/29/15 00:18	1
Bromodichloromethane	ND		4.7	0.23	ug/Kg	*	08/28/15 15:59	08/29/15 00:18	1
Bromoform	ND		4.7	0.35	ug/Kg	**	08/28/15 15:59	08/29/15 00:18	1
Bromomethane	ND		9.3	1.0	ug/Kg	**	08/28/15 15:59	08/29/15 00:18	1
Carbon disulfide	ND		4.7	0.65	ug/Kg	*	08/28/15 15:59	08/29/15 00:18	1
Carbon tetrachloride	ND		4.7	0.48	ug/Kg	*	08/28/15 15:59	08/29/15 00:18	1
Chlorobenzene	ND		4.7	0.36	ug/Kg	**	08/28/15 15:59	08/29/15 00:18	1
Chlorodibromomethane	ND		4.7	0.38	ug/Kg	*	08/28/15 15:59	08/29/15 00:18	1
Chloroethane	ND		9.3	0.49	ug/Kg	**	08/28/15 15:59	08/29/15 00:18	1
Chloroform	ND		4.7	0.36	ug/Kg	**	08/28/15 15:59	08/29/15 00:18	1
Chloromethane	ND		9.3	0.61	ug/Kg	*	08/28/15 15:59	08/29/15 00:18	1
cis-1,2-Dichloroethene	ND		4.7	0.56	ug/Kg	**	08/28/15 15:59	08/29/15 00:18	1
Ethylbenzene	ND		4.7	0.28	ug/Kg	*	08/28/15 15:59	08/29/15 00:18	1
Hexachlorobutadiene	ND		4.7	0.64	ug/Kg	**	08/28/15 15:59	08/29/15 00:18	4
Isobutyl alcohol	ND		190	24	ug/Kg	*	08/28/15 15:59	08/29/15 00:18	1
Methyl tert-butyl ether	ND		4.7	0.45	ug/Kg	*	08/28/15 15:59	08/29/15 00:18	1
Methylene Chloride	ND		4.7	1.5	ug/Kg	*	08/28/15 15:59	08/29/15 00:18	1
Styrene	ND		4.7	0.33	ug/Kg	益	08/28/15 15:59	08/29/15 00:18	1
Tetrachloroethene	ND		4.7	0.30	ug/Kg	尊	08/28/15 15:59	08/29/15 00:18	1
Toluene	ND		4.7	0.65	ug/Kg	数	08/28/15 15:59	08/29/15 00:18	1
trans-1,2-Dichloroethene	ND		4.7	0.88	ug/Kg	尊	08/28/15 15:59	08/29/15 00:18	1
Trichloroethene	ND		4.7	0.36	ug/Kg	*	08/28/15 15:59	08/29/15 00:18	9
Trichlorofluoromethane	ND		4.7	0.47	ug/Kg	*	08/28/15 15:59	08/29/15 00:18	1
Vinyl chloride	ND		4.7	0.40	ug/Kg	*	08/28/15 15:59	08/29/15 00:18	1
Xylenes, Total	ND		9.3	0.79	ug/Kg	**	08/28/15 15:59	08/29/15 00:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		72 - 127				08/28/15 15:59	08/29/15 00:18	1
4-Bromofluorobenzene (Surr)	117		63 - 150				08/28/15 15:59	08/29/15 00:18	1
Dibromofluoromethane (Surr)	98		70 - 126				08/28/15 15:59	08/29/15 00:18	1
Toluene-d8 (Surr)	109		80 - 120				08/28/15 15:59	08/29/15 00:18	1

Analyte	Result Qualific	N. A.U.	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND	390	39	ug/Kg	Ď	08/31/15 13:01	09/04/15 16:05	1
1,2,4,5-Tetrachlorobenzene	ND	390	39	ug/Kg	Þ	08/31/15 13:01	09/04/15 16:05	1
1,2,4-Trichlorobenzene	ND	390	39	ug/Kg	**	08/31/15 13:01	09/04/15 16:05	1
1,2-Dichlorobenzene	ND	390	39	ug/Kg	***	08/31/15 13:01	09/04/15 16:05	1
1,3-Dichlorobenzene	ND	390	39	ug/Kg	Þ	08/31/15 13:01	09/04/15 16:05	1
1,3-Dinitrobenzene	ND	390	39	ug/Kg	鉄	08/31/15 13:01	09/04/15 16:05	1
1,4-Dichlorobenzene	ND	390	39	ug/Kg	**	08/31/15 13:01	09/04/15 16:05	1

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

Client Sample ID: 2015 08 18 E6.5 Lab Sample ID: 160-13469-40

Date Collected: 08/18/15 13:45 Matrix: Solid Date Received: 08/20/15 09:15 Percent Solids: 84.3

Method: 8270D - Semivolatil Analyte	Result Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fa
2,3,4,6-Tetrachlorophenol	ND	1900	39	ug/Kg	- 35	08/31/15 13:01	09/04/15 16:05	
2,4,5-Trichlorophenol	ND	390	39	ug/Kg	*	08/31/15 13:01		
2,4,6-Trichlorophenol	ND	390	39	ug/Kg	**	08/31/15 13:01		
2,4-Dichlorophenol	ND	390	39	ug/Kg	*	08/31/15 13:01		
2,4-Dimethylphenol	ND	390	39	ug/Kg	**	08/31/15 13:01		
2,4-Dinitrophenol	ND *	1900	390		*	08/31/15 13:01		
2,4-Dinitrotoluene	ND	390	39	ug/Kg	**	08/31/15 13:01		
2,6-Dinitrotoluene	ND	390	39	ug/Kg	*	08/31/15 13:01		
2-Chloronaphthalene	ND	390	39	ug/Kg	*	08/31/15 13:01		
2-Chlorophenol	ND	390	39	ug/Kg	*	08/31/15 13:01		
2-Methylnaphthalene	ND	390	39	ug/Kg	*	08/31/15 13:01		
2-Nitroaniline	ND	390	39	ug/Kg	*	08/31/15 13:01		
3,3'-Dichlorobenzidine	ND	1900	390	ug/Kg	**	08/31/15 13:01		
3-Nitroaniline	ND	390	39	ug/Kg	*	08/31/15 13:01		
4-Nitroaniline	ND	1900	390	ug/Kg	*	08/31/15 13:01		
4-Nitrophenol	ND	1900	390	ug/Kg	*	08/31/15 13:01		
Acenaphthene	ND	390	39	ug/Kg	*	08/31/15 13:01	09/04/15 16:05	
Acenaphthylene	ND	390	39	ug/Kg	*	08/31/15 13:01	09/04/15 16:05	
Aniline	ND	390	71		*	08/31/15 13:01		
Anthracene	ND	390	39	ug/Kg ug/Kg	*	- 경시 (15일 15일 15일 15일 15일 15일	· 경기(1)(1)(1)(1)(1)(1)(1)	
Benzo[a]anthracene	ND	390	39	ug/Kg ug/Kg	*	08/31/15 13:01 08/31/15 13:01	09/04/15 16:05 09/04/15 16:05	
Benzo[a]pyrene	ND	390	39		*			
Benzo[b]fluoranthene	ND	390	39	ug/Kg	*	08/31/15 13:01	09/04/15 16:05	
Benzo[k]fluoranthene	ND			ug/Kg	*	08/31/15 13:01	09/04/15 16:05	
ois (2-chloroisopropyl) ether	ND	390 390	39 39	ug/Kg	*	08/31/15 13:01	09/04/15 16:05	
Bis(2-chloroethyl)ether	ND	390		ug/Kg	*	08/31/15 13:01	09/04/15 16:05	
, 그렇 귀에 걸어 있는 맛집에 다꾸 리고 없다고 있다. 그렇게 그렇다 그 없다.	ND	390		ug/Kg	**	08/31/15 13:01	09/04/15 16:05	
Bis(2-ethylhexyl) phthalate	ND		54	ug/Kg		08/31/15 13:01	09/04/15 16:05	
Butyl benzyl phthalate	ND	390	39	ug/Kg	**	08/31/15 13:01	09/04/15 16:05	
Chrysene	ND	390	39	ug/Kg	**	08/31/15 13:01	09/04/15 16:05	
Dibenz(a,h)anthracene Dibenzofuran	ND	390	39	ug/Kg	*	08/31/15 13:01	09/04/15 16:05	
		390	39	ug/Kg	*	08/31/15 13:01	09/04/15 16:05	- 11
Diethyl phthalate	ND	390	39	ug/Kg	*	08/31/15 13:01	09/04/15 16:05	
Dimethyl phthalate	ND	390	39	ug/Kg	*	08/31/15 13:01	09/04/15 16:05	
Di-n-butyl phthalate	ND	390	39	ug/Kg	*	08/31/15 13:01	09/04/15 16:05	
Di-n-octyl phthalate	ND	390		ug/Kg	**	08/31/15 13:01	09/04/15 16:05	
Diphenylamine	ND	390	39	ug/Kg	**	08/31/15 13:01	09/04/15 16:05	
luoranthene	ND	390	39	ug/Kg	*	08/31/15 13:01	09/04/15 16:05	
luorene	ND	390	39	ug/Kg	12	08/31/15 13:01	09/04/15 16:05	
dexachlorobenzene	ND	390	39	ug/Kg	300	08/31/15 13:01	09/04/15 16:05	1
dexachlorobutadiene	ND *	390	39	ug/Kg	Φ.	08/31/15 13:01	09/04/15 16:05	
dexachlorocyclopentadiene	ND	1900	390	ug/Kg	***	08/31/15 13:01	09/04/15 16:05	
lexachloroethane	ND	390		ug/Kg		08/31/15 13:01	09/04/15 16:05	
ndeno[1,2,3-cd]pyrene	ND	390	39	ug/Kg	**	08/31/15 13:01	09/04/15 16:05	1
sophorone	ND	390	39	ug/Kg	*	08/31/15 13:01	09/04/15 16:05	1
Naphthalene	ND	390	39	ug/Kg	**	08/31/15 13:01	09/04/15 16:05	
litrobenzene	ND	390	39	ug/Kg	*	08/31/15 13:01	09/04/15 16:05	1
N-Nitrosodi-n-propylamine	ND	390	39	ug/Kg	₽	08/31/15 13:01	09/04/15 16:05	1
Pentachlorophenol	ND	780		ug/Kg	**	08/31/15 13:01	09/04/15 16:05	1
Phenanthrene	ND	390	39	ug/Kg	**	08/31/15 13:01	09/04/15 16:05	1

TestAmerica St. Louis

TestAmerica Job ID: 160-13469-1

Client: SEMS, Inc.

Project/Site: Camp Minden Baseline Project

Client Sample ID: 2015 08 18 E6.5

Date Collected: 08/18/15 13:45

Date Received: 08/20/15 09:15

Lab Sample ID: 160-13469-40

TestAmerica Job ID: 160-13469-1

Matrix: Solid

Percent Solids: 84.3

Method: 8270D - Semivolatile					The state of the s		2000000	1000000	11123
Analyte		Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fa
Phenol	ND		390		ug/Kg	- 12	08/31/15 13:01	09/04/15 16:05	
Pyrene	ND		390	39		20	08/31/15 13:01	09/04/15 16:05	
N-Nitrosodiphenylamine	ND		390	39	ug/Kg	30	08/31/15 13:01	09/04/15 16:05	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
2-Fluorobiphenyl (Surr)	79		56 - 97				08/31/15 13:01	09/04/15 16:05	
2-Fluorophenol (Surr)	70		53 - 97				08/31/15 13:01	09/04/15 16:05	
litrobenzene-d5 (Surr)	70		55 - 98				08/31/15 13:01	09/04/15 16:05	
Phenol-d5 (Surr)	69		54 - 101				08/31/15 13:01	09/04/15 16:05	
Ferphenyl-d14 (Surr)	73		58 - 123				08/31/15 13:01	09/04/15 16:05	
2,4,6-Tribromophenol (Surr)	80		46-111				08/31/15 13:01	09/04/15 16:05	
Method: 8015B - Gasoline Rai		s - (GC) Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Basoline Range Organics (C6-C12)	ND	- Addition	0.12		mg/Kg	— =	09/01/15 13:09	09/01/15 15:36	On the
race range organica (00-012)	140		0,12	0.012	ingrity	- m	03/01/10/10:09	03/01/10/10:30	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	DII F
rifluorotoluene (Surr)	110		44 - 147				09/01/15 13:09	09/01/15 15:36	
Method: 8015B - Diesel Range	the state of the s	the state of the s							
nalyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil F
iesel Range Organics [C10-C28]	ND		29	0.39	mg/Kg	章	08/21/15 12:36	08/26/15 00:09	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil F
o-Terphenyl	101		49 - 133				08/21/15 12:36	08/26/15 00:09	
Method: 8330B - Nitroaromati	no and Nitre	mines (UDI	C)						
Analyte		Qualifier	RL.	MIN	Unit	D	Prepared	Analyses	Dil Fa
,3,5-Trinitrobenzene	ND	Quantier	230	25	CONT. 51_	_ =	08/24/15 08:40	Analyzed 08/30/15 03:11	DII F
,3-Dinitrobenzene	ND		230	40			08/24/15 08:40	08/30/15 03:11	
,4,6-Trinitrotoluene	ND		230	32	10.70		08/24/15 08:40	08/30/15 03:11	
,4-Dinitrotoluene	ND		230		ug/Kg		08/24/15 08:40	08/30/15 03:11	
,6-Dinitrotoluene	ND		230					08/30/15 03:11	
-Amino-4,6-dinitrotoluene	ND		230		ug/Kg		08/24/15 08:40		
	ND		230	39			08/24/15 08:40	08/30/15 03:11	
-Amino-2,6-dinitrotoluene				85	9		08/24/15 08:40	08/30/15 03:11	
3-Nitrotoluene	ND		230	100	ug/Kg			08/30/15 03:11	
Vitrobenzene	ND		230		ug/Kg		08/24/15 08:40	08/30/15 03:11	
litroglycerin	ND		1100		ug/Kg		08/24/15 08:40	08/30/15 03:11	
-Nitrotoluene	ND		230		ug/Kg			08/30/15 03:11	
-Nitrotoluene	ND		230		ug/Kg		08/24/15 08:40		
PETN	ND		2300		ug/Kg		08/24/15 08:40		
RDX	ND		230	57				08/30/15 03:11	
IMX	ND		230		ug/Kg		08/24/15 08:40		
etryl etryl	ND		230	42	ug/Kg		08/24/15 08:40	08/30/15 03:11	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil F
1,2-Dinitrobenzene (Surr)	108		79 - 120				08/24/15 08:40	08/30/15 03:11	
Method: 1613B - Dioxins and			-	5.073	53.5		2000	2021-01	- N
Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fa
2,3,7,8-TCDD	ND		1.2	0.054		**	08/24/15 13:03	08/26/15 13:33	

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

Client Sample ID: 2015 08 18 E6.5

Date Collected: 08/18/15 13:45

Date Received: 08/20/15 09:15

Lab Sample ID: 160-13469-40

TestAmerica Job ID: 160-13469-1

Matrix: Solid

Percent Solids: 84.3

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDF	0.075	Jq	1.2	0.047	pg/g	*	and the second s	08/26/15 13:33	1
1,2,3,7,8-PeCDD	ND		5.8	0.088		尊	08/24/15 13:03	08/26/15 13:33	1
1,2,3,7,8-PeCDF	ND		5.8	0.053		**	08/24/15 13:03	08/26/15 13:33	1
2,3,4,7,8-PeCDF	ND		5.8	0.061		尊	08/24/15 13:03	08/26/15 13:33	1
1,2,3,4,7,8-HxCDD	0.28	Ja	5.8	0.061	- 1 Tear 198	*	08/24/15 13:03	08/26/15 13:33	1
1,2,3,6,7,8-HxCDD	0.37	1/3/	5.8	0.060		**		08/26/15 13:33	1
1,2,3,7,8,9-HxCDD	0.49		5.8	0.052		**		08/26/15 13:33	1
1,2,3,4,7,8-HxCDF	0.080		5.8	0.034		**		08/26/15 13:33	1
1,2,3,6,7,8-HxCDF	0.092	and the first	5.8	0.031		*		08/26/15 13:33	1
1,2,3,7,8,9-HxCDF	0.083		5.8	0.032		*		08/26/15 13:33	1
2,3,4,6,7,8-HxCDF	0.058	The second secon	5.8	0.029		**		08/26/15 13:33	1
1,2,3,4,6,7,8-HpCDD	29		5.8		pg/g	**		08/26/15 13:33	1
1,2,3,4,6,7,8-HpCDF	0.46		5.8	0.057		ø	08/24/15 13:03		1
1,2,3,4,7,8,9-HpCDF	ND	8.7	5.8	0.079		*	08/24/15 13:03	08/26/15 13:33	1
OCDD	7300	EB	12		pg/g	**	08/24/15 13:03	08/26/15 13:33	1
OCDF		JB	12	0.062		*		08/26/15 13:33	1
					-3-3				00.5
Isotope Dilution	%Recovery 62	Quaimer	Limits				Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD			25 - 164				08/24/15 13:03	08/26/15 13:33	7
13C-2,3,7,8-TCDF	61		24 - 169				08/24/15 13:03	08/26/15 13:33	1
13C-1,2,3,7,8-PeCDD	63		25 - 181				08/24/15 13:03		1
13C-1,2,3,7,8-PeCDF	62		24 - 185				08/24/15 13:03	08/26/15 13:33	1
13C-2,3,4,7,8-PeCDF	60		21 - 178				08/24/15 13:03		1
13C-1,2,3,4,7,8-HxCDD	64		32 - 141				08/24/15 13:03	08/26/15 13:33	1
13C-1,2,3,6,7,8-HxCDD	64		28 - 130					08/26/15 13:33	1
13C-1,2,3,4,7,8-HxCDF	62		26 - 152					08/26/15 13:33	7
13C-1,2,3,6,7,8-HxCDF	64		26 - 123					08/26/15 13:33	1
13C-2,3,4,6,7,8-HxCDF	65		28 - 136					08/26/15 13:33	1
13C-1,2,3,7,8,9-HxCDF	64		29 - 147					08/26/15 13:33	1
13C-1,2,3,4,6,7,8-HpCDD	68		23 - 140				08/24/15 13:03	08/26/15 13:33	1
13C-1,2,3,4,6,7,8-HpCDF	66		28 - 143				08/24/15 13:03	08/26/15 13:33	1
13C-1,2,3,4,7,8,9-HpCDF	65		26 - 138				- [경영대][경영영영 및 영영(11]]	08/26/15 13:33	1
13C-OCDD	75		17 - 157				08/24/15 13:03	08/26/15 13:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
37CI4-2,3,7,8-TCDD	93	quamici	35 - 197				08/24/15 13:03	08/26/15 13:33	1
0.01.201.10.1000	77.00		00-107				00/2-1/10 10:00	00/20/10 10:00	
Method: 6020A - Metals (I	CP/MS)								
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	6.0		2.9	0.75	mg/Kg	- ¥	09/03/15 11:15	09/05/15 02:16	5
Barium	100		5.8	0.27	mg/Kg	*	09/03/15 11:15	09/05/15 02:16	5
Cadmium	0.21		0.14	0.046	mg/Kg	*	09/03/15 11:15	09/05/15 02:16	5
Chromium	19		2.9		mg/Kg	**	09/03/15 11:15	09/05/15 02:16	5
Lead	19		0.87		mg/Kg	**	09/03/15 11:15		5
Selenium	2.6		1.4		mg/Kg	**	09/03/15 11:15	09/05/15 02:16	5
Silver	ND		0.58		mg/Kg	**	09/03/15 11:15		5
					1,515			997799468 (5771)	1 19
Method: 7471B - Mercury	(CVAA)								
Analyte	The state of the s	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.053		0.039	0.013	mg/Kg	尊	09/08/15 12:04	09/08/15 16:44	1

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

Client Sample ID: 2015 08 18 E6.5

Date Collected: 08/18/15 13:45 Date Received: 08/20/15 09:15 Lab Sample ID: 160-13469-40

Matrix: Solid Percent Solids: 84.3

General Chemistry Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrocellulose	1.0	J	5.9	0.92	mg/Kg	***	08/27/15 08:01	08/27/15 16:12	1

Client Sample ID: 2015 08 18 F7.5

Date Collected: 08/18/15 14:00 Date Received: 08/20/15 09:15

4-Bromofluorobenzene (Surr)

Lab Sample ID: 160-13469-41

Matrix: Solid Percent Solids: 91.9

Method: 8260C - Volatile Or Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	F2	5.8	0.40	ug/Kg	**	08/28/15 15:59	08/29/15 01:09	1
1,1,1-Trichloroethane	ND	F2	5.8	0.50	ug/Kg	**	08/28/15 15:59	08/29/15 01:09	1
1,1,2,2-Tetrachloroethane	ND	F2	5.8	0.46	ug/Kg	**	08/28/15 15:59	08/29/15 01:09	1
1,1,2-Trichloroethane	ND	F2	5.8	0.66	ug/Kg	**	08/28/15 15:59	08/29/15 01:09	1
1,1-Dichloroethane	ND	F2	5.8	0.45	ug/Kg	**	08/28/15 15:59	08/29/15 01:09	1
1,1-Dichloroethene	ND		5.8	1.9	ug/Kg	**	08/28/15 15:59	08/29/15 01:09	1
1,2-Dibromo-3-Chloropropane	ND	F2	12	1.7	ug/Kg	**	08/28/15 15:59	08/29/15 01:09	1
1,2-Dichloroethane	ND	F2	5.8	1.0	ug/Kg	**	08/28/15 15:59	08/29/15 01:09	1
1,2-Dichloropropane	ND	F2	5.8	0.44	ug/Kg	*	08/28/15 15:59	08/29/15 01:09	1
1,3-Dichloropropene, Total	ND		12	1.1	ug/Kg	100	08/28/15 15:59	08/29/15 01:09	1
2-Butanone (MEK)	ND	F2	23	2.2	ug/Kg	**	08/28/15 15:59	08/29/15 01:09	1
4-Methyl-2-pentanone (MIBK)	ND	F2	23	0.84	ug/Kg	305	08/28/15 15:59	08/29/15 01:09	1
Acetone	23	F1 F2	23		ug/Kg	*	08/28/15 15:59	08/29/15 01:09	1
Benzene	ND	F2	5.8	0.29		335	08/28/15 15:59	08/29/15 01:09	1
Bromodichloromethane	ND	F2	5.8	0.29		**	08/28/15 15:59	08/29/15 01:09	1
Bromoform	ND	F2	5.8	0.43	ug/Kg	鉄	08/28/15 15:59	08/29/15 01:09	1
Bromomethane	ND		12		ug/Kg	**	08/28/15 15:59	08/29/15 01:09	1
Carbon disulfide	ND		5.8		ug/Kg	**	08/28/15 15:59	08/29/15 01:09	1
Carbon tetrachloride	ND	F2	5.8	0.59		*	08/28/15 15:59	08/29/15 01:09	1
Chlorobenzene	ND	F2	5.8	0.44	ug/Kg	**	08/28/15 15:59	08/29/15 01:09	1
Chlorodibromomethane	ND	F2	5.8		ug/Kg	*	08/28/15 15:59	08/29/15 01:09	1
Chloroethane	ND	F2	12	0.60	ug/Kg	900	08/28/15 15:59	08/29/15 01:09	1
Chloroform	ND	F2	5.8	0.44		*	08/28/15 15:59	08/29/15 01:09	- 4
Chloromethane	ND	F2	12	0.75	ug/Kg	328	08/28/15 15:59	08/29/15 01:09	1
cis-1,2-Dichloroethene	ND	F2	5.8	0.69	ug/Kg	**	08/28/15 15:59	08/29/15 01:09	1
Ethylbenzene	ND		5.8		ug/Kg	30	08/28/15 15:59	08/29/15 01:09	1
Hexachlorobutadiene	ND		5.8		ug/Kg	Ø	08/28/15 15:59	08/29/15 01:09	1
Isobutyl alcohol	ND	F2	230	29	ug/Kg	335	08/28/15 15:59	08/29/15 01:09	4
Methyl tert-butyl ether	ND	F2	5.8	0.55	ug/Kg	*	08/28/15 15:59	08/29/15 01:09	1
Methylene Chloride	ND	F2	5.8		ug/Kg	**	08/28/15 15:59	08/29/15 01:09	1
Styrene	ND		5.8	0.40		**	08/28/15 15:59	08/29/15 01:09	1
Tetrachloroethene	ND		5.8	0.37		122	08/28/15 15:59	08/29/15 01:09	1
Toluene	ND		5.8	0.81		100	08/28/15 15:59	08/29/15 01:09	1
trans-1,2-Dichloroethene	ND		5.8	1.1	0.70	12	08/28/15 15:59	08/29/15 01:09	1
Trichloroethene	ND	F2	5.8		ug/Kg	**	08/28/15 15:59	08/29/15 01:09	1
Trichlorofluoromethane	ND	F2	5.8		ug/Kg	12	08/28/15 15:59	08/29/15 01:09	1
Vinyl chloride	ND	F2	5.8			*	08/28/15 15:59	08/29/15 01:09	1
Xylenes, Total	ND	F2	12		ug/Kg	鉄		08/29/15 01:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
ourrogute	Minecovery	danine	Lillies				ricparca	rinaryzou	will I did

TestAmerica St. Louis

08/28/15 15:59 08/29/15 01:09

63 - 150

97

Client: SEMS, Inc.

Project/Site: Camp Minden Baseline Project

Client Sample ID: 2015 08 18 F7.5 Lab Sample ID: 160-13469-41

Date Collected: 08/18/15 14:00 Matrix: Solid Date Received: 08/20/15 09:15 Percent Solids: 91.9

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	94		70 - 126	08/28/15 15:59	08/29/15 01:09	1
Toluene-d8 (Surr)	100		80 - 120	08/28/15 15:59	08/29/15 01:09	1

Toluene-d8 (Surr)	100		80 - 120				08/28/15 15:59	08/29/15 01:09	1
Method: 8270D - Semivolati			Control of the Control				2.00 0.00		
Analyte		Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		360	36		*	08/31/15 13:01		1
1,2,4,5-Tetrachlorobenzene	ND	2.	360	36		*	08/31/15 13:01		1
1,2,4-Trichlorobenzene	ND	F1	360	36		***	08/31/15 13:01		-1
1,2-Dichlorobenzene	ND		360	36		**	08/31/15 13:01	네이지하는 수업이 매치 그렇게 다니다.	1
1,3-Dichlorobenzene	ND		360	36		***	08/31/15 13:01		1
1,3-Dinitrobenzene	ND		360	36		***	08/31/15 13:01		1
1,4-Dichlorobenzene	ND		360	36		D	08/31/15 13:01		1
2,3,4,6-Tetrachlorophenol	ND		1700	36		*	08/31/15 13:01		1
2,4,5-Trichlorophenol	ND		360	36		***	08/31/15 13:01		1
2,4,6-Trichlorophenol	ND		360	36	-	**		09/04/15 16:37	1
2,4-Dichlorophenol	ND		360	36		**	08/31/15 13:01	09/04/15 16:37	1
2,4-Dimethylphenol	ND		360	36	ug/Kg	**	08/31/15 13:01	09/04/15 16:37	1
2,4-Dinitrophenol	ND	*	1700	360	ug/Kg	**	08/31/15 13:01	09/04/15 16:37	1
2,4-Dinitrotoluene	ND		360	36	ug/Kg	**	08/31/15 13:01	09/04/15 16:37	1
2,6-Dinitrotoluene	ND		360	36	ug/Kg	**	08/31/15 13:01	09/04/15 16:37	1
2-Chloronaphthalene	ND		360	36	ug/Kg	**	08/31/15 13:01	09/04/15 16:37	9
2-Chlorophenol	ND		360	36	ug/Kg	拉	08/31/15 13:01	09/04/15 16:37	1
2-Methylnaphthalene	ND		360	36	ug/Kg	305	08/31/15 13:01	09/04/15 16:37	1
2-Nitroaniline	ND		360	36	ug/Kg	*	08/31/15 13:01	09/04/15 16:37	1
3,3'-Dichlorobenzidine	ND		1700	360	ug/Kg	335	08/31/15 13:01	09/04/15 16:37	1
3-Nitroaniline	ND		360	36	ug/Kg	*	08/31/15 13:01	09/04/15 16:37	1
4-Nitroaniline	ND		1700	360	ug/Kg	**	08/31/15 13:01	09/04/15 16:37	1
4-Nitrophenol	ND		1700	360	ug/Kg	*	08/31/15 13:01	09/04/15 16:37	1
Acenaphthene	ND		360	36	ug/Kg	305	08/31/15 13:01	09/04/15 16:37	1
Acenaphthylene	ND		360	36	ug/Kg	**	08/31/15 13:01	09/04/15 16:37	1
Aniline	ND		360	65	ug/Kg	335	08/31/15 13:01	09/04/15 16:37	1
Anthracene	ND		360	36	ug/Kg	*	08/31/15 13:01	09/04/15 16:37	1
Benzo[a]anthracene	ND		360	36	ug/Kg	**	08/31/15 13:01	09/04/15 16:37	1
Benzo[a]pyrene	ND		360	36	ug/Kg	**	08/31/15 13:01	09/04/15 16:37	1
Benzo[b]fluoranthene	ND		360	36	ug/Kg	**	08/31/15 13:01	09/04/15 16:37	1
Benzo[k]fluoranthene	ND		360		ug/Kg	*	08/31/15 13:01		1
bis (2-chloroisopropyl) ether	ND		360	36	ug/Kg	欽	08/31/15 13:01	09/04/15 16:37	1
Bis(2-chloroethyl)ether	ND		360			**	08/31/15 13:01	09/04/15 16:37	1
Bis(2-ethylhexyl) phthalate	ND		360		ug/Kg	***	08/31/15 13:01	09/04/15 16:37	1
Butyl benzyl phthalate	ND		360		ug/Kg	325	08/31/15 13:01		1
Chrysene	ND		360		ug/Kg	305	08/31/15 13:01		1
Dibenz(a,h)anthracene	ND		360		ug/Kg	**	08/31/15 13:01	09/04/15 16:37	1
Dibenzofuran	ND		360		ug/Kg	**		09/04/15 16:37	1
Diethyl phthalate	ND		360		ug/Kg	300	08/31/15 13:01	09/04/15 16:37	1
Dimethyl phthalate	ND		360		ug/Kg	**	08/31/15 13:01	09/04/15 16:37	1
Di-n-butyl phthalate	ND		360			*	08/31/15 13:01	09/04/15 16:37	1
Di-n-octyl phthalate	ND		360		and the second second	100	08/31/15 13:01	09/04/15 16:37	1
Diphenylamine	ND		360		ug/Kg	*	08/31/15 13:01	09/04/15 16:37	1
Fluoranthene	ND		360		ug/Kg	10	08/31/15 13:01		1
T. I. S. C.	110		000	30	agring	THE.	00/01/10 10:01	03/04/13 10.3/	

TestAmerica St. Louis

TestAmerica Job ID: 160-13469-1

Client: SEMS, Inc.

Project/Site: Camp Minden Baseline Project

Client Sample ID: 2015 08 18 F7.5

Date Collected: 08/18/15 14:00

Date Received: 08/20/15 09:15

TestAmerica Job ID: 160-13469-1

Lab Sample ID: 160-13469-41

Matrix: Solid

Percent Solids: 91.9

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	ND		360	36	ug/Kg	**	08/31/15 13:01	09/04/15 16:37	1
Hexachlorobenzene	ND		360	36	ug/Kg	**	08/31/15 13:01	09/04/15 16:37	1
Hexachlorobutadiene	ND	* F1	360	36	ug/Kg	**	08/31/15 13:01	09/04/15 16:37	1
Hexachlorocyclopentadiene	ND	F1	1700	360	ug/Kg	拉	08/31/15 13:01	09/04/15 16:37	1
Hexachloroethane	ND		360	36	ug/Kg	**	08/31/15 13:01	09/04/15 16:37	1
Indeno[1,2,3-cd]pyrene	ND		360	36	ug/Kg	**	08/31/15 13:01	09/04/15 16:37	1
Isophorone	ND		360	36	ug/Kg	尊	08/31/15 13:01	09/04/15 16:37	1
Naphthalene	ND		360	36	ug/Kg	袋	08/31/15 13:01	09/04/15 16:37	1
Nitrobenzene	ND		360	36	ug/Kg	Ċ.	08/31/15 13:01	09/04/15 16:37	1
N-Nitrosodi-n-propylamine	ND		360	36	ug/Kg	尊	08/31/15 13:01	09/04/15 16:37	1
Pentachlorophenol	ND		720	360	ug/Kg	袋	08/31/15 13:01	09/04/15 16:37	1
Phenanthrene	ND		360	36	ug/Kg	300	08/31/15 13:01	09/04/15 16:37	1
Phenol	ND		360	36	ug/Kg	**	08/31/15 13:01	09/04/15 16:37	1
Pyrene	ND		360	36	ug/Kg	*	08/31/15 13:01	09/04/15 16:37	1
N-Nitrosodiphenylamine	ND		360	36	ug/Kg	**	08/31/15 13:01	09/04/15 16:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	84		56 - 97				08/31/15 13:01	09/04/15 16:37	1
2-Fluorophenol (Surr)	70		53 - 97				08/31/15 13:01	09/04/15 16:37	1
Nitrobenzene-d5 (Surr)	73		55 - 98				08/31/15 13:01	09/04/15 16:37	1
Phenol-d5 (Surr)	70		54 - 101				08/31/15 13:01	09/04/15 16:37	1
Terphenyl-d14 (Surr)	75		58 - 123				08/31/15 13:01	09/04/15 16:37	1
2,4,6-Tribromophenol (Surr)	79		46-111				08/31/15 13:01	09/04/15 16:37	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trinitrobenzene	ND		250	27	ug/Kg	= =	08/24/15 08:40	08/30/15 03:33	1
1,3-Dinitrobenzene	ND		250	43	ug/Kg		08/24/15 08:40	08/30/15 03:33	1
2,4,6-Trinitrotoluene	ND		250	35	ug/Kg		08/24/15 08:40	08/30/15 03:33	1
2,4-Dinitrotoluene	ND	F1	250	37	ug/Kg		08/24/15 08:40	08/30/15 03:33	1
2,6-Dinitrotoluene	ND		250	63	ug/Kg		08/24/15 08:40	08/30/15 03:33	1
2-Amino-4,6-dinitrotoluene	ND		250	43	ug/Kg		08/24/15 08:40	08/30/15 03:33	1
4-Amino-2,6-dinitrotoluene	ND		250	93	ug/Kg		08/24/15 08:40	08/30/15 03:33	1
3-Nitrotoluene	ND		250	55	ug/Kg		08/24/15 08:40	08/30/15 03:33	1
Nitrobenzene	ND		250	43	ug/Kg		08/24/15 08:40	08/30/15 03:33	1
Nitroglycerin	ND		1200	270	ug/Kg		08/24/15 08:40	08/30/15 03:33	1
2-Nitrotoluene	ND		250	65	ug/Kg		08/24/15 08:40	08/30/15 03:33	1
4-Nitrotoluene	ND		250	81	ug/Kg		08/24/15 08:40	08/30/15 03:33	1
PETN	ND		2500	340	ug/Kg		08/24/15 08:40	08/30/15 03:33	1
RDX	ND		250	62	ug/Kg		08/24/15 08:40	08/30/15 03:33	1
HMX	ND		250	39	ug/Kg		08/24/15 08:40	08/30/15 03:33	1
Tetryl	ND		250	46	ug/Kg		08/24/15 08:40	08/30/15 03:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dinitrobenzene (Surr)	102	-	79 - 120				08/24/15 08:40	08/30/15 03:33	1

Client: SEMS, Inc.

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

Client Sample ID: 2015 08 18 DUP #04

Date Collected: 08/18/15 14:00 Date Received: 08/20/15 09:15

Lab Sample ID: 160-13469-42

Matrix: Solid Percent Solids: 91.0

Method: 8260C - Volatile O Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
1,1,1,2-Tetrachloroethane	ND		5.2	0.37	ug/Kg	***	08/28/15 17:43	08/29/15 00:44	
1,1,1-Trichloroethane	ND		5.2	0.45	ug/Kg	*	08/28/15 17:43	08/29/15 00:44	
1,1,2,2-Tetrachloroethane	ND		5.2	0.42	ug/Kg	*	08/28/15 17:43	08/29/15 00:44	
1,1,2-Trichloroethane	ND		5.2	0.60	ug/Kg	袋	08/28/15 17:43	08/29/15 00:44	
1,1-Dichloroethane	ND		5.2	0.41	ug/Kg	章	08/28/15 17:43	08/29/15 00:44	
1,1-Dichloroethene	ND		5,2	1.7	ug/Kg	*	08/28/15 17:43	08/29/15 00:44	1
1,2-Dibromo-3-Chloropropane	ND		10	1.5	ug/Kg	鉄	08/28/15 17:43	08/29/15 00:44	1
1,2-Dichloroethane	ND		5.2	0.91	ug/Kg	鉄	08/28/15 17:43	08/29/15 00:44	1
1,2-Dichloropropane	ND		5.2	0.40	ug/Kg	125	08/28/15 17:43	08/29/15 00:44	1
1,3-Dichloropropene, Total	ND		10	1.0	ug/Kg	to:	08/28/15 17:43	08/29/15 00:44	1
2-Butanone (MEK)	ND		21	2.0	ug/Kg	**	08/28/15 17:43	08/29/15 00:44	1
4-Methyl-2-pentanone (MIBK)	ND		21	0.76	ug/Kg	**	08/28/15 17:43	08/29/15 00:44	1
Acetone	23		21	6.8	ug/Kg	**	08/28/15 17:43	08/29/15 00:44	1
Benzene	ND		5.2		ug/Kg	**	08/28/15 17:43	08/29/15 00:44	1
Bromodichloromethane	ND		5.2		ug/Kg	**	08/28/15 17:43	08/29/15 00:44	1
Bromoform	ND		5.2		ug/Kg	*	08/28/15 17:43	08/29/15 00:44	1
Bromomethane	ND		10		ug/Kg	**	08/28/15 17:43	08/29/15 00:44	1
Carbon disulfide	ND		5.2		ug/Kg	*	08/28/15 17:43	08/29/15 00:44	1
Carbon tetrachloride	ND		5.2			**		08/29/15 00:44	1
Chlorobenzene	ND		5.2		ug/Kg	*		08/29/15 00:44	1
Chlorodibromomethane	ND		5.2		ug/Kg	**	08/28/15 17:43	08/29/15 00:44	1
Chloroethane	ND		10		ug/Kg	*		08/29/15 00:44	1
Chloroform	ND		5.2		ug/Kg	**		08/29/15 00:44	1
Chloromethane	ND		10		ug/Kg	*		08/29/15 00:44	1
cis-1,2-Dichloroethene	ND		5.2		ug/Kg	**		08/29/15 00:44	1
Ethylbenzene	ND		5.2		ug/Kg	*		08/29/15 00:44	1
Hexachlorobutadiene	ND		5.2		ug/Kg	335		08/29/15 00:44	1
Isobutyl alcohol	ND		210	27	ug/Kg	章		08/29/15 00:44	1
Methyl tert-butyl ether	ND		5.2		ug/Kg	*		08/29/15 00:44	1
Methylene Chloride	ND		5.2		ug/Kg	*		08/29/15 00:44	1
Styrene	ND		5.2		ug/Kg	335			1
Tetrachloroethene	ND		5.2		ug/Kg	*		08/29/15 00:44	1
Toluene	ND		5.2		ug/Kg	**	08/28/15 17:43		1
trans-1,2-Dichloroethene	ND		5.2		ug/Kg	**		08/29/15 00:44	1
Trichloroethene	ND		5.2		ug/Kg	**	08/28/15 17:43		9
Trichlorofluoromethane	ND		5.2		ug/Kg		08/28/15 17:43		à
Vinyl chloride	ND		5.2		ug/Kg	- 1	08/28/15 17:43		4
Xylenes, Total	ND		10		ug/Kg		08/28/15 17:43		9
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		72 - 127				08/28/15 17:43	08/29/15 00:44	1
4-Bromofluorobenzene (Surr)	96		63 - 150					08/29/15 00:44	1
Dibromofluoromethane (Surr)	100		70 - 126				08/28/15 17:43		1
	19617		V 3 1 9 2 3						

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

99

Toluene-d8 (Surr)

Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND	360	36	ug/Kg	107	08/31/15 13:01	09/04/15 18:16	1
1,2,4,5-Tetrachlorobenzene	ND	360	36	ug/Kg	10	08/31/15 13:01	09/04/15 18:16	1
1,2,4-Trichlorobenzene	ND	360	36	ug/Kg	*	08/31/15 13:01	09/04/15 18:16	1

80-120

TestAmerica St. Louis

08/28/15 17:43 08/29/15 00:44

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

Client Sample ID: 2015 08 18 DUP #04

Date Collected: 08/18/15 14:00 Date Received: 08/20/15 09:15 Lab Sample ID: 160-13469-42 Matrix: Solid

Percent Solids: 91.0

Analyte	Result Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND	360	36	ug/Kg	**	08/31/15 13:01	09/04/15 18:16	1
1,3-Dichlorobenzene	ND	360	36	ug/Kg	*	08/31/15 13:01	09/04/15 18:16	7
1,3-Dinitrobenzene	ND	360	36	ug/Kg	*	08/31/15 13:01	09/04/15 18:16	
1,4-Dichlorobenzene	ND	360	36	ug/Kg	*	08/31/15 13:01	09/04/15 18:16	1
2,3,4,6-Tetrachlorophenol	ND	1700	36	ug/Kg	**	08/31/15 13:01	09/04/15 18:16	1
2,4,5-Trichlorophenol	ND	360	36	ug/Kg	尊	08/31/15 13:01	09/04/15 18:16	1
2,4,6-Trichlorophenol	ND	360	36	ug/Kg	**	08/31/15 13:01	09/04/15 18:16	
2,4-Dichlorophenol	ND	360	36	ug/Kg	数	08/31/15 13:01	09/04/15 18:16	
2,4-Dimethylphenol	ND	360	36	ug/Kg	**	08/31/15 13:01	09/04/15 18:16	
2,4-Dinitrophenol	ND *	1700	360	ug/Kg	*	08/31/15 13:01	09/04/15 18:16	· ·
2,4-Dinitrotoluene	ND	360	36	ug/Kg	**	08/31/15 13:01	09/04/15 18:16	
2,6-Dinitrotoluene	ND	360	36	ug/Kg	*	08/31/15 13:01	09/04/15 18:16	
2-Chloronaphthalene	ND	360	36	ug/Kg	ø	08/31/15 13:01	09/04/15 18:16	
2-Chlorophenol	ND	360	36	ug/Kg	*	08/31/15 13:01	09/04/15 18:16	
2-Methylnaphthalene	ND	360	36	ug/Kg	**	08/31/15 13:01	09/04/15 18:16	
2-Nitroaniline	ND	360	36	ug/Kg	*	08/31/15 13:01	09/04/15 18:16	
3,3'-Dichlorobenzidine	ND	1700		ug/Kg	D	08/31/15 13:01	09/04/15 18:16	
3-Nitroaniline	ND	360	36	ug/Kg	**	08/31/15 13:01	09/04/15 18:16	
4-Nitroaniline	ND	1700	360	ug/Kg	ø	08/31/15 13:01	09/04/15 18:16	
4-Nitrophenol	ND	1700	360	ug/Kg	**	08/31/15 13:01		
Acenaphthene	ND	360	36	ug/Kg	**	08/31/15 13:01		
Acenaphthylene	ND	360	36	ug/Kg	**	08/31/15 13:01		
Aniline	ND	360	65	V. 2 V. 7	*	08/31/15 13:01	09/04/15 18:16	
Anthracene	ND	360	36	ug/Kg	**	08/31/15 13:01		
Benzo[a]anthracene	ND	360	36	ug/Kg	*	08/31/15 13:01		
	ND	360	36		*			
Benzo[a]pyrene	ND	360		ug/Kg	Q.	08/31/15 13:01	네용하다가 하지 않아 없다.	
Benzo[b]fluoranthene			36	ug/Kg	32°	08/31/15 13:01		
Benzo[k]fluoranthene	ND	360	36	ug/Kg	**	08/31/15 13:01		
ois (2-chloroisopropyl) ether	ND	360	36		***	08/31/15 13:01	09/04/15 18:16	
Bis(2-chloroethyl)ether	ND	360	36	ug/Kg	***	08/31/15 13:01	09/04/15 18:16	
Bis(2-ethylhexyl) phthalate	ND	360	49	ug/Kg	100	08/31/15 13:01	09/04/15 18:16	
Butyl benzyl phthalate	ND	360	36	ug/Kg	***	08/31/15 13:01	09/04/15 18:16	
Chrysene	ND	360	36	ug/Kg	***	08/31/15 13:01	09/04/15 18:16	
Dibenz(a,h)anthracene	ND	360	36	ug/Kg	**	08/31/15 13:01	09/04/15 18:16	
Dibenzofuran	ND	360		ug/Kg	₩.		09/04/15 18:16	
Diethyl phthalate	ND	360	36	ug/Kg	**	08/31/15 13:01	09/04/15 18:16	
Dimethyl phthalate	ND	360		ug/Kg	*	08/31/15 13:01		
Di-n-butyl phthalate	ND	360	36	ug/Kg	拉	08/31/15 13:01	09/04/15 18:16	
Di-n-octyl phthalate	ND	360	36	ug/Kg	*	08/31/15 13:01	09/04/15 18:16	
Diphenylamine	ND	360	36	ug/Kg	100	08/31/15 13:01	09/04/15 18:16	
Fluoranthene	ND	360	36	ug/Kg	*	08/31/15 13:01	09/04/15 18:16	
Fluorene	ND	360	36	ug/Kg	305	08/31/15 13:01	09/04/15 18:16	
Hexachlorobenzene	ND	360	36	ug/Kg	尊	08/31/15 13:01	09/04/15 18:16	
Hexachlorobutadiene	ND *	360	36		*	08/31/15 13:01	09/04/15 18:16	
Hexachlorocyclopentadiene	ND	1700		ug/Kg	*	08/31/15 13:01	09/04/15 18:16	
Hexachloroethane	ND	360		ug/Kg	*	08/31/15 13:01		
ndeno[1,2,3-cd]pyrene	ND	360			*	08/31/15 13:01		
Isophorone	ND	360		ug/Kg	3\$	08/31/15 13:01		
Naphthalene	ND	360		ug/Kg	*	08/31/15 13:01		

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

The self-time of the second of

TestAmerica Job ID: 160-13469-1

Client Sample ID: 2015 08 18 DUP #04

Date Collected: 08/18/15 14:00 Date Received: 08/20/15 09:15 Lab Sample ID: 160-13469-42 Matrix: Solid

Percent Solids: 91.0

Method: 8270D - Semivolatile (Organic Compounds	(GC/MS) (Continued)
Ameliaka	B - 14 B - 116	

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	ND		360	36	ug/Kg	7	08/31/15 13:01	09/04/15 18:16	1
N-Nitrosodi-n-propylamine	ND		360	36	ug/Kg	335	08/31/15 13:01	09/04/15 18:16	1
Pentachlorophenol	ND		720	360	ug/Kg	***	08/31/15 13:01	09/04/15 18:16	1
Phenanthrene	ND		360	36	ug/Kg	*	08/31/15 13:01	09/04/15 18:16	1
Phenol	ND		360	36	ug/Kg	**	08/31/15 13:01	09/04/15 18:16	1
Pyrene	ND		360	36	ug/Kg	**	08/31/15 13:01	09/04/15 18:16	1
N-Nitrosodiphenylamine	ND		360	36	ug/Kg	*	08/31/15 13:01	09/04/15 18:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	90		56 - 97	08/31/15 13:01	09/04/15 18:16	1
2-Fluorophenol (Surr)	77		53 - 97	08/31/15 13:01	09/04/15 18:16	1
Nitrobenzene-d5 (Surr)	81		55 - 98	08/31/15 13:01	09/04/15 18:16	1
Phenol-d5 (Surr)	78		54 - 101	08/31/15 13:01	09/04/15 18:16	1
Terphenyl-d14 (Surr)	81		58 - 123	08/31/15 13:01	09/04/15 18:16	1
2,4,6-Tribromophenol (Surr)	89		46-111	08/31/15 13:01	09/04/15 18:16	1

Method:	8330B - Nitroaromatics	and Nitramines	(HPLC)
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Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trinitrobenzene	ND		250	27	ug/Kg		08/24/15 08:40	08/30/15 04:42	1
1,3-Dinitrobenzene	ND		250	43	ug/Kg		08/24/15 08:40	08/30/15 04:42	1
2,4,6-Trinitrotoluene	ND		250	35	ug/Kg		08/24/15 08:40	08/30/15 04:42	1
2,4-Dinitrotoluene	ND		250	37	ug/Kg		08/24/15 08:40	08/30/15 04:42	1
2,6-Dinitrotoluene	ND		250	62	ug/Kg		08/24/15 08:40	08/30/15 04:42	1
2-Amino-4,6-dinitrotoluene	ND		250	42	ug/Kg		08/24/15 08:40	08/30/15 04:42	1
4-Amino-2,6-dinitrotoluene	ND		250	91	ug/Kg		08/24/15 08:40	08/30/15 04:42	1
3-Nitrotoluene	ND		250	55	ug/Kg		08/24/15 08:40	08/30/15 04:42	1
Nitrobenzene	ND		250	42	ug/Kg		08/24/15 08:40	08/30/15 04:42	1
Nitroglycerin	ND		1200	260	ug/Kg		08/24/15 08:40	08/30/15 04:42	1
2-Nitrotoluene	ND		250	64	ug/Kg		08/24/15 08:40	08/30/15 04:42	1
4-Nitrotoluene	ND		250	80	ug/Kg		08/24/15 08:40	08/30/15 04:42	1
PETN	ND		2500	340	ug/Kg		08/24/15 08:40	08/30/15 04:42	1
RDX	ND		250	61	ug/Kg		08/24/15 08:40	08/30/15 04:42	1
HMX	ND		250	38	ug/Kg		08/24/15 08:40	08/30/15 04:42	1
Tetryl	ND		250	45	ug/Kg		08/24/15 08:40	08/30/15 04:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dinitrobenzene (Surr)	103		79 - 120				08/24/15 08:40	08/30/15 04:42	1

Client Sample ID: 2015 08 19 TRIP BLK 01

Date Collected: 08/19/15 00:00 Date Received: 08/20/15 09:15 Lab Sample ID: 160-13469-43

Matrix: Water

Dil Fac

Method: 8260C - Vola	itile Organic Compo	ic Compounds by GC/MS						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed
Acetone	11	J	20	6.7	ug/L			08/24/15 19:17
Benzene	ND		5.0	0.25	ug/L			08/24/15 19:17
Bromoform	ND		5.0	0.37	ua/L			08/24/15 19:17

08/24/15 19:17 Bromodichloromethane ND 5.0 0.25 ug/L 08/24/15 19:17 Bromomethane ND 10 0.40 ug/L 08/24/15 19:17 2-Butanone (MEK) ND 20 0.39 ug/L 08/24/15 19:17

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

Client Sample ID: 2015 08 19 TRIP BLK 01

Date Collected: 08/19/15 00:00

Date Received: 08/20/15 09:15

Lab Sample ID: 160-13469-43

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		5.0	0.37	ug/L			08/24/15 19:17	1
Carbon tetrachloride	ND		5.0	0.36	ug/L			08/24/15 19:17	1
Chlorobenzene	ND		5.0	0.38	ug/L			08/24/15 19:17	1
Chlorodibromomethane	ND		5.0	0.33	ug/L			08/24/15 19:17	1
Chloroethane	ND		10	0.38	ug/L			08/24/15 19:17	1
Chloroform	ND		5.0	0.15	ug/L			08/24/15 19:17	1
Chloromethane	ND		10	0.55	ug/L			08/24/15 19:17	1
1,2-Dibromo-3-Chloropropane	ND		10	1.2	ug/L			08/24/15 19:17	1
1,1-Dichloroethane	ND		5.0	0.39	ug/L			08/24/15 19:17	1
1,2-Dichloroethane	ND		5.0	0.37	ug/L			08/24/15 19:17	1
cis-1,2-Dichloroethene	ND		5.0	0.16	ug/L			08/24/15 19:17	1
trans-1,2-Dichloroethene	ND		5.0	0.18	ug/L			08/24/15 19:17	1
1,1-Dichloroethene	ND		5.0	0.37	ug/L			08/24/15 19:17	1
1,2-Dichloropropane	ND		5.0	0.32	ug/L			08/24/15 19:17	1
Ethylbenzene	ND		5.0	0.30	ug/L			08/24/15 19:17	1
Hexachlorobutadiene	ND		5.0	0.25	ug/L			08/24/15 19:17	1
Isobutyl alcohol	ND		200	7.3	ug/L			08/24/15 19:17	1
Methylene Chloride	ND		5.0	1.7	ug/L			08/24/15 19:17	1
4-Methyl-2-pentanone (MIBK)	ND		20	0.33	ug/L			08/24/15 19:17	1
Methyl tert-butyl ether	ND		5.0	0.40	ug/L			08/24/15 19:17	1
Trichlorofluoromethane	ND		5.0	0.22	ug/L			08/24/15 19:17	1
Trichloroethene	0.51	JB	5.0	0.29	ug/L			08/24/15 19:17	1
1,1,1-Trichloroethane	ND		5.0	0.29	ug/L			08/24/15 19:17	1
Vinyl chloride	ND		5.0	0.43	ug/L			08/24/15 19:17	1
1,1,1,2-Tetrachloroethane	ND		5.0	0.25	ug/L			08/24/15 19:17	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	ug/L			08/24/15 19:17	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/L			08/24/15 19:17	1
Styrene	ND		5.0	0.35	ug/L			08/24/15 19:17	1
Tetrachloroethene	ND		5.0	0.28	ug/L			08/24/15 19:17	1
Toluene	ND		5.0	1.0	ug/L			08/24/15 19:17	1
Xylenes, Total	ND		10	0.85	ug/L			08/24/15 19:17	1
1,3-Dichloropropene, Total	ND		10	0.69	ug/L			08/24/15 19:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		78 - 127				- 17 7 7 7	08/24/15 19:17	1
4-Bromofluorobenzene (Surr)	97		75 - 123					08/24/15 19:17	1
Dibromofluoromethane (Surr)	98		80 - 120					08/24/15 19:17	1
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Client Sample ID: 2015 08 19 TRIP BLK 02

Date Collected: 08/19/15 00:00

Date Received: 08/20/15 09:15

Toluene-d8 (Surr)

Lab Sample ID: 160-13469-44

08/24/15 19:17

Matrix: Water

Method: 8260C -	Volatile	Organic	Compounds I	by GC/MS
Analida		A 100	Desuit Ovelle	(T

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ganic Compounds by GC Result Qualifier		MDL	Unit	D	Prepared	Analyzed	Dil Fac
12 J	20	6.7	ug/L		110000	08/24/15 19:42	1
ND	5.0	0.25	ug/L			08/24/15 19:42	1
ND	5.0	0.37	ug/L			08/24/15 19:42	1
ND	5.0	0.25	ug/L			08/24/15 19:42	1
ND	10	0.40	ug/L			08/24/15 19:42	1
	Result Qualifier 12 J ND ND ND	Result Qualifier RL 12 J 20 ND 5.0 ND 5.0 ND 5.0	Result Qualifier RL MDL 12 J 20 6.7 ND 5.0 0.25 ND 5.0 0.37 ND 5.0 0.25	Result Qualifier RL MDL Unit 12 J 20 6.7 ug/L ND 5.0 0.25 ug/L ND 5.0 0.37 ug/L ND 5.0 0.25 ug/L	Result Qualifier RL MDL Unit D	Result 12 Qualifier RL MDL unit D Prepared 12 J 20 6.7 ug/L ND 5.0 0.25 ug/L ND 5.0 0.37 ug/L ND 5.0 0.25 ug/L	12 J 20 6.7 ug/L 08/24/15 19:42 ND 5.0 0.25 ug/L 08/24/15 19:42 ND 5.0 0.37 ug/L 08/24/15 19:42 ND 5.0 0.25 ug/L 08/24/15 19:42 ND 5.0 0.25 ug/L 08/24/15 19:42

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Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

Client Sample ID: 2015 08 19 TRIP BLK 02

Date Collected: 08/19/15 00:00 Date Received: 08/20/15 09:15 Lab Sample ID: 160-13469-44

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		20	0.39	ug/L			08/24/15 19:42	1
Carbon disulfide	ND		5.0	0.37	ug/L			08/24/15 19:42	1
Carbon tetrachloride	ND		5.0	0.36	ug/L			08/24/15 19:42	1
Chlorobenzene	ND		5.0	0.38	ug/L			08/24/15 19:42	1
Chlorodibromomethane	ND		5.0	0.33	ug/L			08/24/15 19:42	1
Chloroethane	ND		10	0.38	ug/L			08/24/15 19:42	1
Chloroform	ND		5.0	0.15	ug/L			08/24/15 19:42	1
Chloromethane	ND		10	0.55	ug/L			08/24/15 19:42	1
1,2-Dibromo-3-Chloropropane	ND		10	1.2	ug/L			08/24/15 19:42	1
1,1-Dichloroethane	ND		5.0		ug/L			08/24/15 19:42	1
1,2-Dichloroethane	ND		5.0	0.37				08/24/15 19:42	1
cis-1,2-Dichloroethene	ND		5.0	0.16	0.000			08/24/15 19:42	1
trans-1,2-Dichloroethene	ND		5.0	0.18				08/24/15 19:42	1
1,1-Dichloroethene	ND		5.0	0.37				08/24/15 19:42	1
1,2-Dichloropropane	ND		5.0	0.32				08/24/15 19:42	1
Ethylbenzene	ND		5.0	0.30				08/24/15 19:42	1
Hexachlorobutadiene	ND		5.0	0.25	ug/L			08/24/15 19:42	1
Isobutyl alcohol	ND		200		ug/L			08/24/15 19:42	1
Methylene Chloride	ND		5.0	1.7	ug/L			08/24/15 19:42	1
4-Methyl-2-pentanone (MIBK)	ND		20	0.33				08/24/15 19:42	1
Methyl tert-butyl ether	ND		5.0	0.40				08/24/15 19:42	1
Trichlorofluoromethane	ND		5.0	0.22				08/24/15 19:42	1
Trichloroethene	0.71	JB	5.0	0.29	ug/L			08/24/15 19:42	1
1,1,1-Trichloroethane	ND		5.0	0.29				08/24/15 19:42	1
Vinyl chloride	ND		5.0	0.43				08/24/15 19:42	1
1,1,1,2-Tetrachloroethane	ND		5.0	0.25				08/24/15 19:42	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.43				08/24/15 19:42	1
1,1,2-Trichloroethane	ND		5.0	0.57				08/24/15 19:42	1
Styrene	ND		5.0	0.35				08/24/15 19:42	1
Tetrachloroethene	ND		5.0	0.28				08/24/15 19:42	1
Toluene	ND		5.0		ug/L			08/24/15 19:42	1
Xylenes, Total	ND		10	0.85				08/24/15 19:42	1
1,3-Dichloropropene, Total	ND		10	0.69	the state of the s			08/24/15 19:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		78 - 127			_		08/24/15 19:42	1
4-Bromofluorobenzene (Surr)	96		75 - 123					08/24/15 19:42	1
Dibromofluoromethane (Surr)	98		80 - 120					08/24/15 19:42	1

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1,2-Dichloroethane-d4 (Surr)	92		78 - 127		08/24/15 19:42	1
4-Bromofluorobenzene (Surr)	96		75 - 123		08/24/15 19:42	1
Dibromofluoromethane (Surr)	98		80 - 120		08/24/15 19:42	1
Toluene-d8 (Surr)	104		80 - 120		08/24/15 19:42	1

Client Sample ID: 2015 08 19 TRIP BLK 03

Date Collected: 08/19/15 00:00 Date Received: 08/20/15 09:15

Lab Sample ID: 160-13469-45

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	16	J	20	6.7	ug/L	= 77		08/24/15 20:08	1
Benzene	ND		5.0	0.25	ug/L			08/24/15 20:08	1
Bromoform	ND		5.0	0.37	ug/L			08/24/15 20:08	1
Bromodichloromethane	ND		5.0	0.25	ug/L			08/24/15 20:08	1

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

Lab Sample ID: 160-13469-45

Matrix: Water

Client Sample ID: 2015 08 19 TRIP BLK 03

Date Collected: 08/19/15 00:00 Date Received: 08/20/15 09:15

Analyte		Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	ND		10	0.40	ug/L			08/24/15 20:08	1
2-Butanone (MEK)	ND		20	0.39	ug/L			08/24/15 20:08	1
Carbon disulfide	ND		5.0	0.37	ug/L			08/24/15 20:08	1
Carbon tetrachloride	ND		5.0	0.36	ug/L			08/24/15 20:08	. 9
Chlorobenzene	ND		5.0	0.38	ug/L			08/24/15 20:08	1
Chlorodibromomethane	ND		5.0	0.33	ug/L			08/24/15 20:08	1
Chloroethane	ND		10	0.38	ug/L			08/24/15 20:08	9
Chloroform	ND		5.0	0.15	ug/L			08/24/15 20:08	1
Chloromethane	ND		10	0.55	ug/L			08/24/15 20:08	1
1,2-Dibromo-3-Chloropropane	ND		10	1.2	ug/L			08/24/15 20:08	1
1,1-Dichloroethane	ND		5.0	0.39	ug/L			08/24/15 20:08	14
1,2-Dichloroethane	ND		5.0	0.37	ug/L			08/24/15 20:08	
cis-1,2-Dichloroethene	ND		5.0	0.16	ug/L			08/24/15 20:08	1 9
trans-1,2-Dichloroethene	ND		5.0	0.18	ug/L			08/24/15 20:08	1
1,1-Dichloroethene	ND		5.0	0.37	ug/L			08/24/15 20:08	1
1,2-Dichloropropane	ND		5.0	0.32	ug/L			08/24/15 20:08	1
Ethylbenzene	ND		5.0		ug/L			08/24/15 20:08	4
Hexachlorobutadiene	ND		5.0		ug/L			08/24/15 20:08	1
Isobutyl alcohol	ND		200	7.3	ug/L			08/24/15 20:08	
Methylene Chloride	ND		5.0	1.7	ug/L			08/24/15 20:08	1
4-Methyl-2-pentanone (MIBK)	ND		20	0.33	ug/L			08/24/15 20:08	1
Methyl tert-butyl ether	ND		5.0	0.40	ug/L			08/24/15 20:08	1
Trichlorofluoromethane	ND		5.0	0.22	ug/L			08/24/15 20:08	1
Trichloroethene	0.88	JB	5.0	0.29	ug/L			08/24/15 20:08	4
1,1,1-Trichloroethane	ND		5.0	0.29	ug/L			08/24/15 20:08	4
Vinyl chloride	ND		5.0	0.43	ug/L			08/24/15 20:08	1
1,1,1,2-Tetrachloroethane	ND		5.0	0.25	ug/L			08/24/15 20:08	
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	ug/L			08/24/15 20:08	
1,1,2-Trichloroethane	ND		5.0		ug/L			08/24/15 20:08	4
Styrene	ND		5.0		ug/L			08/24/15 20:08	1
Tetrachloroethene	ND		5.0		ug/L			08/24/15 20:08	1
Toluene	ND		5.0		ug/L			08/24/15 20:08	
Xylenes, Total	ND		10		ug/L			08/24/15 20:08	
1,3-Dichloropropene, Total	ND		10		ug/L			08/24/15 20:08	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1,2-Dichloroethane-d4 (Surr)	95		78 - 127					08/24/15 20:08	
4-Bromofluorobenzene (Surr)	101		75 - 123					08/24/15 20:08	
Dibromofluoromethane (Surr)	99		80 - 120					08/24/15 20:08	
Toluene-d8 (Surr)	104		80 - 120					08/24/15 20:08	

Client Sample ID: 2015 08 19 TRIP BLK 04

Date Collected: 08/19/15 00:00 Date Received: 08/20/15 09:15

Lab Sample ID: 160-13469-46

Matrix: Water

Analyte	Result	unds by GC/ Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	14	J	20	6.7	ug/L	= 50		08/24/15 20:33	1
Benzene	ND		5.0	0.25	ug/L			08/24/15 20:33	1
Bromoform	ND		5.0	0.37	ug/L			08/24/15 20:33	1

5.0

MDL Unit

0.25 ug/L

0.33 ug/L

0.40 ug/L

0.22 ug/L

0.29 ug/L

0.29 ug/L

0.43 ug/L

0.25 ug/L

0.43 ug/L

0.57 ug/L

0.35 ug/L

0.28 ug/L

1.0 ug/L

0.85 ug/L

Client: SEMS, Inc

Bromodichloromethane

4-Methyl-2-pentanone (MIBK)

Methyl tert-butyl ether

Trichlorofluoromethane

1,1,1-Trichloroethane

1,1,2-Trichloroethane

Tetrachloroethene

Xylenes, Total

1,1,1,2-Tetrachloroethane

1,1,2,2-Tetrachloroethane

Trichloroethene

Vinyl chloride

Styrene

Toluene

Analyte

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

Client Sample ID: 2015 08 19 TRIP BLK 04

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

Result Qualifier

ND

ND

ND

ND

0.84 JB

ND

ND

ND

ND

ND

ND

ND

ND

ND

Date Collected: 08/19/15 00:00 Date Received: 08/20/15 09:15 Lab Sample ID: 160-13469-46

Analyzed

08/24/15 20:33

08/24/15 20:33

08/24/15 20:33

08/24/15 20:33

08/24/15 20:33

08/24/15 20:33

08/24/15 20:33

08/24/15 20:33

08/24/15 20:33

08/24/15 20:33

08/24/15 20:33

08/24/15 20:33

08/24/15 20:33

08/24/15 20:33

Prepared

Matrix: Water

Dil Fac

Diditionaliano	IND	5.0	0.20	ug/L	00/24/10 20.00	- 1
Bromomethane	ND	10	0.40	ug/L	08/24/15 20:33	1
2-Butanone (MEK)	ND	20	0.39	ug/L	08/24/15 20:33	1
Carbon disulfide	ND	5.0	0.37	ug/L	08/24/15 20:33	1
Carbon tetrachloride	ND	5.0	0.36	ug/L	08/24/15 20:33	1
Chlorobenzene	ND	5.0	0.38	ug/L	08/24/15 20:33	1
Chlorodibromomethane	ND	5.0		ug/L	08/24/15 20:33	1
Chloroethane	ND	10	0.38	ug/L	08/24/15 20:33	1
Chloroform	ND	5.0	0.15	ug/L	08/24/15 20:33	1
Chloromethane	ND	10		ug/L	08/24/15 20:33	1
1,2-Dibromo-3-Chloropropane	ND	10	1.2	ug/L	08/24/15 20:33	1
1,1-Dichloroethane	ND	5.0		ug/L	08/24/15 20:33	1
1,2-Dichloroethane	ND	5.0	0.37	ug/L	08/24/15 20:33	1
cis-1,2-Dichloroethene	ND	5.0	0.16	ug/L	08/24/15 20:33	1
trans-1,2-Dichloroethene	ND	5.0	0.18	ug/L	08/24/15 20:33	1
1,1-Dichloroethene	ND	5.0	0.37	ug/L	08/24/15 20:33	1
1,2-Dichloropropane	ND	5.0	0.32	ug/L	08/24/15 20:33	1
Ethylbenzene	ND	5.0	0.30	ug/L	08/24/15 20:33	1
Hexachlorobutadiene	ND	5.0	0.25	ug/L	08/24/15 20:33	1
Isobutyl alcohol	ND	200	1000		08/24/15 20:33	1
Methylene Chloride	ND	5.0	1.7	ug/L	08/24/15 20:33	1
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1,3-Dichioropropene, Total	ИО		10	0.69 ug/L		08/24/15 20:33	1
Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		78 - 127			08/24/15 20:33	1
4-Bromofluorobenzene (Surr)	97		75 - 123			08/24/15 20:33	1
Dibromofluoromethane (Surr)	97		80 - 120			08/24/15 20:33	1
Toluene-d8 (Surr)	104		80 - 120			08/24/15 20:33	1

Client Sample ID: 2015 08 19 TRIP BLK 05

Date Collected: 08/19/15 00:00 Date Received: 08/20/15 09:15 Lab Sample ID: 160-13469-47

Matrix: Water

Method: 8260C - Volat	ile Organic Compo	unds by GC/	MS						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.8	J	20	6.7	ug/L			08/25/15 01:41	1
Benzene	ND		5.0	0.25	ug/L			08/25/15 01:41	1

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

Client Sample ID: 2015 08 19 TRIP BLK 05

Date Collected: 08/19/15 00:00

Date Received: 08/20/15 09:15

Lab Sample ID: 160-13469-47

Matrix: Water

Analyte	Result Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND	5.0	0.37	ug/L			08/25/15 01:41	1
Bromodichloromethane	ND	5.0	0.25	ug/L			08/25/15 01:41	1
Bromomethane	ND	10	0.40	ug/L			08/25/15 01:41	1
2-Butanone (MEK)	ND	20	0.39	ug/L			08/25/15 01:41	1
Carbon disulfide	ND	5.0	0.37	ug/L			08/25/15 01:41	1
Carbon tetrachloride	ND	5.0	0.36	ug/L			08/25/15 01:41	1
Chlorobenzene	ND	5.0	0.38	ug/L			08/25/15 01:41	1
Chlorodibromomethane	ND	5.0	0.33	ug/L			08/25/15 01:41	1
Chloroethane	ND	10	0.38	ug/L			08/25/15 01:41	1
Chloroform	ND	5.0	0.15	ug/L			08/25/15 01:41	1
Chloromethane	ND	10	0.55	ug/L			08/25/15 01:41	1
1,2-Dibromo-3-Chloropropane	ND	10	1.2	ug/L			08/25/15 01:41	1
1,1-Dichloroethane	ND	5.0	0.39	ug/L			08/25/15 01:41	1
1,2-Dichloroethane	ND	5.0	0.37	ug/L			08/25/15 01:41	1
cis-1,2-Dichloroethene	ND	5.0		ug/L			08/25/15 01:41	1
trans-1,2-Dichloroethene	ND	5.0		ug/L			08/25/15 01:41	1
1,1-Dichloroethene	ND	5.0	0.37	ug/L			08/25/15 01:41	1
1,2-Dichloropropane	ND	5.0		ug/L			08/25/15 01:41	1
Ethylbenzene	ND	5.0	0.30	ug/L			08/25/15 01:41	1
Hexachlorobutadiene	ND	5.0		ug/L			08/25/15 01:41	1
sobutyl alcohol	ND	200		ug/L			08/25/15 01:41	1
Methylene Chloride	ND	5.0		ug/L			08/25/15 01:41	1
4-Methyl-2-pentanone (MIBK)	ND	20		ug/L			08/25/15 01:41	1
Methyl tert-butyl ether	ND	5.0		ug/L			08/25/15 01:41	1
Trichlorofluoromethane	ND	5.0		ug/L			08/25/15 01:41	1
Trichloroethene	ND	5.0		ug/L			08/25/15 01:41	1
1,1,1-Trichloroethane	ND	5.0		ug/L			08/25/15 01:41	1
Vinyl chloride	ND	5.0		ug/L			08/25/15 01:41	1
1,1,1,2-Tetrachloroethane	ND	5.0		ug/L			08/25/15 01:41	1
1,1,2,2-Tetrachloroethane	ND	5.0		ug/L			08/25/15 01:41	1
1,1,2-Trichloroethane	ND	5.0		ug/L			08/25/15 01:41	1
Styrene	ND	5.0		ug/L			08/25/15 01:41	1
Tetrachloroethene	ND	5.0		ug/L			08/25/15 01:41	1
Toluene	ND	5.0		ug/L			08/25/15 01:41	1
Xylenes, Total	ND	10		ug/L			08/25/15 01:41	1
1,3-Dichloropropene, Total	ND	10		ug/L			08/25/15 01:41	1
Surrogate	%Recovery Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98	78 - 127					08/25/15 01:41	1
	.777.							

Client Sample ID: 2015 08 19 TRIP BLK 06

93

97

100

Date Collected: 08/19/15 00:00 Date Received: 08/20/15 09:15

4-Bromofluorobenzene (Surr)

Dibromofluoromethane (Surr)

Toluene-d8 (Surr)

Lab Sample ID: 160-13469-48

08/25/15 01:41

08/25/15 01:41

08/25/15 01:41

Matrix: Water

Method: 8260C - Volat	ile Organic Compo	unds by GC/	MS						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.5	J	20	6.7	ug/L			08/25/15 02:06	1

75-123

80 - 120

80 - 120

Client: SEMS, Inc.

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

Client Sample ID: 2015 08 19 TRIP BLK 06

Date Collected: 08/19/15 00:00 Date Received: 08/20/15 09:15 Lab Sample ID: 160-13469-48

Analyte	Result Qua	lifier RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	5.0	0.25	ug/L			08/25/15 02:06	
Bromoform	ND	5.0	0.37	ug/L			08/25/15 02:06	. 1
Bromodichloromethane	ND	5.0	0.25	ug/L			08/25/15 02:06	1
Bromomethane	ND	10	0.40	ug/L			08/25/15 02:06	1
2-Butanone (MEK)	ND	20	0.39	ug/L			08/25/15 02:06	1
Carbon disulfide	ND	5.0	0.37	ug/L			08/25/15 02:06	1
Carbon tetrachloride	ND	5.0		ug/L			08/25/15 02:06	1
Chlorobenzene	ND	5.0	0.38	ug/L			08/25/15 02:06	1
Chlorodibromomethane	ND	5.0	0.33	2772			08/25/15 02:06	1
Chloroethane	ND	10	0.38				08/25/15 02:06	1
Chloroform	ND	5.0	0.15				08/25/15 02:06	1
Chloromethane	ND	10	0.55				08/25/15 02:06	1
1,2-Dibromo-3-Chloropropane	ND	10		ug/L			08/25/15 02:06	1
1,1-Dichloroethane	ND	5.0	0.39				08/25/15 02:06	1
1,2-Dichloroethane	ND	5.0	0.37				08/25/15 02:06	1
cis-1,2-Dichloroethene	ND	5.0	0.16				08/25/15 02:06	1
trans-1,2-Dichloroethene	ND	5.0	0.18				08/25/15 02:06	4
1,1-Dichloroethene	ND	5.0	0.37	10 miles			08/25/15 02:06	1
1,2-Dichloropropane	ND	5.0	0.32				08/25/15 02:06	1
Ethylbenzene	ND	5.0	0.30				08/25/15 02:06	1
Hexachlorobutadiene	ND	5.0	0.25	U			08/25/15 02:06	4
Isobutyl alcohol	ND	200		ug/L			08/25/15 02:06	1
Methylene Chloride	ND	5.0		ug/L			08/25/15 02:06	1
4-Methyl-2-pentanone (MIBK)	ND	20	0.33				08/25/15 02:06	1
Methyl tert-butyl ether	ND	5.0		ug/L			08/25/15 02:06	1
Trichlorofluoromethane	ND	5.0		ug/L			08/25/15 02:06	1
Trichloroethene	ND	5.0	0.29				08/25/15 02:06	1
1,1,1-Trichloroethane	ND	5.0		ug/L			08/25/15 02:06	1
Vinyl chloride	ND	5.0	0.43				08/25/15 02:06	9
1,1,1,2-Tetrachloroethane	ND	5.0	0.25				08/25/15 02:06	1
1,1,2,2-Tetrachloroethane	ND	5.0	0.43	-			08/25/15 02:06	1
1,1,2-Trichloroethane	ND	5.0	0.57	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			08/25/15 02:06	1
Styrene	ND	5.0	0.35				08/25/15 02:06	4
Tetrachloroethene	ND	5.0	0.28				08/25/15 02:06	4
Toluene	ND	5,0		ug/L			08/25/15 02:06	4
Xylenes, Total	ND	10	0.85				08/25/15 02:06	1
1,3-Dichloropropene, Total	ND	10	0.69				08/25/15 02:06	1
Surrogate	%Recovery Qua	lifler Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95	78 - 127			-	ALCOHOLD TO	08/25/15 02:06	1
4-Bromofluorobenzene (Surr)	94	75 - 123					08/25/15 02:06	1
Dibromofluoromethane (Surr)	96	80 - 120					08/25/15 02:06	1
Toluene-d8 (Surr)	104	80 - 120					08/25/15 02:06	1

Client: SEMS, Inc.

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

Client Sample ID: 2015 08 19 TRIP BLK 07

Date Collected: 08/19/15 00:00 Date Received: 08/20/15 09:15 Lab Sample ID: 160-13469-49

Method: 8260C - Volatile O Analyte	Result (RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	J	20	6.7	ug/L	= =		08/26/15 21:32	1
Benzene	ND		5.0	0.25	ug/L			08/26/15 21:32	1
Bromoform	ND		5.0	0.37	ug/L			08/26/15 21:32	1
Bromodichloromethane	ND		5.0	0.25	ug/L			08/26/15 21:32	1
Bromomethane	ND		10	0.40	ug/L			08/26/15 21:32	1
2-Butanone (MEK)	ND		20	0.39	ug/L			08/26/15 21:32	1
Carbon disulfide	ND		5.0	0.37	ug/L			08/26/15 21:32	1
Carbon tetrachloride	ND		5.0	0.36	ug/L			08/26/15 21:32	1
Chlorobenzene	ND		5.0	0.38	ug/L			08/26/15 21:32	1
Chlorodibromomethane	ND		5.0	0.33	ug/L			08/26/15 21:32	1
Chloroethane	ND		10	0.38	ug/L			08/26/15 21:32	1
Chloroform	ND		5.0		ug/L			08/26/15 21:32	1
Chloromethane	ND		10		ug/L			08/26/15 21:32	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/L			08/26/15 21:32	1
1,1-Dichloroethane	ND		5.0		ug/L			08/26/15 21:32	1
1,2-Dichloroethane	ND *	*	5.0	0.37	1.90			08/26/15 21:32	1
cis-1,2-Dichloroethene	ND		5.0		ug/L			08/26/15 21:32	1
trans-1,2-Dichloroethene	ND		5.0		ug/L			08/26/15 21:32	4
1,1-Dichloroethene	ND		5.0	0.37				08/26/15 21:32	1
1,2-Dichloropropane	ND		5.0		ug/L			08/26/15 21:32	4
Ethylbenzene	ND		5.0		ug/L			08/26/15 21:32	1
Hexachlorobutadiene	ND		5.0		ug/L			08/26/15 21:32	1
Isobutyl alcohol	ND		200		ug/L			08/26/15 21:32	4
Methylene Chloride	ND		5.0		ug/L			08/26/15 21:32	1
4-Methyl-2-pentanone (MIBK)	ND		20		ug/L			08/26/15 21:32	1
Methyl tert-butyl ether	ND		5.0		ug/L			08/26/15 21:32	1
Trichlorofluoromethane	ND		5.0		ug/L			08/26/15 21:32	4
Trichloroethene	ND		5.0		ug/L			08/26/15 21:32	1
1,1,1-Trichloroethane	ND		5.0		ug/L			08/26/15 21:32	4
Vinyl chloride	ND		5.0		ug/L			08/26/15 21:32	4
1,1,1,2-Tetrachloroethane	ND		5.0		ug/L			08/26/15 21:32	4
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			08/26/15 21:32	1
1,1,2-Trichloroethane	ND		5.0		1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -				1
	ND				ug/L			08/26/15 21:32 08/26/15 21:32	1
Styrene			5.0		ug/L			* STREET, N. T. T. STREET, N. T.	- 3
Tetrachloroethene	ND		5.0		ug/L			08/26/15 21:32	1
Toluene	ND		5.0		ug/L			08/26/15 21:32	1
Xylenes, Total	ND		10		ug/L			08/26/15 21:32	3
1,3-Dichloropropene, Total	ND		10	0.69	ug/L			08/26/15 21:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	87	71.74	78 - 127					08/26/15 21:32	1
4-Bromofluorobenzene (Surr)	97		75-123					08/26/15 21:32	1
Dibromofluoromethane (Surr)	97		80 - 120					08/26/15 21:32	1
Toluene-d8 (Surr)	103		80 - 120					08/26/15 21:32	1

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

Client Sample ID: 2015 08 19 TRIP BLK 08

Date Collected: 08/19/15 00:00 Date Received: 08/20/15 09:15 Lab Sample ID: 160-13469-50

Method: 8260C - Volatile O Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	6.7	ug/L			08/24/15 22:17	1
Benzene	ND		5.0	0.25	ug/L			08/24/15 22:17	1
Bromoform	ND		5.0	0.37	ug/L			08/24/15 22:17	1
Bromodichloromethane	ND		5.0		ug/L			08/24/15 22:17	1
Bromomethane	ND		10	0.40	ug/L			08/24/15 22:17	1
2-Butanone (MEK)	ND		20	0.39	ug/L			08/24/15 22:17	1
Carbon disulfide	ND		5.0	0.37	ug/L			08/24/15 22:17	1
Carbon tetrachloride	ND		5.0	0.36				08/24/15 22:17	1
Chlorobenzene	ND		5.0	0.38				08/24/15 22:17	1
Chlorodibromomethane	ND		5.0	0.33	ug/L			08/24/15 22:17	1
Chloroethane	ND		10	0.38				08/24/15 22:17	1
Chloroform	ND		5.0	0.15				08/24/15 22:17	1
Chloromethane	ND		10	0.55	- T			08/24/15 22:17	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/L			08/24/15 22:17	1
1,1-Dichloroethane	ND		5.0	0.39				08/24/15 22:17	1
1,2-Dichloroethane	ND		5.0	0.37				08/24/15 22:17	1
cis-1,2-Dichloroethene	ND		5.0	0.16				08/24/15 22:17	1
trans-1,2-Dichloroethene	ND		5.0	0.18				08/24/15 22:17	1
1,1-Dichloroethene	ND		5.0	0.37	The second second			08/24/15 22:17	1
1,2-Dichloropropane	ND		5.0	0.32				08/24/15 22:17	1
Ethylbenzene	ND		5.0	0.30	1,000			08/24/15 22:17	1
Hexachlorobutadiene	ND		5.0	0.25				08/24/15 22:17	1
Isobutyl alcohol	ND		200		ug/L			08/24/15 22:17	1
Methylene Chloride	ND		5.0		ug/L			08/24/15 22:17	4
4-Methyl-2-pentanone (MIBK)	ND		20	0.33				08/24/15 22:17	1
Methyl tert-butyl ether	ND		5.0		ug/L			08/24/15 22:17	1
Trichlorofluoromethane	ND		5.0	0.22				08/24/15 22:17	1
Trichloroethene	ND		5.0	0.29				08/24/15 22:17	1
1,1,1-Trichloroethane	ND		5.0	0.29	7			08/24/15 22:17	1
Vinyl chloride	ND		5.0	0.43				08/24/15 22:17	1
1,1,1,2-Tetrachloroethane	ND		5.0	0.25				08/24/15 22:17	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	- C			08/24/15 22:17	1
1,1,2-Trichloroethane	ND		5.0	0.57				08/24/15 22:17	1
Styrene	ND		5.0	0.35				08/24/15 22:17	1
Tetrachloroethene	ND		5.0	0.28				08/24/15 22:17	1
Toluene	ND		5.0		ug/L			08/24/15 22:17	1
Kylenes, Total	ND		10	0.85				08/24/15 22:17	1
1,3-Dichloropropene, Total	ND		10	0.69				08/24/15 22:17	1
Surrogate	%Recovery (Qualifier I	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		78 - 127			-		08/24/15 22:17	1
4-Bromofluorobenzene (Surr)	96		75 - 123					08/24/15 22:17	1
Dibromofluoromethane (Surr)	96		30 - 120					08/24/15 22:17	1
Toluene-d8 (Surr)	104		80 - 120					08/24/15 22:17	1

Client: SEMS, Inc.

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

Client Sample ID: 2015 08 19 TRIP BLK 09

Date Collected: 08/19/15 00:00 Date Received: 08/20/15 09:15 Lab Sample ID: 160-13469-51

Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac
Acetone	11	J	20	6.7	ug/L			08/24/15 22:42	1
Benzene	ND		5.0		ug/L			08/24/15 22:42	1
Bromoform	ND		5.0		ug/L			08/24/15 22:42	1
Bromodichloromethane	ND		5.0	0.25	ug/L			08/24/15 22:42	1
Bromomethane	ND		10		ug/L			08/24/15 22:42	1
2-Butanone (MEK)	ND		20	0.39	ug/L			08/24/15 22:42	1
Carbon disulfide	ND		5.0	0.37	ug/L			08/24/15 22:42	1
Carbon tetrachloride	ND		5.0	0.36	ug/L			08/24/15 22:42	1
Chlorobenzene	ND		5.0	0.38	ug/L			08/24/15 22:42	1
Chlorodibromomethane	ND		5.0	0.33	ug/L			08/24/15 22:42	1
Chloroethane	ND		10	0.38	ug/L			08/24/15 22:42	1
Chloroform	ND		5.0	0.15	ug/L			08/24/15 22:42	1
Chloromethane	ND		10	0.55	ug/L			08/24/15 22:42	1
1,2-Dibromo-3-Chloropropane	ND		10	1.2	ug/L			08/24/15 22:42	1
1,1-Dichloroethane	ND		5.0	0.39	ug/L			08/24/15 22:42	1
1,2-Dichloroethane	ND		5.0	0.37	ug/L			08/24/15 22:42	1
cis-1,2-Dichloroethene	ND		5.0		ug/L			08/24/15 22:42	1
trans-1,2-Dichloroethene	ND		5.0		ug/L			08/24/15 22:42	1
1,1-Dichloroethene	ND		5.0		ug/L			08/24/15 22:42	1
1,2-Dichloropropane	ND		5.0		ug/L			08/24/15 22:42	- 1
Ethylbenzene	ND		5.0		ug/L			08/24/15 22:42	1
Hexachlorobutadiene	ND		5.0		ug/L			08/24/15 22:42	1
Isobutyl alcohol	ND		200		ug/L			08/24/15 22:42	1
Methylene Chloride	ND		5.0		ug/L			08/24/15 22:42	1
4-Methyl-2-pentanone (MIBK)	ND		20		ug/L			08/24/15 22:42	1
Methyl tert-butyl ether	ND		5.0		ug/L			08/24/15 22:42	- 1
Trichlorofluoromethane	ND		5.0		ug/L			08/24/15 22:42	1
Trichloroethene	ND		5.0		ug/L			08/24/15 22:42	1
1,1,1-Trichloroethane	ND		5.0		ug/L			08/24/15 22:42	1
Vinyl chloride	ND		5.0		ug/L			08/24/15 22:42	1
1,1,1,2-Tetrachloroethane	ND		5.0		ug/L			08/24/15 22:42	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			08/24/15 22:42	1
1,1,2-Trichloroethane	ND		5.0		ug/L			08/24/15 22:42	1
Styrene	ND		5.0		ug/L			08/24/15 22:42	1
Tetrachloroethene	ND		5.0		ug/L			08/24/15 22:42	1
Toluene	ND		5.0		ug/L			08/24/15 22:42	4
Xylenes, Total	ND		10		ug/L			08/24/15 22:42	1
1,3-Dichloropropene, Total	ND		10		ug/L			08/24/15 22:42	4
1,3-Dichloroproperie, Total	ND		10	0.09	ug/L			06/24/15 22.42	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		78 - 127					08/24/15 22:42	1
4-Bromofluorobenzene (Surr)	96		75 - 123					08/24/15 22:42	1
Dibromofluoromethane (Surr)	99		80 - 120					08/24/15 22:42	1
Toluene-d8 (Surr)	102		80 - 120					08/24/15 22:42	1

Client: SEMS, Inc.

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

Client Sample ID: 2015 08 19 TRIP BLK 10

Date Collected: 08/19/15 00:00 Date Received: 08/20/15 09:15 Lab Sample ID: 160-13469-52

Analyte		Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fa
Acetone		J	20	6.7	ug/L			08/24/15 23:08	
Benzene	ND		5.0	0.25	ug/L			08/24/15 23:08	
Bromoform	ND		5.0	0.37				08/24/15 23:08	1
Bromodichloromethane	ND		5.0	0.25	ug/L			08/24/15 23:08	1
Bromomethane	ND		10	0.40	ug/L			08/24/15 23:08	11
2-Butanone (MEK)	ND		20	0.39	ug/L			08/24/15 23:08	1
Carbon disulfide	ND		5.0	0.37	ug/L			08/24/15 23:08	1
Carbon tetrachloride	ND		5.0	0.36	ug/L			08/24/15 23:08	1
Chlorobenzene	ND		5.0	0.38	ug/L			08/24/15 23:08	1
Chlorodibromomethane	ND		5.0	0.33	ug/L			08/24/15 23:08	1
Chloroethane	ND		10	0.38	ug/L			08/24/15 23:08	1
Chloroform	ND		5.0	0.15	ug/L			08/24/15 23:08	1
Chloromethane	ND		10	0.55	ug/L			08/24/15 23:08	1
1,2-Dibromo-3-Chloropropane	ND		10	1.2	ug/L			08/24/15 23:08	1
1,1-Dichloroethane	ND		5.0		ug/L			08/24/15 23:08	1
1,2-Dichloroethane	ND		5.0		ug/L			08/24/15 23:08	1
cis-1,2-Dichloroethene	ND		5.0		ug/L			08/24/15 23:08	1
trans-1,2-Dichloroethene	ND		5.0		ug/L			08/24/15 23:08	1
1,1-Dichloroethene	ND		5.0		ug/L			08/24/15 23:08	1
1,2-Dichloropropane	ND		5.0	0.32				08/24/15 23:08	1
Ethylbenzene	ND		5.0	0.30	the state of the s			08/24/15 23:08	1
Hexachlorobutadiene	ND		5.0	0.25	D 1 T / K			08/24/15 23:08	1
Isobutyl alcohol	ND		200		ug/L			08/24/15 23:08	1
Methylene Chloride	ND		5.0		ug/L			08/24/15 23:08	1
4-Methyl-2-pentanone (MIBK)	ND		20	0.33				08/24/15 23:08	1
Methyl tert-butyl ether	ND		5.0	0.40				08/24/15 23:08	1
Trichlorofluoromethane	ND		5.0		ug/L			08/24/15 23:08	1
Trichloroethene	ND		5.0		ug/L			08/24/15 23:08	1
1,1,1-Trichloroethane	ND		5.0		ug/L			08/24/15 23:08	1
Vinyl chloride	ND		5.0	0.43				08/24/15 23:08	1
1,1,1,2-Tetrachloroethane	ND		5.0		ug/L			08/24/15 23:08	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.43				08/24/15 23:08	1
1,1,2-Trichloroethane	ND		5.0		ug/L			08/24/15 23:08	1
Styrene	ND		5.0	0.35				08/24/15 23:08	1
Tetrachloroethene	ND		5.0	0.28				08/24/15 23:08	1
Toluene	ND		5.0		ug/L			08/24/15 23:08	1
Xylenes, Total	ND		10	0.85				08/24/15 23:08	1
1,3-Dichloropropene, Total	ND		10	0.69	- T			08/24/15 23:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		78 - 127			-		08/24/15 23:08	1
4-Bromofluorobenzene (Surr)	98		75 - 123					08/24/15 23:08	1
Dibromofluoromethane (Surr)	97		80 - 120					08/24/15 23:08	1
Toluene-d8 (Surr)	101		80 - 120					08/24/15 23:08	1

Client: SEMS, Inc.

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

Client Sample ID: 2015 08 19 TRIP BLK 11

Date Collected: 08/19/15 00:00

Lab Sample ID: 160-13469-53

Matrix: Water

Date Received: 08/20/15 09:15

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	13	J	20	6.7	ug/L			08/24/15 23:33	
Benzene	ND		5.0		ug/L			08/24/15 23:33	4
Bromoform	ND		5.0	0.37	ug/L			08/24/15 23:33	1
Bromodichloromethane	ND		5.0	0.25	ug/L			08/24/15 23:33	
Bromomethane	ND		10	0.40	ug/L			08/24/15 23:33	4
2-Butanone (MEK)	ND		20	0.39	ug/L			08/24/15 23:33	4
Carbon disulfide	ND		5.0	0.37	ug/L			08/24/15 23:33	19
Carbon tetrachloride	ND		5.0	0.36	ug/L			08/24/15 23:33	
Chlorobenzene	ND		5.0	0.38	ug/L			08/24/15 23:33	
Chlorodibromomethane	ND		5.0	0.33	ug/L			08/24/15 23:33	4
Chloroethane	ND		10	0.38	ug/L			08/24/15 23:33	-
Chloroform	ND		5.0		ug/L			08/24/15 23:33	-
Chloromethane	ND		10		ug/L			08/24/15 23:33	
1,2-Dibromo-3-Chloropropane	ND		10		ug/L			08/24/15 23:33	
1,1-Dichloroethane	ND		5.0		ug/L			08/24/15 23:33	4
1,2-Dichloroethane	ND		5.0		ug/L			08/24/15 23:33	1.0
cis-1,2-Dichloroethene	ND		5.0		ug/L			08/24/15 23:33	
trans-1,2-Dichloroethene	ND		5.0		ug/L			08/24/15 23:33	
1,1-Dichloroethene	ND		5.0		ug/L			08/24/15 23:33	
1,2-Dichloropropane	ND		5.0		ug/L			08/24/15 23:33	
Ethylbenzene	ND		5.0		ug/L			08/24/15 23:33	
Hexachlorobutadiene	ND		5.0		ug/L			08/24/15 23:33	
Isobutyl alcohol	ND		200		ug/L			08/24/15 23:33	
Methylene Chloride	ND		5.0		ug/L			08/24/15 23:33	
4-Methyl-2-pentanone (MIBK)	ND		20		ug/L			08/24/15 23:33	
Methyl tert-butyl ether	ND		5.0		ug/L			08/24/15 23:33	
Trichlorofluoromethane	ND		5.0		ug/L			08/24/15 23:33	
Trichloroethene	ND		5.0		ug/L			08/24/15 23:33	
1,1,1-Trichloroethane	ND		5.0		ug/L			08/24/15 23:33	
Vinyl chloride	ND		5.0		ug/L			08/24/15 23:33	
1,1,1,2-Tetrachloroethane	ND		5.0		ug/L			08/24/15 23:33	
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			08/24/15 23:33	
1,1,2-Trichloroethane	ND		5.0		ug/L			08/24/15 23:33	
Styrene	ND		5.0		ug/L			08/24/15 23:33	
Tetrachloroethene	ND		5.0		ug/L			08/24/15 23:33	
Toluene	ND		5.0		ug/L			08/24/15 23:33	
Xylenes, Total	ND		10		ug/L			08/24/15 23:33	
1,3-Dichloropropene, Total	ND		10		ug/L			08/24/15 23:33	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		78-127				- MANAGER	08/24/15 23:33	
4-Bromofluorobenzene (Surr)	95		75 - 123					08/24/15 23:33	
Dibromofluoromethane (Surr)	97		80 - 120					08/24/15 23:33	
Toluene-d8 (Surr)	102		80 - 120					08/24/15 23:33	

Client: SEMS, Inc.

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 160-207159/1-A

Matrix: Solid

Analysis Batch: 207160

Client Sample ID: Method Blank Prep Type: Total/NA Prep Batch: 207159

	MB MB							
Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND	10	1.5	ug/Kg		08/23/15 03:00	08/23/15 05:50	1
1,1-Dichloroethane	ND	5.0	0.39	ug/Kg		08/23/15 03:00	08/23/15 05:50	1
2-Butanone (MEK)	ND	20	1.9	ug/Kg		08/23/15 03:00	08/23/15 05:50	1
1,2-Dichloroethane	ND	5.0	0.87	ug/Kg		08/23/15 03:00	08/23/15 05:50	1
Acetone	ND	20	6.5	ug/Kg		08/23/15 03:00	08/23/15 05:50	1
1,1-Dichloroethene	ND	5.0	1.6	ug/Kg		08/23/15 03:00	08/23/15 05:50	1
Benzene	ND	5.0	0.25	ug/Kg		08/23/15 03:00	08/23/15 05:50	1
1,2-Dichloropropane	ND	5.0	0.38	ug/Kg		08/23/15 03:00	08/23/15 05:50	1
Bromodichloromethane	ND	5.0	0.25	ug/Kg		08/23/15 03:00	08/23/15 05:50	1
Bromoform	ND	5.0	0.37	ug/Kg		08/23/15 03:00	08/23/15 05:50	1
Bromomethane	ND	10	1.1	ug/Kg		08/23/15 03:00	08/23/15 05:50	1
Carbon disulfide	ND	5.0	0.69	ug/Kg		08/23/15 03:00	08/23/15 05:50	1
Carbon tetrachloride	ND	5.0	0.51	ug/Kg		08/23/15 03:00	08/23/15 05:50	1
Chlorobenzene	ND	5.0	0.38	ug/Kg		08/23/15 03:00	08/23/15 05:50	1
Chlorodibromomethane	ND	5.0				08/23/15 03:00	08/23/15 05:50	1
Chloroethane	ND	10	0.52	ug/Kg		08/23/15 03:00	08/23/15 05:50	1
4-Methyl-2-pentanone (MIBK)	ND	20	0.73	ug/Kg		08/23/15 03:00	08/23/15 05:50	1
Chloroform	ND	5.0	0.38	ug/Kg		08/23/15 03:00	08/23/15 05:50	1
Chloromethane	ND	10	0.65	ug/Kg		08/23/15 03:00	08/23/15 05:50	1
cis-1,2-Dichloroethene	ND	5.0	0.60	ug/Kg		08/23/15 03:00	08/23/15 05:50	1
1,1,1-Trichloroethane	ND	5.0	0.43	ug/Kg		08/23/15 03:00	08/23/15 05:50	1
Ethylbenzene	ND	5.0	0.30	ug/Kg		08/23/15 03:00	08/23/15 05:50	1
Hexachlorobutadiene	ND	5.0	0.68	ug/Kg		08/23/15 03:00	08/23/15 05:50	1
Isobutyl alcohol	ND	200	25	ug/Kg		08/23/15 03:00	08/23/15 05:50	1
Methyl tert-butyl ether	ND	5.0	0.48	ug/Kg		08/23/15 03:00	08/23/15 05:50	1
Methylene Chloride	ND	5.0	1.6	ug/Kg		08/23/15 03:00	08/23/15 05:50	- 1
1,1,1,2-Tetrachloroethane	ND	5.0		ug/Kg		08/23/15 03:00	08/23/15 05:50	1
1,1,2,2-Tetrachloroethane	ND	5.0	0.40	ug/Kg		08/23/15 03:00	08/23/15 05:50	1
1,1,2-Trichloroethane	ND	5.0	0.57	ug/Kg		08/23/15 03:00	08/23/15 05:50	1
trans-1,2-Dichloroethene	ND	5.0	0.94	ug/Kg		08/23/15 03:00	08/23/15 05:50	1
Styrene	ND	5.0	0.35	ug/Kg		08/23/15 03:00	08/23/15 05:50	1
Tetrachloroethene	ND	5.0		ug/Kg		08/23/15 03:00	08/23/15 05:50	1
Trichloroethene	1.07 J	5.0		ug/Kg		08/23/15 03:00	08/23/15 05:50	1
Toluene	ND	5.0	0.70	ug/Kg		08/23/15 03:00	08/23/15 05:50	1
Trichlorofluoromethane	ND	5.0		ug/Kg		08/23/15 03:00	08/23/15 05:50	1
Vinyl chloride	ND	5.0		ug/Kg		08/23/15 03:00	08/23/15 05:50	1
Xylenes, Total	ND	10		ug/Kg		08/23/15 03:00		1
1,3-Dichloropropene, Total	ND	10		ug/Kg		08/23/15 03:00		1

18	MB
10	IVID

Surrogate	%Recovery	Qualifier	Limits	Prep
1,2-Dichloroethane-d4 (Surr)	107		72 - 127	08/23/1
4-Bromofluorobenzene (Surr)	131		63 - 150	08/23/1
Dibromofluoromethane (Surr)	102		70 - 126	08/23/1
Toluene-d8 (Surr)	118		80 - 120	08/23/1

 Prepared
 Analyzed
 Dil Fac

 08/23/15 03:00
 08/23/15 05:50
 1

 08/23/15 03:00
 08/23/15 05:50
 1

 08/23/15 03:00
 08/23/15 05:50
 1

 08/23/15 03:00
 08/23/15 05:50
 1

Client: SEMS, Inc.

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

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

Lab Sample ID: LCS 160-207159/2-A

Matrix: Solid

Analysis Batch: 207160

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

Prep Batch: 207159

Analysis Batch. 207 100	Spike	LCS	LCS				%Rec.
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
1,2-Dibromo-3-Chloropropane	50.0	50.4		ug/Kg	_	101	75 - 129
1,1-Dichloroethane	50.0	52.3		ug/Kg		105	80 - 120
2-Butanone (MEK)	50.0	53.1		ug/Kg		106	61 - 134
1,2-Dichloroethane	50.0	53.2		ug/Kg		106	76 - 125
Acetone	50.0	58.7		ug/Kg		117	59 - 129
1,1-Dichloroethene	50.0	52.7		ug/Kg		105	80 - 120
Benzene	50.0	52.6		ug/Kg		105	80 - 120
1,2-Dichloropropane	50.0	52.3		ug/Kg		105	80 - 120
Bromodichloromethane	50.0	48.9		ug/Kg		98	80 - 120
Bromoform	50.0	52.1		ug/Kg		104	84 - 126
Bromomethane	50.0	46.3		ug/Kg		93	74 - 128
Carbon disulfide	50.0	52.7		ug/Kg		105	79 - 121
Carbon tetrachloride	50.0	51.8		ug/Kg		104	80 - 125
Chlorobenzene	50.0	50.2		ug/Kg		100	80 - 120
Chlorodibromomethane	50.0	50.6		ug/Kg		101	80 - 120
Chloroethane	50.0	47.2		ug/Kg		94	73 - 129
4-Methyl-2-pentanone (MIBK)	50.0	60.1		ug/Kg		120	75 - 127
Chloroform	50.0	49.0		ug/Kg		98	80 - 120
Chloromethane	50.0	54.0		ug/Kg		108	70 - 129
cis-1,2-Dichloroethene	50.0	53.0		ug/Kg		106	80 - 120
1,1,1-Trichloroethane	50.0	53.5		ug/Kg		107	81 - 124
Ethylbenzene	50.0	58.7		ug/Kg		117	80 - 120
Hexachlorobutadiene	50.0	53.6		ug/Kg		107	61 - 131
Isobutyl alcohol	1250	1370		ug/Kg		110	61 - 140
Methyl tert-butyl ether	50.0	56.5		ug/Kg		113	83 - 124
Methylene Chloride	50.0	48.9		ug/Kg		98	80 - 120
1,1,1,2-Tetrachloroethane	50.0	54.9		ug/Kg		110	80 - 120
1,1,2,2-Tetrachloroethane	50.0	52.5		ug/Kg		105	78 - 121
1,1,2-Trichloroethane	50.0	50.5		ug/Kg		101	80 - 120
trans-1,2-Dichloroethene	50.0	50.3		ug/Kg		101	80 - 120
Styrene	50.0	57.9		ug/Kg		116	80 - 120
Tetrachloroethene	50.0	49.9		ug/Kg		100	80 - 120
Trichloroethene	50.0	51.2		ug/Kg		102	80 - 120
Toluene	50.0	53.8		ug/Kg		108	80 - 120
Trichlorofluoromethane	50.0	51.4		ug/Kg		103	77 - 132
Vinyl chloride	50.0	46.3		ug/Kg		93	65 - 123
Xylenes, Total	100	109		ug/Kg		109	80 - 120
1,3-Dichloropropene, Total	100	106		ug/Kg		106	

CS	LCS

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	106		72 - 127
4-Bromofluorobenzene (Surr)	117		63 - 150
Dibromofluoromethane (Surr)	99		70 - 126
Toluene-d8 (Surr)	115		80 - 120

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

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

Lab Sample ID: LCSD 160-207159/3-A

Matrix: Solid Analysis Batch: 207160

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

Prep Batch: 207159

Analysis Batch: 207160	Spike	LCSD	LCSD				Prep Ba	atch: 20	07159 RPD
Analyte	Added		Qualifier	Unit	D	%Rec	Limits	RPD	Limit
1,2-Dibromo-3-Chloropropane	50.0	46.6	SHIP TO SHIP T	ug/Kg	_ =	93	75 - 129	8	20
1,1-Dichloroethane	50.0	48.5		ug/Kg		97	80 - 120	7	20
2-Butanone (MEK)	50.0	54.7		ug/Kg		109	61 - 134	3	20
1,2-Dichloroethane	50.0	50.9		ug/Kg		102	76 - 125	4	20
Acetone	50.0	53.7		ug/Kg		107	59 - 129	9	20
1,1-Dichloroethene	50.0	50.4		ug/Kg		101	80 - 120	5	20
Benzene	50.0	52.1		ug/Kg		104	80 - 120	1	20
1,2-Dichloropropane	50.0	51.6		ug/Kg		103	80 - 120	1	20
Bromodichloromethane	50.0	50.7		ug/Kg		101	80 - 120	4	20
Bromoform	50.0	50.4		ug/Kg		101	84 - 126	3	20
Bromomethane	50.0	43.0		ug/Kg		86	74 - 128	7	20
Carbon disulfide	50.0	50.0		ug/Kg		100	79 - 121	5	20
Carbon tetrachloride	50.0	50.0		ug/Kg		100	80 - 125	4	20
Chlorobenzene	50.0	50.0		ug/Kg		100	80 - 120	0	20
Chlorodibromomethane	50.0	52.4		ug/Kg		105	80 - 120	3	20
Chloroethane	50.0	45.1		ug/Kg		90	73 - 129	5	20
4-Methyl-2-pentanone (MIBK)	50.0	59.9		ug/Kg		120	75 - 127	0	20
Chloroform	50.0	47.4		ug/Kg		95	80 - 120	3	20
Chloromethane	50.0	52.3		ug/Kg		105	70 - 129	3	20
cis-1,2-Dichloroethene	50.0	49.4		ug/Kg		99	80 - 120	7	20
1,1,1-Trichloroethane	50.0	50.0		ug/Kg		100	81 - 124	7	20
Ethylbenzene	50.0	56.8		ug/Kg		114	80 - 120	3	20
Hexachlorobutadiene	50.0	51.3		ug/Kg		103	61 - 131	4	20
Isobutyl alcohol	1250	1270		ug/Kg		102	61 - 140	7	20
Methyl tert-butyl ether	50.0	52.0		ug/Kg		104	83 - 124	8	20
Methylene Chloride	50.0	44.8		ug/Kg		90	80 - 120	9	20
1,1,1,2-Tetrachloroethane	50.0	51.0		ug/Kg		102	80 - 120	7	20
1,1,2,2-Tetrachloroethane	50.0	51.5		ug/Kg		103	78 - 121	2	20
1,1,2-Trichloroethane	50.0	50.9		ug/Kg		102	80 - 120	1	20
trans-1,2-Dichloroethene	50.0	47.3		ug/Kg		95	80 - 120	6	20
Styrene	50.0	56.8		ug/Kg		114	80 - 120	2	20
Tetrachloroethene	50.0	49.1		ug/Kg		98	80 - 120	2	20
Trichloroethene	50.0	49.2		ug/Kg		98	80 - 120	4	20
Toluene	50.0	52.4		ug/Kg		105	80 - 120	3	20
Trichlorofluoromethane	50.0	49.3		ug/Kg		99	77 - 132	4	20
Vinyl chloride	50.0	43.9		ug/Kg		88	65 - 123	5	20
Xylenes, Total	100	106		ug/Kg		106	80 - 120	3	20
1,3-Dichloropropene, Total	100	116		ug/Kg		116	AV., 777.	9	-170

LCSD	LCSD

	2000	LOUD	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	106		72 - 127
4-Bromofluorobenzene (Surr)	115		63 - 150
Dibromofluoromethane (Surr)	93		70 - 126
Toluene-d8 (Surr)	109		80 - 120

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

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

Lab Sample ID: 160-13469-16 MS

Matrix: Solid

Analysis Batch: 207160

Client Sample ID: 2015.08.17.H-4 Prep Type: Total/NA

Prep Batch: 207159

Analyte	2.0 3.1.1.0	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	ND	33,5,111,81	48.4	45.9	7444444	ug/Kg	- 🕏	95	80 - 120
1,1,1-Trichloroethane	ND	F2	48.4	44.9		ug/Kg	**	93	83 - 128
1,1,2,2-Tetrachloroethane	ND		48.4	53.3		ug/Kg	**	110	55 - 150
1,1,2-Trichloroethane	ND		48.4	48.0		ug/Kg	*	99	80 - 120
1,1-Dichloroethane	ND		48.4	44.3		ug/Kg	*	92	80 - 120
1,1-Dichloroethene	ND		48.4	44.6		ug/Kg	故	92	55 - 150
1,2-Dibromo-3-Chloropropane	ND		48.4	52.9		ug/Kg	*	109	78 - 137
1,2-Dichloroethane	ND		48.4	50.8		ug/Kg	**	105	64 - 137
1,2-Dichloropropane	ND		48.4	47.8		ug/Kg	尊	99	80 - 120
1,3-Dichloropropene, Total	ND		96.9	109		ug/Kg	**	113	
2-Butanone (MEK)	ND		48.4	53.7		ug/Kg	**	111	56 - 130
4-Methyl-2-pentanone (MIBK)	ND		48.4	62.1		ug/Kg	**	128	68 - 130
Acetone	ND		48.4	63.6		ug/Kg	*	131	35 - 150
Benzene	ND	F2	48.4	43.2		ug/Kg	⇔	89	80 - 120
Bromodichloromethane	ND		48.4	48.0		ug/Kg	*	99	77 - 131
Bromoform	ND	*	48.4	50.2		ug/Kg	⇔	104	80 - 120
Bromomethane	ND		48.4	39.0		ug/Kg	*	81	61 - 134
Carbon disulfide	ND		48.4	42.1		ug/Kg	⇔	87	74 - 125
Carbon tetrachloride	ND	F2	48.4	44.0		ug/Kg	*	91	67 - 140
Chlorobenzene	ND	F2	48.4	43.0		ug/Kg	**	89	76 - 117
Chlorodibromomethane	ND		48.4	50.7		ug/Kg	*	105	80 - 120
Chloroethane	ND		48.4	38.5		ug/Kg	**	80	65 - 134
Chloroform	ND		48.4	44.5		ug/Kg	*	92	79 - 124
Chloromethane	ND		48.4	44.0		ug/Kg	**	91	56 - 139
cis-1,2-Dichloroethene	ND		48.4	45.8		ug/Kg	*	95	75 - 121
Ethylbenzene	ND	F2	48.4	46.4		ug/Kg	**	96	80 - 120
Hexachlorobutadiene	ND	F2 *	48.4	21.3		ug/Kg	*	44	10 - 146
Isobutyl alcohol	ND		1210	1370		ug/Kg	335	113	43 - 136
Methyl tert-butyl ether	ND		48.4	52.9		ug/Kg	*	109	67 - 138
Methylene Chloride	ND		48.4	44.1		ug/Kg	**	91	74 - 123
Styrene	ND		48.4	48.4		ug/Kg	*	100	80 - 122
Tetrachloroethene	ND	F2	48.4	40.7		ug/Kg	**	84	77 - 128
Toluene	ND	F2	48.4	45.9		ug/Kg	*	95	79 - 139
trans-1,2-Dichloroethene	ND		48.4	42.6		ug/Kg	**	88	75 - 121
Trichloroethene	ND	F2	48.4	42.0		ug/Kg	**	87	75 - 123
Trichlorofluoromethane	ND		48.4	41.3		ug/Kg	**	85	67 - 146
Vinyl chloride	ND		48.4	38.9		ug/Kg	*	80	59 - 125
Xylenes, Total	0.92	JF2	96.9	89.1		ug/Kg	335	91	72 - 125

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Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	92		72-127
4-Bromofluorobenzene (Surr)	96		63 - 150
Dibromofluoromethane (Surr)	81		70-126
Toluene-d8 (Surr)	92		80 - 120

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

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

Eur Cumpic ID. 100 10100 10 IIIOD	imple ID: 160-13469-16 M	SD
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Matrix: Solid

Analysis Batch: 207160

Client Sample ID: 2015.08.17.H-4

Prep Type: Total/NA

Analysis Batch: 207160	Sample	Sample	Spike	MSD	MSD				Prep Ba	atch: 2	07159 RPD
Analyte	V 000 100 00	Qualifier	Added		Qualifier	Unit	D	%Rec	Limits	RPD	Limit
1,1,1,2-Tetrachloroethane	ND		53.7	54.8	qualifici	ug/Kg	- \$	102	80 - 120	18	20
1,1,1-Trichloroethane	ND	F2	53.7	55.6	F2	ug/Kg	101	104	83 - 128	21	20
1,1,2,2-Tetrachloroethane	ND		53.7	59.7		ug/Kg	*	111	55 - 150	11	20
1,1,2-Trichloroethane	ND		53.7	54.7		ug/Kg	335	102	80 - 120	13	20
1,1-Dichloroethane	ND		53.7	52.5		ug/Kg	**	98	80 - 120	17	20
1,1-Dichloroethene	ND		53.7	52.2		ug/Kg	**	97	55 - 150	16	20
1,2-Dibromo-3-Chloropropane	ND		53.7	49.9		ug/Kg	*	93	78 - 137	6	20
1,2-Dichloroethane	ND		53.7	57.6		ug/Kg	*	107	64 - 137	12	20
1,2-Dichloropropane	ND		53.7	58.0		ug/Kg	***	108	80 - 120	19	20
1,3-Dichloropropene, Total	ND		107	128		ug/Kg	*	120	00-120	16	20
2-Butanone (MEK)	ND		53.7	56.9		ug/Kg	*	106	56 - 130	6	20
4-Methyl-2-pentanone (MIBK)	ND		53.7	58.6		ug/Kg	*	109	68 - 130	6	20
Acetone	ND		53.7	52.4		ug/Kg	*	98	35 - 150	19	20
Benzene	ND	F2	53.7	53.5	E2	ug/Kg ug/Kg	***	100	80 - 120	21	20
Bromodichloromethane	ND	12	53.7	55.9	12	ug/Kg ug/Kg	*	104	77 - 131	15	20
Bromoform	ND	*	53.7	57.8		ug/Kg ug/Kg	**	104	80 - 120	14	20
Bromomethane	ND		53.7	45.6		ug/Kg ug/Kg	*	85	61 - 134	16	20
Carbon disulfide	ND		53.7	50.8		ug/Kg ug/Kg	*	95	74 - 125	19	20
Carbon tetrachloride	ND	F2	53.7		F2	ug/Kg ug/Kg	*	102	67 - 140	22	20
Chlorobenzene	ND	F2	53.7	53.8		ug/Kg ug/Kg	**	100	76 - 117	22	20
Chlorodibromomethane	ND	1.4	53.7	56.0		ug/Kg	*	104	80 - 120	10	20
Chloroethane	ND		53.7	44.9		77.17.17	**	84			
Chloroform	ND		53.7	52.3		ug/Kg	*	98	65 - 134	15 16	20
Chloromethane	ND		53.7	50.8		ug/Kg ug/Kg	*	95	79 - 124 56 - 139	14	20 20
cis-1,2-Dichloroethene	ND		53.7	54.2		ug/Kg ug/Kg	*		75 - 121	17	
Ethylbenzene	ND	F2	53.7	59.1	E0.	W 17 / 17 / 18 / 18 / 18 / 18 / 18 / 18 /	**	101			20
Hexachlorobutadiene		F2 *	53.7	45.6		ug/Kg	**	110	80 - 120	24	20
Isobutyl alcohol	ND	F2	1340	1220	F2	ug/Kg	**	85	10 - 146	73	20
Methyl tert-butyl ether	ND		53.7			ug/Kg	*	91	43 - 136	11	20
Methylene Chloride	ND			55.1		ug/Kg	**	103	67 - 138	4	20
Styrene			53.7	50.7		ug/Kg		94	74 - 123	14	20
AC7281.00 To See Line 19	ND	F0	53.7	59.4		ug/Kg	*	111	80 - 122	20	20
Tetrachloroethene Toluene	ND		53.7	51.9	17.00	ug/Kg	**	97	77 - 128	24	20
	ND	FZ	53.7	57.4	F2	ug/Kg	*	107	79 - 139	22	20
trans-1,2-Dichloroethene	ND	F0	53.7	51.4	F0	ug/Kg	*	96	75 - 121	19	20
Trichloroethene	ND	F2	53.7	52.2	F2	ug/Kg	*	97	75 - 123	22	20
Trichlorofluoromethane	ND		53.7	50.2		ug/Kg	**	94	67 - 146	19	20
Vinyl chloride	ND	742	53.7	46.3	40	ug/Kg	*	86	59 - 125	17	20
Xylenes, Total	0.92	JF2	107	113	F2	ug/Kg	*	105	72 - 125	24	20

MSD	MSD

%Recovery	Qualifier	Limits
109		72 - 127
136		63 - 150
102		70 - 126
118		80 - 120
	109 136 102	136 102

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

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

Lab Sample ID: MB 160-207384/7

Matrix: Water

Analysis Batch: 207384

Client Sample ID: Method Blank

Prep Type: Total/NA

	MB	MB							
Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		10		ug/L			08/24/15 16:58	1
1,1-Dichloroethane	ND		5.0		ug/L			08/24/15 16:58	1
2-Butanone (MEK)	ND		20	0.39	ug/L			08/24/15 16:58	1
1,2-Dichloroethane	ND		5.0	0.37	ug/L			08/24/15 16:58	1
Acetone	ND		20	6.7	ug/L			08/24/15 16:58	1
1,1-Dichloroethene	ND		5.0	0.37	ug/L			08/24/15 16:58	1
Benzene	ND		5.0	0.25	ug/L			08/24/15 16:58	1
1,2-Dichloropropane	ND		5.0	0.32	ug/L			08/24/15 16:58	1
Bromodichloromethane	ND		5.0	0.25	ug/L			08/24/15 16:58	1
Bromoform	ND		5.0	0.37	ug/L			08/24/15 16:58	1
Bromomethane	ND		10	0.40	ug/L			08/24/15 16:58	1
Carbon disulfide	ND		5.0	0.37	ug/L			08/24/15 16:58	1
Carbon tetrachloride	ND		5.0	0.36	ug/L			08/24/15 16:58	1
Chlorobenzene	ND		5.0	0.38	ug/L			08/24/15 16:58	1
Chlorodibromomethane	ND		5.0	0.33	ug/L			08/24/15 16:58	1
Chloroethane	ND		10	0.38	ug/L			08/24/15 16:58	1
4-Methyl-2-pentanone (MIBK)	ND		20	0.33	ug/L			08/24/15 16:58	1
Chloroform	ND		5.0	0.15	ug/L			08/24/15 16:58	1
Chloromethane	ND		10	0.55	ug/L			08/24/15 16:58	1
cis-1,2-Dichloroethene	ND		5.0	0.16	ug/L			08/24/15 16:58	1
1,1,1-Trichloroethane	ND		5.0	0.29	ug/L			08/24/15 16:58	1
Ethylbenzene	ND		5.0	0.30	ug/L			08/24/15 16:58	1
Hexachlorobutadiene	ND		5.0	0.25	ug/L			08/24/15 16:58	1
Isobutyl alcohol	ND		200	7.3	ug/L			08/24/15 16:58	1
Methyl tert-butyl ether	ND		5.0	0.40	ug/L			08/24/15 16:58	1
Methylene Chloride	ND		5.0	1.7	ug/L			08/24/15 16:58	1
1,1,1,2-Tetrachloroethane	ND		5.0	0.25	ug/L			08/24/15 16:58	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	ug/L			08/24/15 16:58	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/L			08/24/15 16:58	1
trans-1,2-Dichloroethene	ND		5.0	0.18	ug/L			08/24/15 16:58	1
Styrene	ND		5.0	0.35	ug/L			08/24/15 16:58	1
Tetrachloroethene	ND		5.0	0.28	ug/L			08/24/15 16:58	1
Trichloroethene	0.952	J	5.0	0.29	ug/L			08/24/15 16:58	1
Toluene	ND		5.0	1.0	ug/L			08/24/15 16:58	1
Trichlorofluoromethane	ND		5.0	0.22	ug/L			08/24/15 16:58	1
Vinyl chloride	ND		5.0	0.43	ug/L			08/24/15 16:58	1
Xylenes, Total	ND		10	0.85	ug/L			08/24/15 16:58	7
1,3-Dichloropropene, Total	ND		10	0.60	ug/L			08/24/15 16:58	1

	WB	MB
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	INID	IMD				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	89		78 - 127		08/24/15 16:58	1
4-Bromofluorobenzene (Surr)	101		75 - 123		08/24/15 16:58	1
Dibromofluoromethane (Surr)	98		80 - 120		08/24/15 16:58	1
Toluene-d8 (Surr)	104		80 - 120		08/24/15 16:58	1

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

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

Lab Sample ID: LCS 160-207384/4

Matrix: Water

Analysis Batch: 207384

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

No. of the Control of	Spike		LCS				%Rec.	
Analyte	Added		Qualifier	Unit	D	%Rec	Limits	
1,2-Dibromo-3-Chloropropane	50.0	51.4		ug/L		103	69 - 135	
1,1-Dichloroethane	50.0	50.4		ug/L		101	80 - 120	
2-Butanone (MEK)	50.0	46.0		ug/L		92	68 - 128	
1,2-Dichloroethane	50.0	41.9		ug/L		84	80 - 120	
Acetone	50.0	55.3		ug/L		111	72 - 139	
1,1-Dichloroethene	50.0	59.3		ug/L		119	77 - 121	
Benzene	50.0	52.3		ug/L		105	80 - 120	
1,2-Dichloropropane	50.0	50.1		ug/L		100	80 - 120	
Bromodichloromethane	50.0	48.0		ug/L		96	80 - 120	
Bromoform	50.0	52.3		ug/L		105	80 - 120	
Bromomethane	50.0	46.3		ug/L		93	48 - 140	
Carbon disulfide	50.0	58.8		ug/L		118	79 - 120	
Carbon tetrachloride	50.0	45.8		ug/L		92	74 - 128	
Chlorobenzene	50.0	51.0		ug/L		102	80 - 120	
Chlorodibromomethane	50.0	51.2		ug/L		102	80 - 120	
Chloroethane	50.0	44.7		ug/L		89	55 - 140	
4-Methyl-2-pentanone (MIBK)	50.0	50.6		ug/L		101	74 - 129	
Chloroform	50.0	47.5		ug/L		95	80 - 120	
Chloromethane	50.0	49.8		ug/L		100	72 - 123	
cis-1,2-Dichloroethene	50.0	51.9		ug/L		104	80 - 120	
1,1,1-Trichloroethane	50.0	45.3		ug/L		91	75 - 127	
Ethylbenzene	50.0	46.8		ug/L		94	80 - 120	
Hexachlorobutadiene	50.0	49.9		ug/L		100	76 - 128	
Isobutyl alcohol	1250	1110		ug/L		89	69 - 130	
Methyl tert-butyl ether	50.0	51.3		ug/L		103	77 - 124	
Methylene Chloride	50.0	55.8		ug/L		112	79-115	
1,1,1,2-Tetrachloroethane	50.0	50.8		ug/L		102	80 - 120	
1,1,2,2-Tetrachloroethane	50.0	52.2		ug/L		104	80 - 120	
1,1,2-Trichloroethane	50.0	53.9		ug/L		108	80 - 120	
trans-1,2-Dichloroethene	50.0	55.1		ug/L		110	80 - 120	
Styrene	50.0	53.4		ug/L		107	80 - 120	
Tetrachloroethene	50.0	51.7		ug/L		103	80 - 120	
Trichloroethene	50.0	44.9		ug/L		90	80 - 120	
Toluene	50.0	54.4		ug/L		109	80 - 120	
Trichlorofluoromethane	50.0	51.0		ug/L		102	72 - 132	
Vinyl chloride	50.0	46.4		ug/L		93	68 - 120	
Xylenes, Total	100	106		ug/L		106	80 - 120	
1,3-Dichloropropene, Total	100	102		ug/L		102		

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	88		78 - 127
4-Bromofluorobenzene (Surr)	106		75 - 123
Dibromofluoromethane (Surr)	98		80 - 120
Toluene-d8 (Surr)	110		80 - 120

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

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

Lab Sample ID: LCSD 160-207384/5

Matrix: Water Analysis Batch: 207384 Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA

Analyte	Spike Added		LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane	50.0	50.7	34 Hallion	ug/L	_ =	101	69 - 135		20
1,1-Dichloroethane	50.0	50.4		ug/L		101	80 - 120	0	20
2-Butanone (MEK)	50.0	45.0		ug/L		90	68 - 128	2	20
1,2-Dichloroethane	50.0	41.3		ug/L		83	80 - 120	1	20
Acetone	50.0	51.4		ug/L		103	72 - 139	7	20
1,1-Dichloroethene	50.0	59.8		ug/L		120	77 - 121	1	20
Benzene	50.0	52.3		ug/L		105	80 - 120	0	20
1,2-Dichloropropane	50.0	49.9		ug/L		100	80 - 120	0	20
Bromodichloromethane	50.0	46.5		ug/L		93	80 - 120	3	20
Bromoform	50.0	54.0		ug/L		108	80 - 120	3	20
Bromomethane	50.0	46.3		ug/L		93	48 - 140	0	20
Carbon disulfide	50.0	59.2		ug/L		118	79 - 120	1	20
Carbon tetrachloride	50.0	45.7		ug/L		91	74 - 128	0	20
Chlorobenzene	50.0	51.2		ug/L		102	80 - 120	0	20
Chlorodibromomethane	50.0	51.2		ug/L		102	80 - 120	0	20
Chloroethane	50.0	44.4		ug/L		89	55 - 140	1	20
4-Methyl-2-pentanone (MIBK)	50.0	48.3		ug/L		97	74 - 129	5	20
Chloroform	50.0	47.8		ug/L		96	80 - 120	1	20
Chloromethane	50.0	48.4		ug/L		97	72-123	3	20
cis-1,2-Dichloroethene	50.0	53.1		ug/L		106	80 - 120	2	20
1,1,1-Trichloroethane	50.0	46.4		ug/L		93	75 - 127	2	20
Ethylbenzene	50.0	46.6		ug/L		93	80 - 120	0	20
Hexachlorobutadiene	50.0	51.1		ug/L		102	76 - 128	2	20
Isobutyl alcohol	1250	1120		ug/L		89	69 - 130	1	20
Methyl tert-butyl ether	50.0	51.2		ug/L		102	77 - 124	0	20
Methylene Chloride	50.0	55.4		ug/L		111	79-115	1	20
1,1,1,2-Tetrachloroethane	50.0	51.5		ug/L		103	80 - 120	1	20
1,1,2,2-Tetrachloroethane	50.0	53.6		ug/L		107	80 - 120	3	20
1,1,2-Trichloroethane	50.0	53.9		ug/L		108	80 - 120	0	20
trans-1,2-Dichloroethene	50.0	55.6		ug/L		111	80 - 120	1	20
Styrene	50.0	53.5		ug/L		107	80 - 120	0	20
Tetrachloroethene	50,0	52.4		ug/L		105	80 - 120	1	20
Trichloroethene	50.0	45.4		ug/L		91	80 - 120	1	20
Toluene	50.0	54.7		ug/L		109	80 - 120	1	20
Trichlorofluoromethane	50.0	49.8		ug/L		100	72 - 132	2	20
Vinyl chloride	50.0	44.0		ug/L		88	68 - 120	5	20
Xylenes, Total	100	106		ug/L		106	80 - 120	0	20
1,3-Dichloropropene, Total	100	102		ug/L		102		0	

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	85		78 - 127
4-Bromofluorobenzene (Surr)	106		75 - 123
Dibromofluoromethane (Surr)	97		80 - 120
Toluene-d8 (Surr)	107		80 - 120

Client: SEMS, Inc.

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

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

Lab Sample ID: MB 160-208119/6

Matrix: Water

Analysis Batch: 208119

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

Charles and the second	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		10	1.2	ug/L			08/26/15 20:53	1
1,1-Dichloroethane	ND		5.0	0.39	ug/L			08/26/15 20:53	1
2-Butanone (MEK)	ND		20	0.39	ug/L			08/26/15 20:53	1
1,2-Dichloroethane	ND		5.0	0.37	ug/L			08/26/15 20:53	1
Acetone	ND		20	6.7	ug/L			08/26/15 20:53	1
1,1-Dichloroethene	ND		5.0	0.37	ug/L			08/26/15 20:53	1
Benzene	ND		5.0	0.25	ug/L			08/26/15 20:53	1
1,2-Dichloropropane	ND		5.0	0.32	ug/L			08/26/15 20:53	1
Bromodichloromethane	ND		5.0	0.25	ug/L			08/26/15 20:53	1
Bromoform	ND		5.0	0.37	ug/L			08/26/15 20:53	1
Bromomethane	ND		10	0.40	ug/L			08/26/15 20:53	1
Carbon disulfide	ND		5.0	0.37	ug/L			08/26/15 20:53	1
Carbon tetrachloride	ND		5.0	0.36	ug/L			08/26/15 20:53	1
Chlorobenzene	ND		5.0	0.38	ug/L			08/26/15 20:53	1
Chlorodibromomethane	ND		5.0	0.33	ug/L			08/26/15 20:53	1
Chloroethane	ND		10	0.38				08/26/15 20:53	1
4-Methyl-2-pentanone (MIBK)	ND		20	0.33	ug/L			08/26/15 20:53	1
Chloroform	ND		5.0	0.15	ug/L			08/26/15 20:53	1
Chloromethane	ND		10	0.55	ug/L			08/26/15 20:53	1
cis-1,2-Dichloroethene	ND		5.0	0.16	ug/L			08/26/15 20:53	1
1,1,1-Trichloroethane	ND		5.0	0.29	ug/L			08/26/15 20:53	1
Ethylbenzene	ND		5.0	0.30	ug/L			08/26/15 20:53	1
Hexachlorobutadiene	ND		5.0	0.25	ug/L			08/26/15 20:53	1
Isobutyl alcohol	ND		200	7.3	ug/L			08/26/15 20:53	1
Methyl tert-butyl ether	ND		5.0	0.40	ug/L			08/26/15 20:53	1
Methylene Chloride	ND		5.0	1.7	ug/L			08/26/15 20:53	1
1,1,1,2-Tetrachloroethane	ND		5.0	0.25	ug/L			08/26/15 20:53	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	ug/L			08/26/15 20:53	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/L			08/26/15 20:53	1
trans-1,2-Dichloroethene	ND		5.0	0.18	ug/L			08/26/15 20:53	1
Styrene	ND		5.0	0.35	ug/L			08/26/15 20:53	1
Tetrachloroethene	ND		5.0	0.28	ug/L			08/26/15 20:53	1
Trichloroethene	0.363	J	5.0	0.29	ug/L			08/26/15 20:53	1
Toluene	ND		5.0	1.0	ug/L			08/26/15 20:53	1
Trichlorofluoromethane	ND		5.0	0.22				08/26/15 20:53	1
Vinyl chloride	ND		5.0	0.43				08/26/15 20:53	1
Xylenes, Total	ND		10	0.85				08/26/15 20:53	1
1,3-Dichloropropene, Total	ND		10	0.69	ug/L			08/26/15 20:53	1

MB MB

	IND IND					
Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac	
1,2-Dichloroethane-d4 (Surr)	88	78 - 127	0	8/26/15 20:53	1	
4-Bromofluorobenzene (Surr)	99	75 - 123	0	8/26/15 20:53	1	
Dibromofluoromethane (Surr)	97	80 - 120	0	8/26/15 20:53	1	
Toluene-d8 (Surr)	101	80 - 120	0	8/26/15 20:53	1	

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

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

Lab Sample ID: LCS 160-208119/3

Matrix: Water

Analysis Batch: 208119

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

Analyte	Spike Added		LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	50.0	48.5		ug/L		97	69 - 135
1,1-Dichloroethane	50.0	48.2		ug/L		96	80 - 120
2-Butanone (MEK)	50.0	44.3		ug/L		89	68 - 128
1,2-Dichloroethane	50.0	39.0	*	ug/L		78	80 - 120
Acetone	50.0	48.2		ug/L		96	72 - 139
1,1-Dichloroethene	50.0	58.4		ug/L		117	77 - 121
Benzene	50.0	49.5		ug/L		99	80 - 120
1,2-Dichloropropane	50.0	46.4		ug/L		93	80 - 120
Bromodichloromethane	50.0	44.6		ug/L		89	80 - 120
Bromoform	50.0	49.5		ug/L		99	80 - 120
Bromomethane	50.0	40.0		ug/L		80	48 - 140
Carbon disulfide	50.0	56.8		ug/L		114	79 - 120
Carbon tetrachloride	50.0	43.3		ug/L		87	74 - 128
Chlorobenzene	50.0	47.7		ug/L		95	80 - 120
Chlorodibromomethane	50.0	47.6		ug/L		95	80 - 120
Chloroethane	50.0	37.8		ug/L		76	55 - 140
4-Methyl-2-pentanone (MIBK)	50.0	46.4		ug/L		93	74 - 129
Chloroform	50.0	45.8		ug/L		92	80 - 120
Chloromethane	50.0	47.8		ug/L		96	72 - 123
cis-1,2-Dichloroethene	50.0	49.8		ug/L		100	80 - 120
1,1,1-Trichloroethane	50.0	43.8		ug/L		88	75 - 127
Ethylbenzene	50.0	43.9		ug/L		88	80 - 120
Hexachlorobutadiene	50.0	47.9		ug/L		96	76 - 128
Isobutyl alcohol	1250	1110		ug/L		89	69 - 130
Methyl tert-butyl ether	50.0	49.4		ug/L		99	77 - 124
Methylene Chloride	50.0	53.8		ug/L		108	79-115
1,1,1,2-Tetrachloroethane	50.0	48.1		ug/L		96	80 - 120
1,1,2,2-Tetrachloroethane	50.0	51.1		ug/L		102	80 - 120
1,1,2-Trichloroethane	50.0	49.0		ug/L		98	80 - 120
trans-1,2-Dichloroethene	50.0	53.4		ug/L		107	80 - 120
Styrene	50.0	50.3		ug/L		101	80 - 120
Tetrachloroethene	50.0	49.6		ug/L		99	80 - 120
Trichloroethene	50.0	42.3		ug/L		85	80 - 120
Toluene	50.0	51.3		ug/L		103	80 - 120
Trichlorofluoromethane	50.0	47.6		ug/L		95	72 - 132
Vinyl chloride	50.0	41.6		ug/L		83	68 - 120
Xylenes, Total	100	98.7		ug/L		99	80 - 120
1,3-Dichloropropene, Total	100	95.4		ug/L		95	

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	85		78 - 127
4-Bromofluorobenzene (Surr)	104		75-123
Dibromofluoromethane (Surr)	98		80 - 120
Toluene-d8 (Surr)	107		80 - 120

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

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

Lab Sample ID: LCSD 160-208119/4

Matrix: Water

Analysis Batch: 208119

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

Analyte	Spike Added		LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane	50.0	49.6	Qualitio	ug/L		99	69 - 135	2	20
1,1-Dichloroethane	50.0	46.8		ug/L		94	80 - 120	3	20
2-Butanone (MEK)	50.0	43.3		ug/L		87	68 - 128	2	20
1,2-Dichloroethane	50.0	39.8		ug/L		80	80 - 120	2	20
Acetone	50.0	42.2		ug/L		84	72 - 139	13	20
1,1-Dichloroethene	50.0	56.3		ug/L		113	77 - 121	4	20
Benzene	50.0	49.2		ug/L		98	80 - 120	1	20
1,2-Dichloropropane	50.0	46.4		ug/L		93	80 - 120	0	20
Bromodichloromethane	50.0	45.7		ug/L		91	80 - 120	2	20
Bromoform	50.0	50.9		ug/L		102	80 - 120	3	20
Bromomethane	50.0	39.1		ug/L		78	48 - 140	2	20
Carbon disulfide	50.0	54.6		ug/L		109	79 - 120	4	20
Carbon tetrachloride	50.0	42.3		ug/L		85	74 - 128	3	20
Chlorobenzene	50.0	48.2		ug/L		96	80 - 120	1	20
Chlorodibromomethane	50.0	49.1		ug/L		98	80 - 120	3	20
Chloroethane	50.0	35.2		ug/L		70	55 - 140	7	20
4-Methyl-2-pentanone (MIBK)	50.0	47.7		ug/L		95	74 - 129	3	20
Chloroform	50.0	44.7		ug/L		89	80 - 120	2	20
Chloromethane	50.0	44.0		ug/L		88	72 - 123	8	20
cis-1,2-Dichloroethene	50.0	49.3		ug/L		99	80 - 120	à	20
1,1,1-Trichloroethane	50.0	42.8		ug/L		86	75 - 127	2	20
Ethylbenzene	50.0	43.5		ug/L		87	80 - 120	1	20
Hexachlorobutadiene	50.0	48.0		ug/L		96	76 - 128	0	20
Isobutyl alcohol	1250	1120		ug/L		90	69 - 130	1	20
Methyl tert-butyl ether	50.0	49.7		ug/L		99	77 - 124	1	20
Methylene Chloride	50.0	53.2		ug/L		106	79-115	1	20
1,1,1,2-Tetrachloroethane	50.0	48.0		ug/L		96	80 - 120	0	20
1,1,2,2-Tetrachloroethane	50.0	51.8		ug/L		104	80 - 120	1	20
1,1,2-Trichloroethane	50.0	50.8		ug/L		102	80 - 120	4	20
trans-1,2-Dichloroethene	50.0	52.3		ug/L		105	80 - 120	2	20
Styrene	50.0	51.1		ug/L		102	80 - 120	1	20
Tetrachloroethene	50.0	49.6		ug/L		99	80 - 120	0	20
Trichloroethene	50.0	42.1		ug/L		84	80 - 120	0	20
Toluene	50.0	50.7		ug/L		101	80 - 120	1	20
Trichlorofluoromethane	50.0	46.2		ug/L		92	72 - 132	3	20
Vinyl chloride	50.0	38.0		ug/L		76	68 - 120	9	20
Xylenes, Total	100	98.5		ug/L		99	80 - 120	0	20
1,3-Dichloropropene, Total	100	97.9		ug/L		98		3	

LCSD	LCSD
LUGD	LUSD

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	86	444444	78 - 127
4-Bromofluorobenzene (Surr)	105		75 - 123
Dibromofluoromethane (Surr)	99		80 - 120
Toluene-d8 (Surr)	105		80 - 120

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

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

%Recovery Qualifier

86

98

94

101

١	Lab	Sa	mple	ID:	MB 1	60-20	8225/1-A	
٠			447 441	-8				

Matrix: Solid

Surrogate

Toluene-d8 (Surr)

1,2-Dichloroethane-d4 (Surr)

4-Bromofluorobenzene (Surr)

Dibromofluoromethane (Surr)

Analysis Batch: 208216

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

Prep Batch: 208225

Analysis Batom 200210	мв мі	В					riep baten.	LUULLU
Analyte	Result Qu	ualifier RL	MDL		D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND	10	1.5	ug/Kg		08/27/15 15:48	08/27/15 17:20	1
1,1-Dichloroethane	ND	5.0	0.39	ug/Kg		08/27/15 15:48	08/27/15 17:20	1
2-Butanone (MEK)	ND	20	1.9	ug/Kg		08/27/15 15:48	08/27/15 17:20	1
1,2-Dichloroethane	ND	5.0	0.87	ug/Kg		08/27/15 15:48	08/27/15 17:20	1
Acetone	ND	20	6.5	ug/Kg		08/27/15 15:48	08/27/15 17:20	1
1,1-Dichloroethene	ND	5.0	1.6	ug/Kg		08/27/15 15:48	08/27/15 17:20	1
Benzene	ND	5.0	0.25	ug/Kg		08/27/15 15:48	08/27/15 17:20	1
1,2-Dichloropropane	ND	5.0	0.38	ug/Kg		08/27/15 15:48	08/27/15 17:20	1
Bromodichloromethane	ND	5.0	0.25	ug/Kg		08/27/15 15:48	08/27/15 17:20	1
Bromoform	ND	5.0	0.37	ug/Kg		08/27/15 15:48	08/27/15 17:20	1
Bromomethane	ND	10	1.1	ug/Kg		08/27/15 15:48	08/27/15 17:20	1
Carbon disulfide	ND	5.0	0.69	ug/Kg		08/27/15 15:48	08/27/15 17:20	1
Carbon tetrachloride	ND	5.0	0.51	ug/Kg		08/27/15 15:48	08/27/15 17:20	1
Chlorobenzene	ND	5.0	0.38			08/27/15 15:48	08/27/15 17:20	1
Chlorodibromomethane	ND	5.0	0.41	ug/Kg		08/27/15 15:48	08/27/15 17:20	1
Chloroethane	ND	10		ug/Kg		08/27/15 15:48	08/27/15 17:20	1
4-Methyl-2-pentanone (MIBK)	ND	20		ug/Kg			08/27/15 17:20	1
Chloroform	ND	5.0		ug/Kg		08/27/15 15:48	08/27/15 17:20	1
Chloromethane	ND	10		ug/Kg		08/27/15 15:48	08/27/15 17:20	1
cis-1,2-Dichloroethene	ND	5.0		ug/Kg		08/27/15 15:48	08/27/15 17:20	- 1
1,1,1-Trichloroethane	ND	5.0		ug/Kg		08/27/15 15:48	08/27/15 17:20	1
Ethylbenzene	ND	5.0		ug/Kg		08/27/15 15:48	08/27/15 17:20	1
Hexachlorobutadiene	ND	5.0		ug/Kg		08/27/15 15:48	08/27/15 17:20	1
Isobutyl alcohol	ND	200	25	100		08/27/15 15:48	08/27/15 17:20	1
Methyl tert-butyl ether	ND	5.0	0.48	ug/Kg		08/27/15 15:48	08/27/15 17:20	1
Methylene Chloride	ND	5.0		ug/Kg			08/27/15 17:20	1
1,1,1,2-Tetrachloroethane	ND	5.0		ug/Kg			08/27/15 17:20	1
1,1,2,2-Tetrachloroethane	ND	5.0		ug/Kg			08/27/15 17:20	1
1,1,2-Trichloroethane	ND	5.0		ug/Kg		08/27/15 15:48	08/27/15 17:20	1
trans-1,2-Dichloroethene	ND	5.0		ug/Kg		08/27/15 15:48	08/27/15 17:20	1
Styrene	ND	5.0	0.35	ug/Kg		08/27/15 15:48	08/27/15 17:20	1
Tetrachloroethene	ND	5.0		ug/Kg		08/27/15 15:48	08/27/15 17:20	1
Trichloroethene	ND	5.0		ug/Kg			08/27/15 17:20	1
Toluene	ND	5.0		ug/Kg			08/27/15 17:20	1
Trichlorofluoromethane	ND	5.0		ug/Kg			08/27/15 17:20	1
Vinyl chloride	ND	5.0		ug/Kg			08/27/15 17:20	4
Xylenes, Total	ND	10		ug/Kg			08/27/15 17:20	1
1,3-Dichloropropene, Total	ND	10		ug/Kg			08/27/15 17:20	1
	MB M	IB .						
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TestAmerica St. Louis

Analyzed

08/27/15 15:48 08/27/15 17:20

08/27/15 15:48 08/27/15 17:20

08/27/15 15:48 08/27/15 17:20

08/27/15 15:48 08/27/15 17:20

Prepared

Limits

72-127

63 - 150

70-126

80-120

Dil Fac

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Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

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

Lab Sample ID: LCS 160-208225/2-A

Matrix: Solid

Analysis Batch: 208216

Client Sample ID: Lab Control Sample Prep Type: Total/NA Prep Batch: 208225

The state of the s	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
1,2-Dibromo-3-Chloropropane	50.0	52.5		ug/Kg		105	75 - 129	
1,1-Dichloroethane	50.0	47.6		ug/Kg		95	80 - 120	
2-Butanone (MEK)	50.0	46.7		ug/Kg		93	61 - 134	
1,2-Dichloroethane	50.0	40.0		ug/Kg		80	76 - 125	
Acetone	50.0	56.8		ug/Kg		114	59 - 129	
1,1-Dichloroethene	50.0	59.7		ug/Kg		119	80 - 120	
Benzene	50.0	49.5		ug/Kg		99	80 - 120	
1,2-Dichloropropane	50.0	48.3		ug/Kg		97	80 - 120	
Bromodichloromethane	50.0	45.9		ug/Kg		92	80 - 120	
Bromoform	50.0	52.1		ug/Kg		104	84 - 126	
Bromomethane	50.0	43.5		ug/Kg		87	74 - 128	
Carbon disulfide	50.0	56.9		ug/Kg		114	79 - 121	
Carbon tetrachloride	50.0	43.7		ug/Kg		87	80 - 125	
Chlorobenzene	50.0	47.5		ug/Kg		95	80 - 120	
Chlorodibromomethane	50.0	50.9		ug/Kg		102	80 - 120	
Chloroethane	50.0	38.9		ug/Kg		78	73 - 129	
4-Methyl-2-pentanone (MIBK)	50.0	49.2		ug/Kg		98	75 - 127	
Chloroform	50.0	45.2		ug/Kg		90	80 - 120	
Chloromethane	50.0	46.1		ug/Kg		92	70 - 129	
cis-1,2-Dichloroethene	50.0	49.9		ug/Kg		100	80 - 120	
1,1,1-Trichloroethane	50.0	44.2		ug/Kg		88	81 - 124	
Ethylbenzene	50.0	43.9		ug/Kg		88	80 - 120	
Hexachlorobutadiene	50.0	47.7		ug/Kg		95	61 - 131	
Isobutyl alcohol	1250	1240		ug/Kg		99	61 - 140	
Methyl tert-butyl ether	50.0	53.0		ug/Kg		106	83 - 124	
Methylene Chloride	50.0	53.6		ug/Kg		107	80 - 120	
1,1,1,2-Tetrachloroethane	50.0	47.8		ug/Kg		96	80 - 120	
1,1,2,2-Tetrachloroethane	50.0	53.7		ug/Kg		107	78 - 121	
1,1,2-Trichloroethane	50.0	52.0		ug/Kg		104	80 - 120	
trans-1,2-Dichloroethene	50.0	53.4		ug/Kg		107	80 - 120	
Styrene	50.0	50.4		ug/Kg		101	80 - 120	
Tetrachloroethene	50.0	48.9		ug/Kg		98	80 - 120	
Trichloroethene	50.0	42.7		ug/Kg		85	80 - 120	
Toluene	50.0	51.3		ug/Kg		103	80 - 120	
Trichlorofluoromethane	50.0	49.5		ug/Kg		99	77 - 132	
Vinyl chloride	50.0	40.4		ug/Kg		81	65 - 123	
Xylenes, Total	100	98.2		ug/Kg		98	80 - 120	
1,3-Dichloropropene, Total	100	99.6		ug/Kg		100		

00	100
	LCS

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	89		72 - 127
4-Bromofluorobenzene (Surr)	109		63 - 150
Dibromofluoromethane (Surr)	101		70-126
Toluene-d8 (Surr)	111		80 - 120

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

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

Lab Sample ID:	LCSD	160-20822	25/3-A
Matrix: Salid			

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte Added Result Qualifier Unit ug/Kg D 1,2-Dibromo-3-Chloropropane 50.0 52.1 ug/Kg 1,1-Dichloroethane 50.0 46.4 ug/Kg 2-Butanone (MEK) 50.0 46.7 ug/Kg 1,2-Dichloroethane 50.0 39.0 ug/Kg Acetone 50.0 48.7 ug/Kg 1,1-Dichloroethane 50.0 55.9 ug/Kg	%Rec 104 93 93 78 97 112 98 94 89 105 86	Himits 75 - 129 80 - 120 61 - 134 76 - 125 59 - 129 80 - 120 80 - 120 80 - 120	1 2 0 3 15 7 1 3 3	20 20 20 20 20 20 20 20 20
1,1-Dichloroethane 50.0 46.4 ug/Kg 2-Butanone (MEK) 50.0 46.7 ug/Kg 1,2-Dichloroethane 50.0 39.0 ug/Kg Acetone 50.0 48.7 ug/Kg	93 93 78 97 112 98 94 89	80 - 120 61 - 134 76 - 125 59 - 129 80 - 120 80 - 120 80 - 120	2 0 3 15 7 1 3	20 20 20 20 20 20
2-Butanone (MEK) 50.0 46.7 ug/Kg 1,2-Dichloroethane 50.0 39.0 ug/Kg Acetone 50.0 48.7 ug/Kg	93 78 97 112 98 94 89 105	61 - 134 76 - 125 59 - 129 80 - 120 80 - 120 80 - 120	0 3 15 7 1 3	20 20 20 20 20
1,2-Dichloroethane 50.0 39.0 ug/Kg Acetone 50.0 48.7 ug/Kg	78 97 112 98 94 89 105	76 - 125 59 - 129 80 - 120 80 - 120 80 - 120 80 - 120	3 15 7 1 3	20 20 20 20
Acetone 50.0 48.7 ug/Kg	97 112 98 94 89 105	59 - 129 80 - 120 80 - 120 80 - 120 80 - 120	15 7 1 3	20 20 20
77.13.14.15.1 (C. 14.15)	112 98 94 89 105	80 - 120 80 - 120 80 - 120 80 - 120	7 1 3	20 20
1.1-Dichlorgethene 50.0 55.9 ug/Kg	98 94 89 105	80 - 120 80 - 120 80 - 120	1 3	20
11 Delinorations agrity	94 89 105	80 - 120 80 - 120	3	
Benzene 50.0 49.1 ug/Kg	89 105	80 - 120	7	20
1,2-Dichloropropane 50.0 46.8 ug/Kg	105			
Bromodichloromethane 50.0 44.4 ug/Kg		04 400	3	20
Bromoform 50.0 52.3 ug/Kg	86	84 - 126	0	20
Bromomethane 50.0 42.8 ug/Kg		74 - 128	2	20
Carbon disulfide 50.0 54.0 ug/Kg	108	79 - 121	5	20
Carbon tetrachloride 50.0 42.7 ug/Kg	85	80 - 125	2	20
Chlorobenzene 50.0 47.0 ug/Kg	94	80 - 120	1	20
Chlorodibromomethane 50.0 49.2 ug/Kg	98	80 - 120	3	20
Chloroethane 50.0 37.0 ug/Kg	74	73 - 129	5	20
4-Methyl-2-pentanone (MIBK) 50.0 46.9 ug/Kg	94	75 - 127	5	20
Chloroform 50.0 44.8 ug/Kg	90	80 - 120	1	20
Chloromethane 50.0 42.8 ug/Kg	86	70 - 129	8	20
cis-1,2-Dichloroethene 50.0 48.3 ug/Kg	97	80 - 120	3	20
1,1,1-Trichloroethane 50.0 43.3 ug/Kg	87	81 - 124	2	20
Ethylbenzene 50.0 42.9 ug/Kg	86	80 - 120	2	20
Hexachlorobutadiene 50.0 48.7 ug/Kg	97	61 - 131	2	20
Isobutyl alcohol 1250 1200 ug/Kg	96	61 - 140	3	20
Methyl tert-butyl ether 50.0 50.9 ug/Kg	102	83 - 124	4	20
Methylene Chloride 50.0 52.0 ug/Kg	104	80 - 120	3	20
1,1,1,2-Tetrachloroethane 50.0 47.0 ug/Kg	94	80 - 120	2	20
1,1,2,2-Tetrachloroethane 50.0 51.4 ug/Kg	103	78 - 121	4	20
1,1,2-Trichloroethane 50.0 50.3 ug/Kg	101	80 - 120	3	20
trans-1,2-Dichloroethene 50.0 51.6 ug/Kg	103	80 - 120	3	20
Styrene 50.0 50.9 ug/Kg	102	80 - 120	1	20
Tetrachloroethene 50.0 48.2 ug/Kg	96	80 - 120	1	20
Trichloroethene 50.0 42.2 ug/Kg	84	80 - 120	1	20
Toluene 50.0 50.3 ug/Kg	101	80 - 120	2	20
Trichlorofluoromethane 50.0 46.9 ug/Kg	94	77 - 132	5	20
Vinyl chloride 50.0 37.9 ug/Kg	76	65 - 123	6	20
Xylenes, Total 100 96.8 ug/Kg	97	80 - 120	1	20
1,3-Dichloropropene, Total 100 97.9 ug/Kg	98		2	

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	87	-	72-127
4-Bromofluorobenzene (Surr)	107		63 - 150
Dibromofluoromethane (Surr)	100		70 - 126
Toluene-d8 (Surr)	108		80 - 120

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

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

Lab S	Sample	ID: 160-1	13469-23 MS
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Matrix: Solid

Analysis Batch: 208216

Client Sample ID: 2015 08 17 M1 Prep Type: Total/NA

Prep Batch: 208225

Analysis Battern 2002 to		Sample	Spike	MS	MS				%Rec.
Analyte	Result	Qualifier	Added		Qualifier	Unit	D	%Rec	Limits
1,1,1,2-Tetrachloroethane	ND	F2	66.0	65.7		ug/Kg	***	99	80 - 120
1,1,1-Trichloroethane	ND	F2	66.0	55.4		ug/Kg	325	84	83 - 128
1,1,2,2-Tetrachloroethane	ND	F2	66.0	73.6		ug/Kg	尊	112	55 - 150
1,1,2-Trichloroethane	ND	F2	66.0	69.9		ug/Kg	***	106	80 - 120
1,1-Dichloroethane	ND	F2	66.0	62.6		ug/Kg	***	95	80 - 120
1,1-Dichloroethene	ND	F2	66.0	72.7		ug/Kg	**	110	55-150
1,2-Dibromo-3-Chloropropane	ND	F2	66.0	71.9		ug/Kg	**	109	78 - 137
1,2-Dichloroethane	ND	F2	66.0	55.7		ug/Kg	**	84	64 - 137
1,2-Dichloropropane	ND	F2	66.0	62.7		ug/Kg	*	95	80 - 120
1,3-Dichloropropene, Total	ND		132	134		ug/Kg	**	101	
2-Butanone (MEK)	ND	F2	66.0	62.9		ug/Kg	**	95	56 - 130
4-Methyl-2-pentanone (MIBK)	ND	F2	66.0	65.4		ug/Kg	*	99	68 - 130
Acetone	7.4	JF1	66.0	91.7		ug/Kg	**	128	35 - 150
Benzene	ND	F2	66.0	64.5		ug/Kg	**	98	80 - 120
Bromodichloromethane	ND	F2	66.0	62.4		ug/Kg	*	94	77 - 131
Bromoform	ND	F2	66.0	72.9		ug/Kg	**	110	80 - 120
Bromomethane	ND	F2	66.0	51.4		ug/Kg	*	78	61 - 134
Carbon disulfide	ND	F2	66.0	70.2		ug/Kg	**	106	74 - 125
Carbon tetrachloride	ND	F2	66.0	54.0		ug/Kg	*	82	67 - 140
Chlorobenzene	ND	F2	66.0	62.8		ug/Kg	**	95	76 - 117
Chlorodibromomethane	ND	F2	66.0	67.7		ug/Kg	*	103	80 - 120
Chloroethane	ND	F2	66.0	47.7		ug/Kg	**	72	65 - 134
Chloroform	ND	F2	66.0	60.6		ug/Kg	*	92	79 - 124
Chloromethane	ND	F2	66.0	59.5		ug/Kg	335	90	56 - 139
cis-1,2-Dichloroethene	ND	F2	66.0	66.5		ug/Kg	**	101	75-121
Ethylbenzene	ND	F2	66.0	56.4		ug/Kg	305	85	80 - 120
Hexachlorobutadiene	ND	F2	66.0	54.6		ug/Kg	**	83	10-146
Isobutyl alcohol	ND	F2	1650	1660		ug/Kg	**	101	43 - 136
Methyl tert-butyl ether	ND	F2	66.0	70.0		ug/Kg	**	106	67 - 138
Methylene Chloride	ND	F2	66.0	70.9		ug/Kg	3,3	107	74 - 123
Styrene	ND	F2	66.0	66.4		ug/Kg	*	101	80 - 122
Tetrachloroethene	ND	F2	66.0	63.0		ug/Kg	*	95	77 - 128
Toluene	ND	F2	66.0	67.0		ug/Kg	*	102	79 - 139
trans-1,2-Dichloroethene	ND	F2	66.0	67.7		ug/Kg	**	102	75 - 121
Trichloroethene		F2	66.0	54.4		ug/Kg	*	82	75 - 123
Trichlorofluoromethane		F2	66.0	60.2		ug/Kg	*	91	67 - 146
Vinyl chloride		F2	66.0	49.2		ug/Kg	*	75	59 - 125
Xylenes, Total	ND		132	128		ug/Kg	335	97	72 - 125

S	MS
	1013

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	93		72 - 127
4-Bromofluorobenzene (Surr)	107		63 - 150
Dibromofluoromethane (Surr)	100		70 - 126
Toluene-d8 (Surr)	107		80 - 120

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

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

ı	Lab	Sam	ole ID:	160-13469-23 MSD
			the state of the s	

Matrix: Solid

Client Sample ID: 2015 08 17 M1

Prep Type: Total/NA

Analysis Batch: 208216	Sample	Sample	Spike	MSD	MSD				Prep Ba %Rec.	atch: 20	08225 RPD
Analyte	100 mm	Qualifier	Added		Qualifier	Unit	D	%Rec	Limits	RPD	Limit
1,1,1,2-Tetrachloroethane	ND	E 16 To 11 OCT 10 TO 1	48.1	48.4	X + 0 C + - 0 + 0 Y + 0 - 1	ug/Kg	- 4	101	80 - 120	30	20
1,1,1-Trichloroethane	ND	F2	48.1	42.7		ug/Kg	**	89	83 - 128	26	20
1,1,2,2-Tetrachloroethane	ND	F2	48.1	57.0	F2	ug/Kg	**	118	55 - 150	26	20
1,1,2-Trichloroethane	ND		48.1	54.1		ug/Kg	**	112	80 - 120	25	20
1,1-Dichloroethane	ND	F2	48.1	46.6	F2	ug/Kg	*	97	80 - 120	29	20
1,1-Dichloroethene	ND	F2	48.1	56.0	F2	ug/Kg	禁	116	55 - 150	26	20
1,2-Dibromo-3-Chloropropane	ND	F2	48.1	57.4	F2	ug/Kg	*	119	78 - 137	22	20
1,2-Dichloroethane	ND	F2	48.1	42.3	F2	ug/Kg	305	88	64 - 137	27	20
1,2-Dichloropropane	ND	F2	48.1	47.8	F2	ug/Kg	**	99	80 - 120	27	20
1,3-Dichloropropene, Total	ND		96.2	101		ug/Kg	328	105		28	
2-Butanone (MEK)	ND	F2	48.1	49.0	F2	ug/Kg	**	102	56 - 130	25	20
4-Methyl-2-pentanone (MIBK)	ND	F2	48.1	50.1	F2	ug/Kg	**	104	68 - 130	26	20
Acetone	7.4	JF1	48.1	82.0	F1	ug/Kg	*	155	35 - 150	11	20
Benzene	ND	F2	48.1	49.7	F2	ug/Kg	**	103	80 - 120	26	20
Bromodichloromethane	ND	F2	48.1	47.1	F2	ug/Kg	**	98	77 - 131	28	20
Bromoform	ND	F2	48.1	55.6	F2	ug/Kg	**	116	80 - 120	27	20
Bromomethane	ND	F2	48.1	40.3	F2	ug/Kg	尊	84	61 - 134	24	20
Carbon disulfide	ND	F2	48.1	53.5	F2	ug/Kg	**	111	74 - 125	27	20
Carbon tetrachloride	ND	F2	48.1	42.4	F2	ug/Kg	*	88	67 - 140	24	20
Chlorobenzene	ND	F2	48.1	48.0	F2	ug/Kg	¢	100	76-117	27	20
Chlorodibromomethane	ND	F2	48.1	50.9	F2	ug/Kg	尊	106	80 - 120	28	20
Chloroethane	ND	F2	48.1	34.2	F2	ug/Kg	**	71	65 - 134	33	20
Chloroform	ND	F2	48.1	45.0	F2	ug/Kg	数	94	79 - 124	29	20
Chloromethane	ND	F2	48.1	44.9	F2	ug/Kg	133	93	56 - 139	28	20
cis-1,2-Dichloroethene	ND	F2	48.1	50.4	F2	ug/Kg	**	105	75 - 121	28	20
Ethylbenzene	ND	F2	48.1	42.9	F2	ug/Kg	**	89	80 - 120	27	20
Hexachlorobutadiene	ND	F2	48.1	38.4	F2	ug/Kg	**	80	10-146	35	20
Isobutyl alcohol	ND	F2	1200	1270	F2	ug/Kg	435	106	43 - 136	27	20
Methyl tert-butyl ether	ND	F2	48.1	53.7	F2	ug/Kg	*	112	67 - 138	26	20
Methylene Chloride	ND	F2	48.1	53.9	F2	ug/Kg	**	112	74-123	27	20
Styrene	ND	F2	48.1	49.3	F2	ug/Kg	**	102	80 - 122	30	20
Tetrachloroethene	ND	F2	48.1	46.3	F2	ug/Kg	**	96	77 - 128	31	20
Toluene	ND	F2	48.1	51.0	F2	ug/Kg	**	106	79 - 139	27	20
trans-1,2-Dichloroethene	ND	F2	48.1	51.7	F2	ug/Kg	*	107	75 - 121	27	20
Trichloroethene	ND	F2	48.1	41.4		ug/Kg	*	86	75 - 123	27	20
Trichlorofluoromethane	ND	F2	48.1	46.5	F2	ug/Kg	**	97	67 - 146	26	20
Vinyl chloride	ND	F2	48.1	37.6	F2	ug/Kg	*	78	59-125	27	20
Xylenes, Total	ND		96.2	95.6		ug/Kg	*	99	72 - 125	29	20

MSD	MSD

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	95		72 - 127
4-Bromofluorobenzene (Surr)	113		63 - 150
Dibromofluoromethane (Surr)	103		70 - 126
Toluene-d8 (Surr)	109		80 - 120

Client: SEMS, Inc.

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

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

MB MB

Lab Sam	ple ID: ME	3 160-2084	136/1-A
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Matrix: Solid

Analysis Batch: 208418

Client Sample ID: Method Blank Prep Type: Total/NA Prep Batch: 208436

	MID MID							
Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND	10	1.5	ug/Kg		08/28/15 15:59	08/28/15 17:31	1
1,1-Dichloroethane	ND	5.0	0.39	ug/Kg		08/28/15 15:59	08/28/15 17:31	1
2-Butanone (MEK)	ND	20	1.9	ug/Kg		08/28/15 15:59	08/28/15 17:31	1
1,2-Dichloroethane	ND	5.0	0.87	ug/Kg		08/28/15 15:59	08/28/15 17:31	1
Acetone	ND	20	6.5	ug/Kg		08/28/15 15:59	08/28/15 17:31	1
1,1-Dichloroethene	ND	5.0	1.6	ug/Kg		08/28/15 15:59	08/28/15 17:31	1
Benzene	ND	5.0	0.25	ug/Kg		08/28/15 15:59	08/28/15 17:31	1
1,2-Dichloropropane	ND	5.0	0.38	ug/Kg		08/28/15 15:59	08/28/15 17:31	1
Bromodichloromethane	ND	5.0	0.25	ug/Kg		08/28/15 15:59	08/28/15 17:31	1
Bromoform	ND	5.0	0.37	ug/Kg		08/28/15 15:59	08/28/15 17:31	1
Bromomethane	ND	10	1.1	ug/Kg		08/28/15 15:59	08/28/15 17:31	1
Carbon disulfide	ND	5.0	0.69	ug/Kg		08/28/15 15:59	08/28/15 17:31	1
Carbon tetrachloride	ND	5.0	0.51	ug/Kg		08/28/15 15:59	08/28/15 17:31	1
Chlorobenzene	ND	5.0	0.38	ug/Kg		08/28/15 15:59	08/28/15 17:31	1
Chlorodibromomethane	ND	5.0	0.41	ug/Kg		08/28/15 15:59	08/28/15 17:31	1
Chloroethane	ND	10	0.52	ug/Kg		08/28/15 15:59	08/28/15 17:31	1
4-Methyl-2-pentanone (MIBK)	ND	20	0.73	ug/Kg		08/28/15 15:59	08/28/15 17:31	1
Chloroform	ND	5.0	0.38	ug/Kg		08/28/15 15:59	08/28/15 17:31	1
Chloromethane	ND	10	0.65	ug/Kg		08/28/15 15:59	08/28/15 17:31	1
cis-1,2-Dichloroethene	ND	5.0		ug/Kg		08/28/15 15:59	08/28/15 17:31	1
1,1,1-Trichloroethane	ND	5.0	0.43	ug/Kg		08/28/15 15:59	08/28/15 17:31	1
Ethylbenzene	ND	5.0	0.30	ug/Kg		08/28/15 15:59	08/28/15 17:31	1
Hexachlorobutadiene	ND	5.0	0.68	ug/Kg		08/28/15 15:59	08/28/15 17:31	1
Isobutyl alcohol	ND	200	25	ug/Kg		08/28/15 15:59	08/28/15 17:31	1
Methyl tert-butyl ether	ND	5.0	0.48	ug/Kg		08/28/15 15:59	08/28/15 17:31	1
Methylene Chloride	ND	5.0	1.6	ug/Kg		08/28/15 15:59	08/28/15 17:31	1
1,1,1,2-Tetrachloroethane	ND	5.0		ug/Kg		08/28/15 15:59	08/28/15 17:31	1
1,1,2,2-Tetrachloroethane	ND	5.0	0.40	ug/Kg		08/28/15 15:59	08/28/15 17:31	1
1,1,2-Trichloroethane	ND	5.0	0.57	ug/Kg		08/28/15 15:59	08/28/15 17:31	1
trans-1,2-Dichloroethene	ND	5.0		ug/Kg		08/28/15 15:59		1
Styrene	ND	5.0		ug/Kg		08/28/15 15:59	08/28/15 17:31	1
Tetrachloroethene	ND	5.0		ug/Kg		08/28/15 15:59	08/28/15 17:31	1
Trichloroethene	ND	5.0		ug/Kg		08/28/15 15:59	08/28/15 17:31	1
Toluene	ND	5.0		ug/Kg		08/28/15 15:59	08/28/15 17:31	1
Trichlorofluoromethane	ND	5.0		ug/Kg		08/28/15 15:59	08/28/15 17:31	1
Vinyl chloride	ND	5.0		ug/Kg		08/28/15 15:59		4
Xylenes, Total	ND	10		ug/Kg		08/28/15 15:59		1
1,3-Dichloropropene, Total	ND	10		ug/Kg		08/28/15 15:59		1

MB MB

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	88		72 - 127
4-Bromofluorobenzene (Surr)	101		63 - 150
Dibromofluoromethane (Surr)	97		70-126
Toluene-d8 (Surr)	102		80 - 120

Prepared	Analyzed	Dil Fac
08/28/15 15:59	08/28/15 17:31	1
08/28/15 15:59	08/28/15 17:31	1
08/28/15 15:59	08/28/15 17:31	1
08/28/15 15:59	08/28/15 17:31	1

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

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

Lab Sample ID: LCS 160-208436/2-A

Matrix: Solid

Analysis Batch: 208418

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

Prep Batch: 208436

Analyte 1,2-Dibromo-3-Chloropropane	Added	Result	Ougliffian	4 4			
1,2-Dibromo-3-Chloropropane			Quaimer	Unit	D	%Rec	Limits
	50.0	48.5		ug/Kg		97	75 - 129
1,1-Dichloroethane	50.0	49.2		ug/Kg		98	80 - 120
2-Butanone (MEK)	50.0	47.7		ug/Kg		95	61 - 134
1,2-Dichloroethane	50.0	41.5		ug/Kg		83	76 - 125
Acetone	50.0	47.7		ug/Kg		95	59 - 129
1,1-Dichloroethene	50.0	56.3		ug/Kg		113	80 - 120
Benzene	50.0	51.4		ug/Kg		103	80 - 120
1,2-Dichloropropane	50.0	49.6		ug/Kg		99	80 - 120
Bromodichloromethane	50.0	47.6		ug/Kg		95	80 - 120
Bromoform	50.0	51.3		ug/Kg		103	84 - 126
Bromomethane	50.0	42.3		ug/Kg		85	74 - 128
Carbon disulfide	50.0	55.5		ug/Kg		111	79 - 121
Carbon tetrachloride	50.0	44.8		ug/Kg		90	80 - 125
Chlorobenzene	50.0	50.4		ug/Kg		101	80 - 120
Chlorodibromomethane	50.0	51.2		ug/Kg		102	80 - 120
Chloroethane	50.0	41.6		ug/Kg		83	73 - 129
4-Methyl-2-pentanone (MIBK)	50.0	49.0		ug/Kg		98	75 - 127
Chloroform	50.0	47.9		ug/Kg		96	80 - 120
Chloromethane	50.0	48.6		ug/Kg		97	70 - 129
cis-1,2-Dichloroethene	50.0	51.8		ug/Kg		104	80 - 120
1,1,1-Trichloroethane	50.0	44.5		ug/Kg		89	81 - 124
Ethylbenzene	50.0	46.2		ug/Kg		92	80 - 120
Hexachlorobutadiene	50.0	47.0		ug/Kg		94	61 - 131
Isobutyl alcohol	1250	1120		ug/Kg		89	61 - 140
Methyl tert-butyl ether	50.0	52.5		ug/Kg		105	83 - 124
Methylene Chloride	50.0	54.3		ug/Kg		109	80 - 120
1,1,1,2-Tetrachloroethane	50.0	49.5		ug/Kg		99	80 - 120
1,1,2,2-Tetrachloroethane	50.0	51.2		ug/Kg		102	78 - 121
1,1,2-Trichloroethane	50.0	53.1		ug/Kg		106	80 - 120
trans-1,2-Dichloroethene	50.0	53.4		ug/Kg		107	80 - 120
Styrene	50.0	53.5		ug/Kg		107	80 - 120
Tetrachloroethene	50.0	50.7		ug/Kg		101	80 - 120
Trichloroethene	50.0	45.0		ug/Kg		90	80 - 120
Toluene	50.0	52.7		ug/Kg		105	80 - 120
Trichlorofluoromethane	50.0	49.3		ug/Kg		99	77 - 132
Vinyl chloride	50.0	43.8		ug/Kg		88	65 - 123
Xylenes, Total	100	103		ug/Kg		103	80 - 120
1,3-Dichloropropene, Total	100	101		ug/Kg		101	

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Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	93		72 - 127
4-Bromofluorobenzene (Surr)	110		63 - 150
Dibromofluoromethane (Surr)	102		70 - 126
Toluene-d8 (Surr)	110		80 - 120

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

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

Lab Sample ID: LCSD 160-208436/3-A

Matrix: Solid

Analysis Batch: 208418

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

Prep Batch: 208436

Analysis Batch: 208418	Spike	LCSD	LCSD				Prep Ba	atch: 20	08436 RPD
Analyte	Added		Qualifier	Unit	D	%Rec	Limits	RPD	Limit
1,2-Dibromo-3-Chloropropane	50.0	51.0		ug/Kg		102	75 - 129	5	20
1,1-Dichloroethane	50.0	49.0		ug/Kg		98	80 - 120	0	20
2-Butanone (MEK)	50.0	43.0		ug/Kg		86	61 - 134	10	20
1,2-Dichloroethane	50.0	41.3		ug/Kg		83	76 - 125	1	20
Acetone	50.0	49.3		ug/Kg		99	59 - 129	3	20
1,1-Dichloroethene	50.0	56.4		ug/Kg		113	80 - 120	0	20
Benzene	50.0	50.5		ug/Kg		101	80 - 120	2	20
1,2-Dichloropropane	50.0	49.2		ug/Kg		98	80 - 120	1	20
Bromodichloromethane	50.0	46.0		ug/Kg		92	80 - 120	3	20
Bromoform	50.0	51.0		ug/Kg		102	84 - 126	1	20
Bromomethane	50.0	40.0		ug/Kg		80	74 - 128	6	20
Carbon disulfide	50.0	55.3		ug/Kg		111	79 - 121	0	20
Carbon tetrachloride	50.0	44.1		ug/Kg		88	80 - 125	2	20
Chlorobenzene	50.0	48.8		ug/Kg		98	80 - 120	3	20
Chlorodibromomethane	50.0	49.0		ug/Kg		98	80 - 120	4	20
Chloroethane	50.0	38.5		ug/Kg		77	73 - 129	8	20
4-Methyl-2-pentanone (MIBK)	50.0	47.5		ug/Kg		95	75 - 127	3	20
Chloroform	50.0	47.0		ug/Kg		94	80 - 120	2	20
Chloromethane	50.0	46.5		ug/Kg		93	70 - 129	4	20
cis-1,2-Dichloroethene	50.0	51.7		ug/Kg		103	80 - 120	0	20
1,1,1-Trichloroethane	50.0	44.3		ug/Kg		89	81 - 124	0	20
Ethylbenzene	50.0	44.8		ug/Kg		90	80 - 120	3	20
Hexachlorobutadiene	50.0	47.7		ug/Kg		95	61 - 131	1	20
Isobutyl alcohol	1250	1120		ug/Kg		89	61 - 140	0	20
Methyl tert-butyl ether	50.0	51.9		ug/Kg		104	83 - 124	1	20
Methylene Chloride	50.0	55.8		ug/Kg		112	80 - 120	3	20
1,1,1,2-Tetrachloroethane	50.0	49.6		ug/Kg		99	80 - 120	Ó	20
1,1,2,2-Tetrachloroethane	50.0	51.7		ug/Kg		103	78 - 121	1	20
1,1,2-Trichloroethane	50.0	51.0		ug/Kg		102	80 - 120	4	20
trans-1,2-Dichloroethene	50.0	52.8		ug/Kg		106	80 - 120	1	20
Styrene	50.0	52.1		ug/Kg		104	80 - 120	3	20
Tetrachloroethene	50.0	49.3		ug/Kg		99	80 - 120	3	20
Trichloroethene	50.0	44.0		ug/Kg		88	80 - 120	2	20
Toluene	50.0	51.8		ug/Kg		104	80 - 120	2	20
Trichlorofluoromethane	50.0	47.2		ug/Kg		94	77 - 132	4	20
Vinyl chloride	50.0	41.1		ug/Kg		82	65 - 123	7	20
Xylenes, Total	100	101		ug/Kg		101	80 - 120	2	20
1,3-Dichloropropene, Total	100	100		ug/Kg		100		1	

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Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	88		72 - 127
4-Bromofluorobenzene (Surr)	107		63 - 150
Dibromofluoromethane (Surr)	102		70 - 126
Toluene-d8 (Surr)	107		80 - 120

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

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

Lab Sample	ID: 160-13469-37	MS
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Matrix: Solid

Analysis Batch: 208418

Client Sample ID: 2015 08 18 P0.4

Prep Type: Total/NA Prep Batch: 208436

Analyte	7.7 4.4 4.4 4.4 4.4	Sample Qualifier	Spike Added		MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	ND		46.3	46.1	2000	ug/Kg	- #	99	80 - 120
1,1,1-Trichloroethane	ND		46.3	39.4		ug/Kg	尊	85	83 - 128
1,1,2,2-Tetrachloroethane	ND		46.3	49.5		ug/Kg	**	107	55 - 150
1,1,2-Trichloroethane	ND		46.3	47.9		ug/Kg	*	103	80 - 120
1,1-Dichloroethane	ND		46.3	44.8		ug/Kg	**	97	80 - 120
1,1-Dichloroethene	ND		46.3	49.9		ug/Kg	*	108	55 - 150
1,2-Dibromo-3-Chloropropane	ND		46.3	47.7		ug/Kg	*	103	78 - 137
1,2-Dichloroethane	ND		46.3	39.4		ug/Kg	*	85	64 - 137
1,2-Dichloropropane	ND		46.3	45.3		ug/Kg	*	98	80 - 120
1,3-Dichloropropene, Total	ND		92.7	92.5		ug/Kg	*	100	
2-Butanone (MEK)	ND		46.3	42.2		ug/Kg	益	91	56 - 130
4-Methyl-2-pentanone (MIBK)	ND		46.3	45.1		ug/Kg	益	97	68 - 130
Acetone	ND		46.3	47.6		ug/Kg	**	103	35 - 150
Benzene	ND		46.3	46.3		ug/Kg	*	100	80 - 120
Bromodichloromethane	ND		46.3	42.7		ug/Kg	Ø	92	77 - 131
Bromoform	ND		46.3	48.1		ug/Kg	口口	104	80 - 120
Bromomethane	ND		46.3	35.5		ug/Kg	Ø	77	61 - 134
Carbon disulfide	ND		46.3	48.1		ug/Kg	故	104	74 - 125
Carbon tetrachloride	ND		46.3	39.3		ug/Kg	*	85	67 - 140
Chlorobenzene	ND		46.3	45.1		ug/Kg	**	97	76 - 117
Chlorodibromomethane	ND		46.3	46.2		ug/Kg	尊	100	80 - 120
Chloroethane	ND		46.3	33.0		ug/Kg	益	71	65 - 134
Chloroform	ND		46.3	43.0		ug/Kg	*	93	79 - 124
Chloromethane	ND		46.3	42.5		ug/Kg	₩	92	56 - 139
cis-1,2-Dichloroethene	ND		46.3	46.6		ug/Kg	*	100	75 - 121
Ethylbenzene	ND		46.3	40.8		ug/Kg	**	88	80 - 120
Hexachlorobutadiene	ND		46.3	41.5		ug/Kg	⇔	90	10 - 146
Isobutyl alcohol	ND		1160	1110		ug/Kg	*	96	43 - 136
Methyl tert-butyl ether	ND		46.3	47.4		ug/Kg	*	102	67 - 138
Methylene Chloride	ND		46.3	49.9		ug/Kg	**	108	74 - 123
Styrene	ND		46.3	47.3		ug/Kg	⇔	102	80 - 122
Tetrachloroethene	ND		46.3	43.9		ug/Kg	**	95	77 - 128
Toluene	ND		46.3	47.1		ug/Kg	*	102	79 - 139
trans-1,2-Dichloroethene	ND		46.3	47.2		ug/Kg	*	102	75 - 121
Trichloroethene	ND		46.3	38.3		ug/Kg	*	83	75 - 123
Trichlorofluoromethane	ND		46.3	43.6		ug/Kg	*	94	67 - 146
Vinyl chloride	ND		46.3	37.1		ug/Kg	*	80	59 - 125
Xylenes, Total	ND		92.7	91.7		ug/Kg	**	99	72 - 125

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Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	93		72-127
4-Bromofluorobenzene (Surr)	106		63 - 150
Dibromofluoromethane (Surr)	100		70-126
Toluene-d8 (Surr)	106		80 - 120

Client: SEMS, Inc.

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

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

Lab	Sampl	e ID: 1	60-134	69-37	MSD

Matrix: Solid

Analysis Batch: 208418

Client Sample ID: 2015 08 18 P0.4 Prep Type: Total/NA

Prep Batch: 208436

Analysis Batch: 208418	Sample	Sample	Spike	MSD	MSD				Prep Ba	itch: 20	08436 RPD
Analyte		Qualifier	Added		Qualifier	Unit	D	%Rec	Limits	RPD	Limit
1,1,1,2-Tetrachloroethane	ND		49.1	48.9	4441111	ug/Kg	- 1	99	80 - 120	6	20
1,1,1-Trichloroethane	ND		49.1	43.7		ug/Kg	**	89	83 - 128	10	20
1,1,2,2-Tetrachloroethane	ND		49.1	54.4		ug/Kg	**	111	55 - 150	9	20
1,1,2-Trichloroethane	ND		49.1	52.7		ug/Kg	**	107	80 - 120	10	20
1,1-Dichloroethane	ND		49.1	49.0		ug/Kg	*	100	80 - 120	9	20
1,1-Dichloroethene	ND		49.1	56.2		ug/Kg	**	114	55 - 150	12	20
1,2-Dibromo-3-Chloropropane	ND		49.1	50.6		ug/Kg	**	103	78 - 137	6	20
1,2-Dichloroethane	ND		49.1	42.0		ug/Kg	*#	86	64 - 137	6	20
1,2-Dichloropropane	ND		49.1	49.8		ug/Kg	**	101	80 - 120	9	20
1,3-Dichloropropene, Total	ND		98.2	102		ug/Kg	305	104		10	
2-Butanone (MEK)	ND		49.1	43.9		ug/Kg	**	89	56 - 130	4	20
4-Methyl-2-pentanone (MIBK)	ND		49.1	48.5		ug/Kg	325	99	68 - 130	7	20
Acetone	ND		49.1	47.0		ug/Kg	*	96	35 - 150	1	20
Benzene	ND		49.1	51.2		ug/Kg	**	104	80 - 120	10	20
Bromodichloromethane	ND		49.1	47.1		ug/Kg	**	96	77 - 131	10	20
Bromoform	ND		49.1	51.6		ug/Kg	**	105	80 - 120	7	20
Bromomethane	ND		49.1	38.5		ug/Kg	*	78	61 - 134	8	20
Carbon disulfide	ND		49.1	54.6		ug/Kg	**	111	74 - 125	13	20
Carbon tetrachloride	ND		49.1	43.4		ug/Kg	**	88	67 - 140	10	20
Chlorobenzene	ND		49.1	49.0		ug/Kg	尊	100	76 - 117	8	20
Chlorodibromomethane	ND		49.1	49.9		ug/Kg	*	102	80 - 120	8	20
Chloroethane	ND		49.1	34.2		ug/Kg	*	70	65 - 134	4	20
Chloroform	ND		49.1	47.1		ug/Kg	*	96	79 - 124	9	20
Chloromethane	ND		49.1	45.7		ug/Kg	尊	93	56 - 139	7	20
cis-1,2-Dichloroethene	ND		49.1	51.8		ug/Kg	**	105	75 - 121	11	20
Ethylbenzene	ND		49.1	43.9		ug/Kg	**	89	80 - 120	7	20
Hexachlorobutadiene	ND		49.1	46.4		ug/Kg	*	94	10 - 146	11	20
Isobutyl alcohol	ND		1230	1140		ug/Kg	**	93	43 - 136	2	20
Methyl tert-butyl ether	ND		49.1	52.8		ug/Kg	*	108	67 - 138	11	20
Methylene Chloride	ND		49.1	55.7		ug/Kg	305	113	74 - 123	11	20
Styrene	ND		49.1	51.8		ug/Kg	*	106	80 - 122	9	20
Tetrachloroethene	ND		49.1	47.3		ug/Kg	**	96	77 - 128	7	20
Toluene	ND		49.1	50.9		ug/Kg	**	104	79 - 139	8	20
trans-1,2-Dichloroethene	ND		49.1	52.3		ug/Kg	300	107	75 - 121	10	20
Trichloroethene	ND		49.1	42.2		ug/Kg	**	86	75 - 123	10	20
Trichlorofluoromethane	ND		49.1	46.0		ug/Kg	100	94	67 - 146	5	20
Vinyl chloride	ND		49.1	40.4		ug/Kg	*	82	59 - 125	8	20
Xylenes, Total	ND		98.2	99.8		ug/Kg	305	102	72 - 125	8	20

NOD WISD	ISD	MSD
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Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	93		72 - 127
4-Bromofluorobenzene (Surr)	107		63 - 150
Dibromofluoromethane (Surr)	103		70 - 126
Toluene-d8 (Surr)	107		80 - 120

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

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

Lab Sample ID: 160-13469-41 MS	Client Sample ID: 2015 08 18 F7.5
Matrix: Solid	Prep Type: Total/NA
Analysis Batch: 208418	Prep Batch: 208436
	112 112

		Sample	Spike		MS	C2-W		35	%Rec.	
Analyte		Qualifier	Added		Qualifier	Unit	D	%Rec	Limits	
1,1,1,2-Tetrachloroethane	ND	F2	71.7	70.8		ug/Kg	**	99	80 - 120	
1,1,1-Trichloroethane	ND	F2	71.7	64.9		ug/Kg	*	90	83 - 128	
1,1,2,2-Tetrachloroethane	ND	F2	71.7	78.7		ug/Kg	*	110	55 - 150	
1,1,2-Trichloroethane	ND		71.7	76.4		ug/Kg	*	107	80 - 120	
1,1-Dichloroethane	ND	F2	71.7	72.6		ug/Kg	***	101	80 - 120	
1,1-Dichloroethene	ND		71.7	75.3		ug/Kg	*	105	55 - 150	
1,2-Dibromo-3-Chloropropane	ND	F2	71.7	77.6		ug/Kg	禁	108	78 - 137	
1,2-Dichloroethane	ND	F2	71.7	68.2		ug/Kg	*	95	64 - 137	
1,2-Dichloropropane	ND	F2	71.7	73.2		ug/Kg	3#	102	80 - 120	
1,3-Dichloropropene, Total	ND		143	146		ug/Kg	益	102		
2-Butanone (MEK)	ND	F2	71.7	73.2		ug/Kg	鉄	102	56 - 130	
4-Methyl-2-pentanone (MIBK)	ND	F2	71.7	77.4		ug/Kg	尊	108	68 - 130	
Acetone	23	F1 F2	71.7	146	F1	ug/Kg	*	172	35 - 150	
Benzene	ND	F2	71.7	72.3		ug/Kg	*	101	80 - 120	
Bromodichloromethane	ND	F2	71.7	71.4		ug/Kg	*	100	77 - 131	
Bromoform	ND	F2	71.7	76.8		ug/Kg	*	107	80 - 120	
Bromomethane	ND		71.7	57.7		ug/Kg	*	80	61 - 134	
Carbon disulfide	ND		71.7	72.6		ug/Kg	**	101	74 - 125	
Carbon tetrachloride	ND	F2	71.7	63.4		ug/Kg	**	88	67 - 140	
Chlorobenzene	ND	F2	71.7	70.1		ug/Kg	**	98	76 - 117	
Chlorodibromomethane	ND	F2	71.7	71.4		ug/Kg	**	100	80 - 120	
Chloroethane	ND	F2	71.7	59.1		ug/Kg	**	82	65 - 134	
Chloroform	ND	F2	71.7	70.1		ug/Kg	*	98	79 - 124	
Chloromethane	ND	F2	71.7	71.1		ug/Kg	*	99	56 - 139	
cis-1,2-Dichloroethene	ND	F2	71.7	72.2		ug/Kg	**	101	75 - 121	
Ethylbenzene	ND		71.7	63.8		ug/Kg	*	89	80 - 120	
Hexachlorobutadiene	ND		71.7	56.0		ug/Kg	**	78	10 - 146	
Isobutyl alcohol	ND	F2	1790	2050		ug/Kg	*	114	43 - 136	
Methyl tert-butyl ether	ND	F2	71.7	78.7		ug/Kg	*	110	67 - 138	
Methylene Chloride	ND	F2	71.7	76.5		ug/Kg	*	107	74 - 123	
Styrene	ND		71.7	70.9		ug/Kg	*	99	80 - 122	
Tetrachloroethene	ND		71.7	66.0		ug/Kg	*	92	77 - 128	
Toluene	ND		71.7	71.8		ug/Kg	**	100	79 - 139	
trans-1,2-Dichloroethene	ND		71.7	71.5		ug/Kg	*	100	75 - 121	
Trichloroethene	ND	F2	71.7	62.4		ug/Kg	*	87	75 - 123	
Trichlorofluoromethane	ND	F2	71.7	71.7		ug/Kg	*	100	67 - 146	
Vinyl chloride	ND	F2	71.7	64.4		ug/Kg	**	90	59 - 125	
Xylenes, Total	ND		143	140		ug/Kg	*	98	72 - 125	

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		72-127
4-Bromofluorobenzene (Surr)	101		63 - 150
Dibromofluoromethane (Surr)	101		70 - 126
Taluana de (Cum)	400		00 400

Client: SEMS, Inc.

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

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

Lab Sample ID: 160-13469-41 MSD

Matrix: Solid

Client Sample ID: 2015 08 18 F7.5 Prep Type: Total/NA

Analysis Batch: 208418	Sample	Sample	Spike	MSD	MSD				Prep Ba	tch: 20	08436 RPD
Analyte	Result		Added		Qualifier	Unit	D	%Rec	Limits	RPD	Limit
1,1,1,2-Tetrachloroethane	ND		55.7	56.3		ug/Kg	- #	101	80 - 120	23	20
1,1,1-Trichloroethane	ND	F2	55.7	52.4		ug/Kg	101	94	83 - 128	21	20
1,1,2,2-Tetrachloroethane	ND	F2	55.7	62.1		ug/Kg	**	111	55 - 150	24	20
1,1,2-Trichloroethane	ND	F2	55.7	60.7		ug/Kg	**	109	80 - 120	23	20
1,1-Dichloroethane	ND		55.7	57.7		ug/Kg	**	103	80 - 120	23	20
1,1-Dichloroethene	ND		55.7	61.9		ug/Kg	**	111	55 - 150	20	20
1,2-Dibromo-3-Chloropropane	ND	F2	55.7	60.0	F2	ug/Kg	**	108	78 - 137	26	20
1,2-Dichloroethane	ND	F2	55.7	50.5		ug/Kg	*	91	64 - 137	30	20
1,2-Dichloropropane	ND	F2	55.7	56.9		ug/Kg	*	102	80 - 120	25	20
1,3-Dichloropropene, Total	ND		111	115		ug/Kg	**	103		24	
2-Butanone (MEK)	ND	F2	55.7	55.0	F2	ug/Kg	**	99	56-130	28	20
4-Methyl-2-pentanone (MIBK)	ND	F2	55.7	57.9	F2	ug/Kg	*	104	68 - 130	29	20
Acetone	23	F1 F2	55.7		F2	ug/Kg	**	125	35 - 150	45	20
Benzene	ND	F2	55.7	58.4		ug/Kg	*	105	80 - 120	21	20
Bromodichloromethane	ND	F2	55.7	55.5	F2	ug/Kg	**	100	77 - 131	25	20
Bromoform	ND	F2	55.7	59.4	F2	ug/Kg	*	107	80 - 120	26	20
Bromomethane	ND		55.7	47.1		ug/Kg	*	85	61 - 134	20	20
Carbon disulfide	ND		55.7	60.6		ug/Kg	*	109	74 - 125	18	20
Carbon tetrachloride	ND	F2	55.7	51.2	F2	ug/Kg	**	92	67 - 140	21	20
Chlorobenzene	ND	F2	55.7	56.4	F2	ug/Kg	尊	101	76-117	22	20
Chlorodibromomethane	ND	F2	55.7	57.3	F2	ug/Kg	**	103	80 - 120	22	20
Chloroethane	ND	F2	55.7	46.3	F2	ug/Kg	*	83	65 - 134	24	20
Chloroform	ND	F2	55.7	55.6	F2	ug/Kg	**	100	79 - 124	23	20
Chloromethane	ND	F2	55.7	55.6	F2	ug/Kg	故	100	56 - 139	24	20
cis-1,2-Dichloroethene	ND	F2	55.7	58.2	F2	ug/Kg	335	104	75-121	22	20
Ethylbenzene	ND		55.7	52.0		ug/Kg	故	93	80 - 120	20	20
Hexachlorobutadiene	ND		55.7	47.9		ug/Kg	335	86	10-146	16	20
Isobutyl alcohol	ND	F2	1390	1420	F2	ug/Kg	**	102	43 - 136	36	20
Methyl tert-butyl ether	ND	F2	55.7	59.5	F2	ug/Kg	**	107	67 - 138	28	20
Methylene Chloride	ND	F2	55.7	61.1	F2	ug/Kg	**	110	74 - 123	22	20
Styrene	ND		55.7	58.9		ug/Kg	**	106	80 - 122	18	20
Tetrachloroethene	ND		55.7	54.3		ug/Kg	故	97	77 - 128	19	20
Toluene	ND		55.7	60.1		ug/Kg	*	108	79-139	18	20
trans-1,2-Dichloroethene	ND		55.7	59.2		ug/Kg	*	106	75 - 121	19	20
Trichloroethene	ND	F2	55.7	50.0	F2	ug/Kg	×	90	75 - 123	22	20
Trichlorofluoromethane	ND	F2	55.7	55.6	F2	ug/Kg	*	100	67 - 146	25	20
Vinyl chloride	ND	F2	55.7	51.5		ug/Kg	**	92	59 - 125	22	20
Xylenes, Total	ND	F2	111	114		ug/Kg	*	102	72 - 125	21	20

USD	MSD
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Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		72 - 127
4-Bromofluorobenzene (Surr)	107		63 - 150
Dibromofluoromethane (Surr)	101		70 - 126
Toluene-d8 (Surr)	106		80 - 120

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

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

Lab Sample	ID: MB	160-208823/1-A
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Matrix: Solid

Analysis Batch: 208822

Client Sample ID: Method Blank Prep Type: Total/NA Prep Batch: 208823

Altha and a same and an article	MB	MB							
Analyte	0.000	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		10		ug/Kg		08/31/15 19:37	08/31/15 21:34	1
1,1-Dichloroethane	ND		5.0		ug/Kg		08/31/15 19:37	08/31/15 21:34	1
2-Butanone (MEK)	ND		20	1.9	ug/Kg		08/31/15 19:37	08/31/15 21:34	1
1,2-Dichloroethane	ND		5.0	0.87	ug/Kg		08/31/15 19:37	08/31/15 21:34	1
Acetone	7.93	J	20	6.5	ug/Kg		08/31/15 19:37	08/31/15 21:34	1
1,1-Dichloroethene	ND		5.0	1.6	ug/Kg		08/31/15 19:37	08/31/15 21:34	1
Benzene	ND		5.0	0.25	ug/Kg		08/31/15 19:37	08/31/15 21:34	1
1,2-Dichloropropane	ND		5.0	0.38	ug/Kg		08/31/15 19:37	08/31/15 21:34	1
Bromodichloromethane	ND		5.0	0.25	ug/Kg		08/31/15 19:37	08/31/15 21:34	1
Bromoform	ND		5.0	0.37	ug/Kg		08/31/15 19:37	08/31/15 21:34	1
Bromomethane	ND		10	1.1	ug/Kg		08/31/15 19:37	08/31/15 21:34	1
Carbon disulfide	ND		5.0	0.69	ug/Kg		08/31/15 19:37	08/31/15 21:34	1
Carbon tetrachloride	ND		5.0	0.51	ug/Kg		08/31/15 19:37	08/31/15 21:34	1
Chlorobenzene	ND		5.0	0.38	ug/Kg		08/31/15 19:37	08/31/15 21:34	1
Chlorodibromomethane	ND		5.0	0.41	ug/Kg		08/31/15 19:37	08/31/15 21:34	1
Chloroethane	ND		10	0.52	ug/Kg		08/31/15 19:37	08/31/15 21:34	1
4-Methyl-2-pentanone (MIBK)	ND		20		ug/Kg		08/31/15 19:37	08/31/15 21:34	1
Chloroform	ND		5.0		ug/Kg		08/31/15 19:37	08/31/15 21:34	1
Chloromethane	ND		10		ug/Kg		08/31/15 19:37	08/31/15 21:34	1
cis-1,2-Dichloroethene	ND		5.0	0.60	ug/Kg		08/31/15 19:37	08/31/15 21:34	1
1,1,1-Trichloroethane	ND		5.0	0.43	ug/Kg		08/31/15 19:37	08/31/15 21:34	1
Ethylbenzene	ND		5.0	0.30	ug/Kg		08/31/15 19:37	08/31/15 21:34	1
Hexachlorobutadiene	ND		5.0		ug/Kg		08/31/15 19:37	08/31/15 21:34	1
Isobutyl alcohol	ND		200		ug/Kg		08/31/15 19:37	08/31/15 21:34	1
Methyl tert-butyl ether	ND		5.0	0.48	ug/Kg		08/31/15 19:37	08/31/15 21:34	े ने
Methylene Chloride	ND		5.0	1.6	ug/Kg		08/31/15 19:37	08/31/15 21:34	1
1,1,1,2-Tetrachloroethane	ND		5.0		ug/Kg		08/31/15 19:37	08/31/15 21:34	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.40	ug/Kg		08/31/15 19:37	08/31/15 21:34	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/Kg		08/31/15 19:37	08/31/15 21:34	1
trans-1,2-Dichloroethene	ND		5.0		ug/Kg		08/31/15 19:37	08/31/15 21:34	1
Styrene	ND		5.0		ug/Kg		08/31/15 19:37	08/31/15 21:34	1
Tetrachloroethene	ND		5.0		ug/Kg		08/31/15 19:37	08/31/15 21:34	1
Trichloroethene	ND		5.0		ug/Kg			08/31/15 21:34	1
Toluene	ND		5.0		ug/Kg			08/31/15 21:34	1
Trichlorofluoromethane	ND		5.0		ug/Kg			08/31/15 21:34	1
Vinyl chloride	ND		5.0		ug/Kg			08/31/15 21:34	1
Xylenes, Total	ND		10		ug/Kg		The second of the second of the second	08/31/15 21:34	1
1,3-Dichloropropene, Total	ND		10		ug/Kg			08/31/15 21:34	1

В		В	

Surrogate	%Recovery Q	ualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		72 - 127	1,	08/31/15 21:34	1
4-Bromofluorobenzene (Surr)	125		63 - 150	08/31/15 19:37	08/31/15 21:34	1
Dibromofluoromethane (Surr)	100		70 - 126	08/31/15 19:37	08/31/15 21:34	1
Toluene-d8 (Surr)	116		80 - 120	08/31/15 19:37	08/31/15 21:34	1

Spike

Added

50.0

50.0

50.0

50.0

50.0

50.0

50.0

50.0

50.0

50.0

50.0

50.0

50.0

50.0

50.0

50.0

50.0

50.0

50.0

50.0

50.0

50.0

50.0

1250

50.0

50.0

50.0

50.0

50.0

50.0

50.0

50.0

50.0

50.0

50.0

50.0

100

100

47.0

46.8

46.9

52.8

47.7

1390

50.8

44.1

46.5

52.9

50.7

43.6

56.0

47.2

51.8

51.1

52.0

40.6

97.0

126

ug/Kg

Client: SEMS, Inc.

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

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

Lab Sample ID: LCS 160-208823/2-A

Matrix: Solid

1,1-Dichloroethane

2-Butanone (MEK)

1,2-Dichloroethane

1,1-Dichloroethene

1,2-Dichloropropane

Bromodichloromethane

Analyte

Acetone

Benzene

Bromoform

Bromomethane

Carbon disulfide

Chlorobenzene

Chloroethane

Chloroform

Chloromethane

Ethylbenzene

Isobutyl alcohol

Carbon tetrachloride

Chlorodibromomethane

cis-1,2-Dichloroethene

1,1,1-Trichloroethane

Hexachlorobutadiene

Methyl tert-butyl ether

1,1,1,2-Tetrachloroethane

1,1,2,2-Tetrachloroethane

trans-1,2-Dichloroethene

Trichlorofluoromethane

1,3-Dichloropropene, Total

Methylene Chloride

1,1,2-Trichloroethane

Tetrachloroethene

Trichloroethene

Vinyl chloride

Xylenes, Total

Styrene

Toluene

4-Methyl-2-pentanone (MIBK)

Analysis Batch: 208822

1,2-Dibromo-3-Chloropropane

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

LCS	LCS				Prep Batch: 208823 %Rec.
Result	Qualifier	Unit	D	%Rec	Limits
46.2		ug/Kg		92	75 - 129
46.9		ug/Kg		94	80 - 120
59.5		ug/Kg		119	61 - 134
54.9		ug/Kg		110	76 - 125
55.8		ug/Kg		112	59 - 129
44.2		ug/Kg		88	80 - 120
52.1		ug/Kg		104	80 - 120
52.9		ug/Kg		106	80 - 120
55.3		ug/Kg		111	80 - 120
57.0		ug/Kg		114	84 - 126
41.6		ug/Kg		83	74 - 128
43.9		ug/Kg		88	79 - 121
47.4		ug/Kg		95	80 - 125
50.9		ug/Kg		102	80 - 120
54.3		ug/Kg		109	80 - 120
43.6		ug/Kg		87	73 - 129
56.4		ug/Kg		113	75 - 127
47.5		ug/Kg		95	80 - 120

94

94

94

106

95

111

102

88

93

106

101

87

112

94

104

102

104

81

97

126

70 - 129

80 - 120

81 - 124

80 - 120

61 - 131

61-140

83 - 124

80 - 120

80 - 120

78 - 121

80-120

80 - 120

80 - 120

80 - 120

80 - 120

80 - 120

77 - 132

65 - 123

80 - 120

		Limits
111		72 - 127
117		63 - 150
91		70 - 126
102		80 - 120
	%Recovery 111 117 91	111 117 91

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

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

Lab Sample ID: LCSD 160-208823/3-A

Matrix: Solid

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

Analysis Batch: 208822	Spike	LCSD	LCSD				Prep Ba %Rec.	atch: 20	08823 RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
1,2-Dibromo-3-Chloropropane	50.0	57.4	*	ug/Kg		115	75 - 129	22	20	
1,1-Dichloroethane	50.0	50.2		ug/Kg		100	80 - 120	7	20	
2-Butanone (MEK)	50.0	69.7	*	ug/Kg		139	61 - 134	16	20	
1,2-Dichloroethane	50.0	59.2		ug/Kg		118	76 - 125	8	20	
Acetone	50.0	57.8		ug/Kg		116	59 - 129	4	20	
1,1-Dichloroethene	50.0	45.5		ug/Kg		91	80 - 120	3	20	
Benzene	50.0	51.4		ug/Kg		103	80 - 120	1	20	
1,2-Dichloropropane	50.0	55.9		ug/Kg		112	80 - 120	6	20	
Bromodichloromethane	50.0	56.2		ug/Kg		112	80 - 120	2	20	
Bromoform	50.0	57.1		ug/Kg		114	84 - 126	0	20	
Bromomethane	50.0	41.4		ug/Kg		83	74 - 128	0	20	
Carbon disulfide	50.0	45.2		ug/Kg		90	79-121	3	20	
Carbon tetrachloride	50.0	49.7		ug/Kg		99	80 - 125	5	20	
Chlorobenzene	50.0	53.5		ug/Kg		107	80 - 120	5	20	
Chlorodibromomethane	50.0	55.9		ug/Kg		112	80 - 120	3	20	
Chloroethane	50.0	43.3		ug/Kg		87	73 - 129	1	20	
4-Methyl-2-pentanone (MIBK)	50.0	67.6	*	ug/Kg		135	75 - 127	18	20	
Chloroform	50.0	49.4		ug/Kg		99	80 - 120	4	20	
Chloromethane	50.0	46.9		ug/Kg		94	70 - 129	Ó	20	
cis-1,2-Dichloroethene	50.0	49.7		ug/Kg		99	80 - 120	6	20	
1,1,1-Trichloroethane	50.0	50.3		ug/Kg		101	81 - 124	7	20	
Ethylbenzene	50.0	56.2		ug/Kg		112	80 - 120	6	20	
Hexachlorobutadiene	50.0	49.3		ug/Kg		99	61 - 131	3	20	
Isobutyl alcohol	1250	1520		ug/Kg		121	61 - 140	9	20	
Methyl tert-butyl ether	50.0	56.6		ug/Kg		113	83 - 124	11	20	
Methylene Chloride	50.0	47.2		ug/Kg		94	80 - 120	7	20	
1,1,1,2-Tetrachloroethane	50.0	51.9		ug/Kg		104	80 - 120	11	20	
1,1,2,2-Tetrachloroethane	50.0	56.2		ug/Kg		112	78 - 121	6	20	
1,1,2-Trichloroethane	50.0	54.2		ug/Kg		108	80 - 120	7	20	
trans-1,2-Dichloroethene	50.0	47.4		ug/Kg		95	80 - 120	8	20	
Styrene	50.0	57.8		ug/Kg		116	80 - 120	3	20	
Tetrachloroethene	50.0	48.8		ug/Kg		98	80 - 120	3	20	
Trichloroethene	50.0	51.9		ug/Kg		104	80 - 120	0	20	
Toluene	50.0	54.1		ug/Kg		108	80 - 120	6	20	
Trichlorofluoromethane	50.0	51.9		ug/Kg		104	77 - 132	0	20	
Vinyl chloride	50.0	41.0		ug/Kg		82	65 - 123	1	20	
Xylenes, Total	100	104		ug/Kg		104	80 - 120	7	20	
1,3-Dichloropropene, Total	100	130		ug/Kg		130	3.65.55	3	102	

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	106		72 - 127
4-Bromofluorobenzene (Surr)	118		63 - 150
Dibromofluoromethane (Surr)	94		70 - 126
Toluene-d8 (Surr)	108		80 - 120

Client: SEMS, Inc.

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

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

Lab Sample ID: MB 160-206961/1-A

Matrix: Water

Analysis Batch: 208190

Client Sample ID: Method Blank Prep Type: Total/NA Prep Batch: 206961

Analysis Batch: 200190	мв	МВ						Prep Batch:	200901
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 01:03	1
1,2,4,5-Tetrachlorobenzene	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 01:03	1
1,2,4-Trichlorobenzene	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 01:03	1
1,2-Dichlorobenzene	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 01:03	1
1,3-Dichlorobenzene	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 01:03	1
1,3-Dinitrobenzene	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 01:03	1
1,4-Dichlorobenzene	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 01:03	1
2,3,4,6-Tetrachlorophenol	ND		50	1.0	ug/L		08/21/15 12:20	08/28/15 01:03	1
2,4,5-Trichlorophenol	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 01:03	1
2,4,6-Trichlorophenol	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 01:03	1
2,4-Dichlorophenol	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 01:03	1
2,4-Dimethylphenol	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 01:03	1
2,4-Dinitrophenol	ND		50	2.0	ug/L		08/21/15 12:20	08/28/15 01:03	1
2,4-Dinitrotoluene	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 01:03	1
2,6-Dinitrotoluene	ND		10	2.2	ug/L		08/21/15 12:20	08/28/15 01:03	1
2-Chloronaphthalene	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 01:03	1
2-Chlorophenol	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 01:03	1
2-Methylnaphthalene	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 01:03	1
2-Nitroaniline	ND		10	1.1	ug/L		08/21/15 12:20	08/28/15 01:03	1
3,3'-Dichlorobenzidine	ND		50	1.3	ug/L		08/21/15 12:20	08/28/15 01:03	1
3-Nitroaniline	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 01:03	1
4-Nitroaniline	ND		10	1.0	ug/L		08/21/15 12:20		1
4-Nitrophenol	ND		10	2.0	ug/L		08/21/15 12:20	08/28/15 01:03	1
Acenaphthene	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 01:03	1
Acenaphthylene	ND		10	1.0	ug/L		08/21/15 12:20		1
Aniline	ND		10	1.3	ug/L		08/21/15 12:20	08/28/15 01:03	1
Anthracene	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 01:03	1
Benzo[a]anthracene	ND		10	1.0	ug/L		08/21/15 12:20		1
Benzo[a]pyrene	ND		10	1.0	ug/L			08/28/15 01:03	1
Benzo[b]fluoranthene	ND		10	1.0	ug/L			08/28/15 01:03	1
Benzo[k]fluoranthene	ND		10	1.0	ug/L			08/28/15 01:03	1
bis (2-chloroisopropyl) ether	ND		10	1.0	ug/L		08/21/15 12:20		4
Bis(2-chloroethyl)ether	ND		10		ug/L		08/21/15 12:20		1
Bis(2-ethylhexyl) phthalate	ND		10		ug/L		08/21/15 12:20		1
Butyl benzyl phthalate	ND		10		ug/L		08/21/15 12:20		1
Chrysene	ND		10		ug/L		08/21/15 12:20		1
Dibenz(a,h)anthracene	ND		10		ug/L		08/21/15 12:20		1
Dibenzofuran	ND		10		ug/L		08/21/15 12:20		1
Diethyl phthalate	ND		10		ug/L		08/21/15 12:20		1
Dimethyl phthalate	ND		10		ug/L		08/21/15 12:20		1
Di-n-butyl phthalate	ND		10		ug/L		08/21/15 12:20		1
Di-n-octyl phthalate	ND		10		ug/L		08/21/15 12:20		4
Fluoranthene	ND		10		ug/L		08/21/15 12:20		4
Fluorene	ND		10		ug/L		08/21/15 12:20		4
Hexachlorobenzene	ND		10		ug/L		08/21/15 12:20		1
Hexachlorobutadiene	ND		10		ug/L		08/21/15 12:20		4
Hexachlorocyclopentadiene	ND		10		ug/L		08/21/15 12:20		4
Hexachloroethane	ND		10		ug/L		08/21/15 12:20		1

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

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

Lab Sample ID: MB 160-206961/1-A

Matrix: Water

Analysis Batch: 208190

Client Sample ID: Method Blank Prep Type: Total/NA Prep Batch: 206961

MB						The second second	
Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	10	1.0	ug/L		08/21/15 12:20	08/28/15 01:03	1
	10	1.0	ug/L		08/21/15 12:20	08/28/15 01:03	1
)	10	1.0	ug/L		08/21/15 12:20	08/28/15 01:03	1
1	10	1.0	ug/L		08/21/15 12:20	08/28/15 01:03	1
)	10	1.5	ug/L		08/21/15 12:20	08/28/15 01:03	1
)	10	1.3	ug/L		08/21/15 12:20	08/28/15 01:03	1
)	10	1.0	ug/L		08/21/15 12:20	08/28/15 01:03	1
)	10	2.0	ug/L		08/21/15 12:20	08/28/15 01:03	1
)	10	1.0	ug/L		08/21/15 12:20	08/28/15 01:03	1
	10	1.0	ug/L		08/21/15 12:20	08/28/15 01:03	1
)	10	1.0	ug/L		08/21/15 12:20	08/28/15 01:03	1
	MB Qualifier O O O O O O O O O O O O O	Qualifier RL 10 10 10 10 10 10 10 10 10 10 10 10 10	t Qualifier RL MDL 0 10 1.0 10 1.0 1.0 10 1.0 1.0 10 1.5 10 1.3 10 1.0 1.0 1.0 10 1.0 1.0 1.0 10 1.0 1.0 1.0 10 1.0 1.0 1.0	Qualifier RL MDL ug/L 10 1.0 ug/L 10 1.0 ug/L 10 1.0 ug/L 10 1.0 ug/L 10 1.5 ug/L 10 1.3 ug/L 10 1.0 ug/L	t Qualifier RL MDL Unit D 0 10 1.0 ug/L 10 1.0 ug/L ug/L 10 1.0 ug/L ug/L 10 1.5 ug/L 10 1.3 ug/L 10 1.0 ug/L	t Qualifier RL MDL unit D 08/21/15 12:20 0 10 1.0 ug/L 08/21/15 12:20 0 10 1.0 ug/L 08/21/15 12:20 0 10 1.0 ug/L 08/21/15 12:20 0 10 1.5 ug/L 08/21/15 12:20 0 10 1.3 ug/L 08/21/15 12:20 0 10 1.0 ug/L 08/21/15 12:20 0 10 2.0 ug/L 08/21/15 12:20 0 10 1.0 ug/L 08/21/15 12:20 0 10 1.0 ug/L 08/21/15 12:20 0 10 1.0 ug/L 08/21/15 12:20	Qualifier RL MDL Unit D Prepared 08/21/15 12:20 Analyzed 08/28/15 01:03 D 10 1.0 ug/L 08/21/15 12:20 08/28/15 01:03 D 10 1.0 ug/L 08/21/15 12:20 08/28/15 01:03 D 10 1.0 ug/L 08/21/15 12:20 08/28/15 01:03 D 10 1.5 ug/L 08/21/15 12:20 08/28/15 01:03 D 10 1.3 ug/L 08/21/15 12:20 08/28/15 01:03 D 10 1.0 ug/L 08/21/15 12:20 08/28/15 01:03 <t< td=""></t<>

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	96		37 - 120	08/21/15 12:20	08/28/15 01:03	1
2-Fluorobiphenyl (Surr)	72		43 - 108	08/21/15 12:20	08/28/15 01:03	1
2-Fluorophenol (Surr)	49		15 - 59	08/21/15 12:20	08/28/15 01:03	1
Nitrobenzene-d5 (Surr)	76		50 - 101	08/21/15 12:20	08/28/15 01:03	1
Phenol-d5 (Surr)	38		10 - 50	08/21/15 12:20	08/28/15 01:03	1
Terphenyl-d14 (Surr)	75		21-97	08/21/15 12:20	08/28/15 01:03	1

Lab Sample ID: LCS 160-206961/2-A

Matrix: Water

Analysis Batch: 208190

Client Sample ID: Lab Control Sample Prep Type: Total/NA Prep Batch: 206961

Allalysis Datell. 200 150	Spike	LCS	LCS				%Rec.
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
1,2,4-Trichlorobenzene	200	133		ug/L		67	56 - 100
1,2-Dichlorobenzene	200	128		ug/L		64	50 - 99
1,3-Dichlorobenzene	200	125		ug/L		63	55 - 99
1,4-Dichlorobenzene	200	127		ug/L		64	47 - 99
2,4,5-Trichlorophenol	200	153		ug/L		77	56 - 113
2,4,6-Trichlorophenol	200	153		ug/L		77	47 - 116
2,4-Dichlorophenol	200	147		ug/L		73	55 - 104
2,4-Dimethylphenol	200	136		ug/L		68	53 - 99
2,4-Dinitrophenol	200	84.5	*	ug/L		42	53 - 119
2,4-Dinitrotoluene	200	163		ug/L		81	57 - 117
2,6-Dinitrotoluene	200	152		ug/L		76	59 - 117
2-Chloronaphthalene	200	133		ug/L		66	58 - 109
2-Chlorophenol	200	128		ug/L		64	47 - 97
2-Methylnaphthalene	200	135		ug/L		67	54 - 101
2-Nitroaniline	200	140		ug/L		70	57 - 120
3,3'-Dichlorobenzidine	200	139		ug/L		69	50 - 105
3-Nitroaniline	200	141		ug/L		71	47 - 113
4-Nitroaniline	200	148		ug/L		74	51 - 119
4-Nitrophenol	200	65.5		ug/L		33	20 - 47
Acenaphthene	200	132		ug/L		66	58 - 108
Acenaphthylene	200	127		ug/L		64	59 - 110
Anthracene	200	138		ug/L		69	59 - 106
Benzo[a]anthracene	200	148		ug/L		74	56 - 105

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

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

Lab Sample ID: LCS 160-206961/2-A

Matrix: Water

Analysis Batch: 208190

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

Prep Batch: 206961

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzo[a]pyrene	200	141		ug/L		71	54 - 109	_
Benzo[b]fluoranthene	200	158		ug/L		79	58 - 109	
Benzo[k]fluoranthene	200	140		ug/L		70	54 - 109	
bis (2-chloroisopropyl) ether	200	124		ug/L		62	49 - 97	
Bis(2-chloroethyl)ether	200	134		ug/L		67	58 - 109	
Bis(2-ethylhexyl) phthalate	200	147		ug/L		73	58 - 111	
Butyl benzyl phthalate	200	150		ug/L		75	56 - 111	
Chrysene	200	135		ug/L		67	55 - 107	
Dibenz(a,h)anthracene	200	160		ug/L		80	52-118	
Dibenzofuran	200	134		ug/L		67	57 - 106	
Diethyl phthalate	200	146		ug/L		73	58 - 113	
Dimethyl phthalate	200	151		ug/L		76	60 - 114	
Di-n-butyl phthalate	200	146		ug/L		73	60 - 105	
Di-n-octyl phthalate	200	151		ug/L		75	59 - 113	
Fluoranthene	200	147		ug/L		74	56 - 113	
Fluorene	200	138		ug/L		69	61 - 113	
Hexachlorobenzene	200	152		ug/L		76	57 - 113	
Hexachlorobutadiene	200	139		ug/L		70	52 - 102	
Hexachlorocyclopentadiene	200	77.4	*	ug/L		39	40 - 120	
Hexachloroethane	200	123		ug/L		62	52 - 102	
Indeno[1,2,3-cd]pyrene	200	168		ug/L		84	49 - 120	
Isophorone	200	138		ug/L		69	56-101	
Naphthalene	200	131		ug/L		66	54 - 98	
Nitrobenzene	200	137		ug/L		69	59 - 110	
N-Nitrosodi-n-propylamine	200	140		ug/L		70	59 - 115	
Pentachlorophenol	200	144		ug/L		72	49 - 115	
Phenanthrene	200	137		ug/L		69	59 - 110	
Phenol	200	67.5		ug/L		34	20 - 69	
Diphenylamine	200	135		ug/L		68	58 - 102	
Pyrene	200	144		ug/L		72	55 - 105	
N-Nitrosodiphenylamine	200	158		ug/L		79	65-119	

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
2,4,6-Tribromophenol (Surr)	93		37 - 120
2-Fluorobiphenyl (Surr)	67		43 - 108
2-Fluorophenol (Surr)	46		15 - 59
Nitrobenzene-d5 (Surr)	72		50 - 101
Phenol-d5 (Surr)	36		10 - 50
Terphenyl-d14 (Surr)	74		21-97

Lab Sample ID: MB 160-207953/1-A

Matrix: Solid

Analysis Batch: 208439

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

Prep Batch: 207953

	MR	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		330	33	ug/Kg		08/26/15 12:51	08/28/15 18:05	1
1,2,4,5-Tetrachlorobenzene	ND		330	33	ug/Kg		08/26/15 12:51	08/28/15 18:05	1
1,2,4-Trichlorobenzene	ND		330	33	ug/Kg		08/26/15 12:51	08/28/15 18:05	1

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

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

Lab Sample ID: MB 160-207953/1-A

Matrix: Solid

Analysis Batch: 208439

Client Sample ID: Method Blank

Prep Type: Total/NA Prep Batch: 207953

Allalysis Batch, 200439	мв	MB						Prep Batch:	201933
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		330	33	ug/Kg	-	08/26/15 12:51	08/28/15 18:05	1
1,3-Dichlorobenzene	ND		330	33	ug/Kg		08/26/15 12:51	08/28/15 18:05	1
1,3-Dinitrobenzene	ND		330	33	ug/Kg		08/26/15 12:51	08/28/15 18:05	1
1,4-Dichlorobenzene	ND		330	33	ug/Kg		08/26/15 12:51	08/28/15 18:05	1
2,3,4,6-Tetrachlorophenol	ND		1600	33	ug/Kg		08/26/15 12:51	08/28/15 18:05	1
2,4,5-Trichlorophenol	ND		330	33	ug/Kg		08/26/15 12:51	08/28/15 18:05	1
2,4,6-Trichlorophenol	ND		330	33	ug/Kg		08/26/15 12:51	08/28/15 18:05	1
2,4-Dichlorophenol	ND		330	33	ug/Kg		08/26/15 12:51	08/28/15 18:05	1
2,4-Dimethylphenol	ND		330	33	ug/Kg		08/26/15 12:51	08/28/15 18:05	1
2,4-Dinitrophenol	ND		1600	330	ug/Kg		08/26/15 12:51	08/28/15 18:05	1
2,4-Dinitrotoluene	ND		330	33	ug/Kg		08/26/15 12:51	08/28/15 18:05	1
2,6-Dinitrotoluene	ND		330	33	ug/Kg		08/26/15 12:51	08/28/15 18:05	1
2-Chloronaphthalene	ND		330	33			08/26/15 12:51	08/28/15 18:05	1
2-Chlorophenol	ND		330	33	and the state of the state of		08/26/15 12:51	08/28/15 18:05	1
2-Methylnaphthalene	ND		330	33	ug/Kg		08/26/15 12:51	08/28/15 18:05	1
2-Nitroaniline	ND		330		ug/Kg		08/26/15 12:51	08/28/15 18:05	1
3,3'-Dichlorobenzidine	ND		1600		ug/Kg		08/26/15 12:51	08/28/15 18:05	1
3-Nitroaniline	ND		330		ug/Kg		08/26/15 12:51	08/28/15 18:05	1
4-Nitroaniline	ND		1600		ug/Kg		08/26/15 12:51	08/28/15 18:05	1
4-Nitrophenol	ND		1600		ug/Kg		08/26/15 12:51	08/28/15 18:05	1
Acenaphthene	ND		330		ug/Kg		08/26/15 12:51		1
Acenaphthylene	ND		330	33			08/26/15 12:51		1
Aniline	ND		330		ug/Kg		08/26/15 12:51		1
Anthracene	ND		330	33	- T - T		08/26/15 12:51		1
Benzo[a]anthracene	ND		330	33				08/28/15 18:05	1
Benzo[a]pyrene	ND		330	33			08/26/15 12:51		4
Benzo[b]fluoranthene	ND		330	33	120			08/28/15 18:05	1
Benzo[k]fluoranthene	ND		330	33			08/26/15 12:51		1
bis (2-chloroisopropyl) ether	ND		330	33			08/26/15 12:51		1
Bis(2-chloroethyl)ether	ND		330	33			08/26/15 12:51		1
Bis(2-ethylhexyl) phthalate	ND		330	45			08/26/15 12:51		1
Butyl benzyl phthalate	ND		330	33			08/26/15 12:51		1
Chrysene	ND		330	33			08/26/15 12:51		1
Dibenz(a,h)anthracene	ND		330	33	-		08/26/15 12:51		1
Dibenzofuran	ND		330	33			08/26/15 12:51		1
Diethyl phthalate	ND		330		ug/Kg		08/26/15 12:51	- [3] [4] [4] [4] [4] [4] [4] [4] [4] [4] [4	1
Dimethyl phthalate	ND		330		ug/Kg		08/26/15 12:51		4
Di-n-butyl phthalate	ND		330		ug/Kg		08/26/15 12:51		4
Di-n-octyl phthalate	ND		330		ug/Kg			08/28/15 18:05	1
Fluoranthene	ND		330		ug/Kg			08/28/15 18:05	1
Fluorene	ND		330		ug/Kg			08/28/15 18:05	1
Hexachlorobenzene	ND		330		ug/Kg			08/28/15 18:05	4
Hexachlorobutadiene	ND		330		ug/Kg			08/28/15 18:05	
Hexachlorocyclopentadiene	ND		1600		ug/Kg			08/28/15 18:05	,
Hexachloroethane	ND		330		ug/Kg				1
Indeno[1,2,3-cd]pyrene	ND		330		ug/Kg		08/26/15 12:51	08/28/15 18:05	
Isophorone	ND		330		ug/Kg		08/26/15 12:51		
Naphthalene	ND				1000				
rvapridialerie	ND		330	33	ug/Kg		00/20/15 12:51	08/28/15 18:05	1

TestAmerica St. Louis

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Client: SEMS, Inc.

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

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

Lab Sample ID: MB 160-207953/1-A

Matrix: Solid

Analysis Batch: 208439

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

Prep Batch: 207953

433433	МВ		(22)	1120	21.1	- 2	12006-004	Wilder of the Control	and the same
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	ND		330	33	ug/Kg		08/26/15 12:51	08/28/15 18:05	1
N-Nitrosodi-n-propylamine	ND		330	33	ug/Kg		08/26/15 12:51	08/28/15 18:05	1
Pentachlorophenol	ND		660	330	ug/Kg		08/26/15 12:51	08/28/15 18:05	1
Phenanthrene	ND		330	33	ug/Kg		08/26/15 12:51	08/28/15 18:05	1
Phenol	ND		330	33	ug/Kg		08/26/15 12:51	08/28/15 18:05	1
Diphenylamine	ND		330	33	ug/Kg		08/26/15 12:51	08/28/15 18:05	1
Pyrene	ND		330	33	ug/Kg		08/26/15 12:51	08/28/15 18:05	1
N-Nitrosodiphenylamine	ND		330	33	ug/Kg		08/26/15 12:51	08/28/15 18:05	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	777		46-111		+	1
2-Fluorobiphenyl (Surr)	76		56 - 97	08/26/15 12:51	08/28/15 18:05	1
2-Fluorophenol (Surr)	71		53 - 97	08/26/15 12:51	08/28/15 18:05	1
Nitrobenzene-d5 (Surr)	74		55 - 98	08/26/15 12:51	08/28/15 18:05	1
Phenol-d5 (Surr)	76		54 - 101	08/26/15 12:51	08/28/15 18:05	1
Terphenyl-d14 (Surr)	72		58 - 123	08/26/15 12:51	08/28/15 18:05	1

Lab Sample ID: LCS 160-207953/2-A

Matrix: Solid

Analysis Batch: 208439

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 207953

Spike LCS LCS %Rec. Analyte Added Result Qualifier Unit D %Rec Limits 1,2,4-Trichlorobenzene 6670 5110 ug/Kg 77 60 - 91 1,2-Dichlorobenzene 6670 4740 ug/Kg 71 59 - 90 1,3-Dichlorobenzene 6670 4730 ug/Kg 71 57 - 88 1,4-Dichlorobenzene 6670 4780 72 ug/Kg 58 - 88 2,4,5-Trichlorophenol 6670 5380 ug/Kg 81 59 - 94 2,4,6-Trichlorophenol 6670 5290 ug/Kg 79 59 - 95 2,4-Dichlorophenol 6670 5200 ug/Kg 78 59-90 2,4-Dimethylphenol 6670 4900 ug/Kg 73 54 - 108 2,4-Dinitrophenol 6670 1210 J* 18 ug/Kg 20 - 100 2,4-Dinitrotoluene 6670 5370 ug/Kg 81 61 - 103 2,6-Dinitrotoluene 6670 77 5120 ug/Kg 63 - 99 2-Chloronaphthalene 6670 74 4960 ug/Kg 61-94 2-Chlorophenol 6670 4900 73 60 - 91 ug/Kg 2-Methylnaphthalene 6670 4930 74 ug/Kg 59 - 90 2-Nitroaniline 6670 4750 71 58 - 105 ug/Kg 3,3'-Dichlorobenzidine 6670 5040 76 50 - 90 ug/Kg 3-Nitroaniline 6670 4730 71 55-91 ug/Kg 4-Nitroaniline 6670 4770 ug/Kg 72 57 - 94 4-Nitrophenol 6670 4630 69 ug/Kg 54 - 101 Acenaphthene 6670 4850 ug/Kg 73 63 - 95 Acenaphthylene 6670 4900 74 ug/Kg 62 - 98 Anthracene 6670 73 4870 ug/Kg 63 - 100 Benzo[a]anthracene 6670 5090 76 74-114 ug/Kg Benzo[a]pyrene 6670 5170 78 ug/Kg 63 - 103Benzo[b]fluoranthene 6670 5350 ug/Kg 80 68 - 109 Benzo[k]fluoranthene 6670 4760 ug/Kg 71 69-111

Client: SEMS, Inc.

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

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

Lab Sample ID: LCS 160-207953/2-A

Matrix: Solid

Analysis Batch: 208439

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

Prep Batch: 207953

Charles and the second second	Spike	LCS	LCS				%Rec.
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
bis (2-chloroisopropyl) ether	6670	4180		ug/Kg		63	47 - 105
Bis(2-chloroethyl)ether	6670	4540		ug/Kg		68	58 - 92
Bis(2-ethylhexyl) phthalate	6670	5070		ug/Kg		76	63 - 112
Butyl benzyl phthalate	6670	5130		ug/Kg		77	59 - 111
Chrysene	6670	4700		ug/Kg		70	66 - 100
Dibenz(a,h)anthracene	6670	5820		ug/Kg		87	67 - 114
Dibenzofuran	6670	4870		ug/Kg		73	58 - 95
Diethyl phthalate	6670	4900		ug/Kg		73	62 - 97
Dimethyl phthalate	6670	5130		ug/Kg		77	63 - 98
Di-n-butyl phthalate	6670	4900		ug/Kg		74	62 - 104
Di-n-octyl phthalate	6670	5110		ug/Kg		77	61 - 111
Fluoranthene	6670	4990		ug/Kg		75	63 - 101
Fluorene	6670	4970		ug/Kg		75	62 - 96
Hexachlorobenzene	6670	5350		ug/Kg		80	62 - 106
Hexachlorobutadiene	6670	5410		ug/Kg		81	57 - 94
Hexachlorocyclopentadiene	6670	5880		ug/Kg		88	40 - 115
Hexachloroethane	6670	4780		ug/Kg		72	59 - 93
Indeno[1,2,3-cd]pyrene	6670	5960		ug/Kg		89	65 - 120
Isophorone	6670	4620		ug/Kg		69	57 - 86
Naphthalene	6670	4830		ug/Kg		72	60 - 90
Nitrobenzene	6670	4730		ug/Kg		71	58 - 95
N-Nitrosodi-n-propylamine	6670	4650		ug/Kg		70	60 - 104
Pentachlorophenol	6670	4590		ug/Kg		69	50 - 100
Phenanthrene	6670	4790		ug/Kg		72	63 - 99
Phenol	6670	4520		ug/Kg		68	53 - 89
Diphenylamine	6670	5020	*	ug/Kg		75	78 - 133
Pyrene	6670	5060		ug/Kg		76	64 - 102
N-Nitrosodiphenylamine	6670	5870		ug/Kg		88	78 - 133
7 Table 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1							

Surrogate	%Recovery	Qualifier	Limits
2,4,6-Tribromophenol (Surr)	93		46-111
2-Fluorobiphenyl (Surr)	75		56 - 97
2-Fluorophenol (Surr)	73		53 - 97
Nitrobenzene-d5 (Surr)	74		55 - 98
Phenol-d5 (Surr)	75		54 - 101
Terphenyl-d14 (Surr)	74		58 - 123

Lab Sample ID: 160-13469-16 MS

Matrix: Solid

Analysis Batch: 208439

Client	Sample	ID:	201	5.08	3.17	7.H-4	
	1		Land.			1/51 A	

Prep Type: Total/NA Prep Batch: 207953

Talayolo Batolii 200400	Sample	Sample	Spike	MS	MS				%Rec.
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
1,2,4-Trichlorobenzene	ND		8460	5560		ug/Kg	*	66	51 - 87
1,2-Dichlorobenzene	ND		8460	5090		ug/Kg	**	60	46 - 85
1,3-Dichlorobenzene	ND		8460	4970		ug/Kg	*	59	42 - 84
1,4-Dichlorobenzene	ND		8460	5060		ug/Kg	*	60	45 - 83
2,4,5-Trichlorophenol	ND		8460	5980		ug/Kg	305	71	55 - 95
2,4,6-Trichlorophenol	ND		8460	5920		ug/Kg	鉄	70	48 - 98

Client: SEMS, Inc.

Phenanthrene

N-Nitrosodiphenylamine

Phenol

Pyrene

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

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

Lab Sample ID: 160-13469-16 MS Matrix: Solid

Client Sample ID: 2015.08.17.H-4 Prep Type: Total/NA

	Analysis Batch: 208439	Sample	Sample	Spike	MS	MS				Prep Batch: 2079 %Rec.
	Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
	2,4-Dichlorophenol	ND		8460	5650		ug/Kg	*	67	47 - 94
	2,4-Dimethylphenol	ND		8460	5450		ug/Kg	菜	64	33 - 109
	2,4-Dinitrophenol	ND	*	8460	3610		ug/Kg	禁	43	13 - 103
	2,4-Dinitrotoluene	ND		8460	5830		ug/Kg	**	69	55 - 108
	2,6-Dinitrotoluene	ND		8460	5710		ug/Kg	尊	67	58 - 101
	2-Chloronaphthalene	ND		8460	5640		ug/Kg	**	67	55 - 92
	2-Chlorophenol	ND		8460	5440		ug/Kg	**	64	47 - 90
	2-Methylnaphthalene	ND		8460	5400		ug/Kg	⇔	64	52 - 88
	2-Nitroaniline	ND		8460	5190		ug/Kg	**	61	52 - 108
	3,3'-Dichlorobenzidine	ND		8460	5110		ug/Kg	故	60	10 - 84
	3-Nitroaniline	ND		8460	5010		ug/Kg	尊	59	44 - 103
	4-Nitroaniline	ND		8460	5090		ug/Kg	*	60	43 - 102
	4-Nitrophenol	ND		8460	4950		ug/Kg	*	58	48 - 105
	Acenaphthene	ND		8460	5470		ug/Kg	0	65	57 - 94
	Acenaphthylene	ND		8460	5520		ug/Kg	尊	65	57 - 97
	Anthracene	ND		8460	5560		ug/Kg	禁	66	58 - 99
	Benzo[a]anthracene	ND		8460	5750		ug/Kg	尊	68	68 - 114
	Benzo[a]pyrene	ND		8460	5890		ug/Kg	尊	70	61-102
	Benzo[b]fluoranthene	ND		8460	5900		ug/Kg	101	70	63 - 107
	Benzo[k]fluoranthene	ND	F1	8460	5450	F1	ug/Kg	**	64	65 - 108
	bis (2-chloroisopropyl) ether	ND		8460	4560		ug/Kg	335	54	42-97
	Bis(2-chloroethyl)ether	ND		8460	5010		ug/Kg	335	59	50 - 88
	Bis(2-ethylhexyl) phthalate	ND		8460	5660		ug/Kg	**	67	60-110
	Butyl benzyl phthalate	ND		8460	5690		ug/Kg	数	67	56 - 110
	Chrysene	ND		8460	5380		ug/Kg	₩	64	61 - 100
	Dibenz(a,h)anthracene	ND		8460	6570		ug/Kg	**	78	59 - 118
	Dibenzofuran	ND		8460	5460		ug/Kg	₩	65	55 - 93
	Diethyl phthalate	ND		8460	5440		ug/Kg	*	64	58 - 100
	Dimethyl phthalate	ND		8460	5670		ug/Kg	尊	67	59 - 100
1	Di-n-butyl phthalate	ND		8460	5530		ug/Kg	**	65	58 - 106
	Di-n-octyl phthalate	ND		8460	5820		ug/Kg	⇔	69	58 - 113
	Diphenylamine	ND	*	8460	5630		ug/Kg	*	67	52 - 131
	Fluoranthene	ND		8460	5600		ug/Kg	*	66	58 - 103
Ì	Fluorene	ND		8460	5530		ug/Kg	⇔	65	58 - 97
	Hexachlorobenzene	ND		8460	6120		ug/Kg	*	72	59 - 105
	Hexachlorobutadiene	ND		8460	5840		ug/Kg	**	69	47 - 89
ı	Hexachlorocyclopentadiene	ND		8460	6480		ug/Kg	*	77	17 - 112
	Hexachloroethane	ND		8460	4960		ug/Kg	**	59	43 - 88
	Indeno[1,2,3-cd]pyrene	ND		8460	6830		ug/Kg	*	81	56 - 123
	Isophorone	ND		8460	5080		ug/Kg	**	60	52 - 84
	Naphthalene	ND		8460	5280		ug/Kg	101	62	52 - 86
	Nitrobenzene	ND		8460	5170		ug/Kg	325	61	52 - 90
	N-Nitrosodi-n-propylamine	ND		8460	5150		ug/Kg	**	61	55 - 99
1	Pentachlorophenol	ND		8460	5730		ug/Kg	**	68	35 - 104
1	Dhananthrana	NID		0400	FF00			NA.	0.0	00 00

TestAmerica St. Louis

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65

58

68

78

60-98

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53 - 106

52 - 131

ug/Kg

ug/Kg

ug/Kg

ug/Kg

5500

4900

5750

6580

8460

8460

8460

8460

ND

ND

ND

ND

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

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

MS MS

Lab Sample ID: 160-13469-16 MS

Matrix: Solid

Analysis Batch: 208439

Client Sample ID: 2015.08.17.H-4

Prep Type: Total/NA

Prep Batch: 207953

Surrogate	%Recovery	Qualifier	Limits
2-Fluorobiphenyl (Surr)	67		56-97
2-Fluorophenol (Surr)	65		53-97
Nitrobenzene-d5 (Surr)	64		55-98
Phenol-d5 (Surr)	64		54 - 101
Terphenyl-d14 (Surr)	64		58 - 123
2,4,6-Tribromophenol (Surr)	76		46-111

Lab Sample ID: 160-13469-16 MSD

Matrix: Solid

Client Samp	le ID	: 2015	.08.1	7.H-4
	Den	Tuna	. Tat	-I/ALA

Analysis Batch: 208439	Sample	Sample	Spike	MSD	MSD				Prep Ba %Rec.	atch: 20	07953 RPD
Analyte		Qualifier	Added		Qualifier	Unit	D	%Rec	Limits	RPD	Limit
1,2,4-Trichlorobenzene	ND		8450	5800		ug/Kg	- 35	69	51 - 87	4	30
1,2-Dichlorobenzene	ND		8450	5180		ug/Kg	*	61	46 - 85	2	30
1,3-Dichlorobenzene	ND		8450	5080		ug/Kg	**	60	42 - 84	2	30
1,4-Dichlorobenzene	ND		8450	5070		ug/Kg	**	60	45 - 83	0	30
2,4,5-Trichlorophenol	ND		8450	5970		ug/Kg	**	71	55 - 95	0	30
2,4,6-Trichlorophenol	ND		8450	6010		ug/Kg	袋	71	48 - 98	1	30
2,4-Dichlorophenol	ND		8450	5730		ug/Kg	尊	68	47 - 94	1	30
2,4-Dimethylphenol	ND		8450	5500		ug/Kg	**	65	33 - 109	1	30
2,4-Dinitrophenol	ND	*	8450	3310		ug/Kg	*	39	13 - 103	9	30
2,4-Dinitrotoluene	ND		8450	5740		ug/Kg	尊	68	55 - 108	2	30
2,6-Dinitrotoluene	ND		8450	5680		ug/Kg	*	67	58 - 101	1	30
2-Chloronaphthalene	ND		8450	5790		ug/Kg	*	69	55-92	3	30
2-Chlorophenol	ND		8450	5430		ug/Kg	*	64	47 - 90	0	30
2-Methylnaphthalene	ND		8450	5500		ug/Kg	*	65	52 - 88	2	30
2-Nitroaniline	ND		8450	5220		ug/Kg		62	52 - 108	1	30
3,3'-Dichlorobenzidine	ND		8450	4670		ug/Kg	*	55	10 - 84	9	30
3-Nitroaniline	ND		8450	4840		ug/Kg	尊	57	44 - 103	3	30
4-Nitroaniline	ND		8450	4830		ug/Kg	尊	57	43 - 102	5	30
4-Nitrophenol	ND		8450	4730		ug/Kg	*	56	48 - 105	4	30
Acenaphthene	ND		8450	5490		ug/Kg	数	65	57 - 94	0	30
Acenaphthylene	ND		8450	5570		ug/Kg	*	66	57 - 97	1	30
Anthracene	ND		8450	5560		ug/Kg	*	66	58 - 99	0	30
Benzo[a]anthracene	ND		8450	5700		ug/Kg	**	68	68 - 114	1	30
Benzo[a]pyrene	ND		8450	5800		ug/Kg	禁	69	61 - 102	1	30
Benzo[b]fluoranthene	ND		8450	5770		ug/Kg	故	68	63 - 107	2	30
Benzo[k]fluoranthene	ND	F1	8450	5480		ug/Kg	Þ	65	65 - 108	1	30
bis (2-chloroisopropyl) ether	ND		8450	4690		ug/Kg	**	56	42-97	3	30
Bis(2-chloroethyl)ether	ND		8450	5130		ug/Kg	*	61	50 - 88	2	30
Bis(2-ethylhexyl) phthalate	ND		8450	5620		ug/Kg	鉄	67	60 - 110	- 1	30
Butyl benzyl phthalate	ND		8450	5690		ug/Kg	尊	67	56-110	0	30
Chrysene	ND		8450	5330		ug/Kg	**	63	61 - 100	1	30
Dibenz(a,h)anthracene	ND		8450	6500		ug/Kg	**	77	59 - 118	1	30
Dibenzofuran	ND		8450	5440		ug/Kg	**	64	55 - 93	0	30
Diethyl phthalate	ND		8450	5320		ug/Kg	*	63	58 - 100	2	30
Dimethyl phthalate	ND		8450	5610		ug/Kg	335	66	59 - 100	1	30
Di-n-butyl phthalate	ND		8450	5500		ug/Kg	**	65	58 - 106	0	30

Client: SEMS, Inc.

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

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

Lab Sample ID: 160-13469-16 MSD

Matrix: Solid

Analysis Batch: 208439

Client Sample ID: 2015.08.17.H-4 Prep Type: Total/NA

Prep Batch: 207953

Analysis Baton, 200400	Sample	Sample	Spike	MSD	MSD				%Rec.	aton. 20	RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Di-n-octyl phthalate	ND		8450	5790		ug/Kg	禁	69	58 - 113	0	30
Diphenylamine	ND	•	8450	5540		ug/Kg	*	66	52 - 131	1	30
Fluoranthene	ND		8450	5440		ug/Kg	**	64	58 - 103	3	30
Fluorene	ND		8450	5480		ug/Kg	**	65	58-97	1	30
Hexachlorobenzene	ND		8450	6200		ug/Kg	**	73	59 - 105	1	30
Hexachlorobutadiene	ND		8450	6140		ug/Kg	*	73	47 - 89	5	30
Hexachlorocyclopentadiene	ND		8450	6990		ug/Kg	**	83	17-112	8	30
Hexachloroethane	ND		8450	5140		ug/Kg	**	61	43 - 88	4	30
Indeno[1,2,3-cd]pyrene	ND		8450	6770		ug/Kg	3\$	80	56 - 123	1	30
Isophorone	ND		8450	5220		ug/Kg	**	62	52 - 84	3	30
Naphthalene	ND		8450	5440		ug/Kg	**	64	52 - 86	3	30
Nitrobenzene	ND		8450	5420		ug/Kg	**	64	52-90	5	30
N-Nitrosodi-n-propylamine	ND		8450	5170		ug/Kg	*	61	55 - 99	0	30
Pentachlorophenol	ND		8450	5420		ug/Kg	*	64	35 - 104	6	30
Phenanthrene	ND		8450	5480		ug/Kg	**	65	60 - 98	0	30
Phenol	ND		8450	4900		ug/Kg	*	58	43 - 90	0	30
Pyrene	ND		8450	5720		ug/Kg	**	68	53 - 106	1	30
N-Nitrosodiphenylamine	ND		8450	6480		ug/Kg	**	77	52 - 131	1	30
		UVD -									

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
2-Fluorobiphenyl (Surr)	70		56 - 97
2-Fluorophenol (Surr)	65		53-97
Nitrobenzene-d5 (Surr)	68		55-98
Phenol-d5 (Surr)	64		54 - 101
Terphenyl-d14 (Surr)	66		58 - 123
2.4.6-Tribromophenol (Surr)	77		46 - 111

Lab Sample ID: MB 160-208641/1-A

Matrix: Solid

Analysis Batch: 209078

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

Prep Batch: 208641

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		330	33	ug/Kg	= =	08/31/15 10:17	09/02/15 10:09	1
1,2,4,5-Tetrachlorobenzene	ND		330	33	ug/Kg		08/31/15 10:17	09/02/15 10:09	1
1,2,4-Trichlorobenzene	ND		330	33	ug/Kg		08/31/15 10:17	09/02/15 10:09	1
1,2-Dichlorobenzene	ND		330	33	ug/Kg		08/31/15 10:17	09/02/15 10:09	1
1,3-Dichlorobenzene	ND		330	33	ug/Kg		08/31/15 10:17	09/02/15 10:09	1
1,3-Dinitrobenzene	ND		330	33	ug/Kg		08/31/15 10:17	09/02/15 10:09	1
1,4-Dichlorobenzene	ND		330	33	ug/Kg		08/31/15 10:17	09/02/15 10:09	1
2,3,4,6-Tetrachlorophenol	ND		1600	33	ug/Kg		08/31/15 10:17	09/02/15 10:09	1
2,4,5-Trichlorophenol	ND		330	33	ug/Kg		08/31/15 10:17	09/02/15 10:09	1
2,4,6-Trichlorophenol	ND		330	33	ug/Kg		08/31/15 10:17	09/02/15 10:09	1
2,4-Dichlorophenol	ND		330	33	ug/Kg		08/31/15 10:17	09/02/15 10:09	1
2,4-Dimethylphenol	ND		330	33	ug/Kg		08/31/15 10:17	09/02/15 10:09	1
2,4-Dinitrophenol	ND		1600	330	ug/Kg		08/31/15 10:17	09/02/15 10:09	1
2,4-Dinitrotoluene	ND		330	33	ug/Kg		08/31/15 10:17	09/02/15 10:09	1
2,6-Dinitrotoluene	ND		330	33	ug/Kg		08/31/15 10:17	09/02/15 10:09	1
2-Chloronaphthalene	ND		330	33	ug/Kg		08/31/15 10:17	09/02/15 10:09	1

Client: SEMS, Inc.

Project/Site: Camp Minden Baseline Project

Lab Sample ID: MB 160-208641/1-A

TestAmerica Job ID: 160-13469-1

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

Matrix: Solid			
A	 		

Analysis Batch: 209078

2,4,6-Tribromophenol (Surr)

2-Fluorobiphenyl (Surr)

2-Fluorophenol (Surr)

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

Prep Batch: 208641

THE PARTY OF THE P	MB	МВ						Transfer and the second	27 3 3 11 1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorophenol	ND		330	33	ug/Kg		08/31/15 10:17	09/02/15 10:09	1
2-Methylnaphthalene	ND		330	33	ug/Kg		08/31/15 10:17	09/02/15 10:09	1
2-Nitroaniline	ND		330	33	ug/Kg		08/31/15 10:17	09/02/15 10:09	1
3,3'-Dichlorobenzidine	ND		1600	330	ug/Kg		08/31/15 10:17	09/02/15 10:09	1
3-Nitroaniline	ND		330	33	ug/Kg		08/31/15 10:17	09/02/15 10:09	1
4-Nitroaniline	ND		1600		ug/Kg		08/31/15 10:17	09/02/15 10:09	1
4-Nitrophenol	ND		1600		ug/Kg		08/31/15 10:17	09/02/15 10:09	1
Acenaphthene	ND		330		ug/Kg		08/31/15 10:17	09/02/15 10:09	1
Acenaphthylene	ND		330		ug/Kg		08/31/15 10:17	09/02/15 10:09	1
Aniline	ND		330	60			08/31/15 10:17	09/02/15 10:09	1
Anthracene	ND		330	33	7.7			09/02/15 10:09	1
Benzo[a]anthracene	ND		330		ug/Kg			09/02/15 10:09	1
Benzo[a]pyrene	ND		330	33	1.12		08/31/15 10:17		1
Benzo[b]fluoranthene	ND		330	33			08/31/15 10:17		4
Benzo[k]fluoranthene	ND		330		ug/Kg		08/31/15 10:17		1
bis (2-chloroisopropyl) ether	ND		330		ug/Kg		08/31/15 10:17		1
Bis(2-chloroethyl)ether	ND		330		ug/Kg		08/31/15 10:17		4
Bis(2-ethylhexyl) phthalate	115	J	330		ug/Kg		08/31/15 10:17		1
Butyl benzyl phthalate	ND		330		ug/Kg		08/31/15 10:17	" 751.TT (T. 1717)	1
Chrysene	ND		330		ug/Kg		08/31/15 10:17		4
Dibenz(a,h)anthracene	ND		330		ug/Kg		08/31/15 10:17		4
Dibenzofuran	ND		330		ug/Kg		08/31/15 10:17		4
	ND		330	33	100 E T 1 T T T T				
Diethyl phthalate	ND		330				08/31/15 10:17		
Dimethyl phthalate					ug/Kg		08/31/15 10:17		
Di-n-butyl phthalate	ND		330	33			08/31/15 10:17		1
Di-n-octyl phthalate	ND		330	33			08/31/15 10:17		1
Fluoranthene	ND		330	33	10000			09/02/15 10:09	1
Fluorene	ND		330	33			08/31/15 10:17		1
Hexachlorobenzene	ND		330		ug/Kg		08/31/15 10:17		1
Hexachlorobutadiene	ND		330	33	0.00		08/31/15 10:17		1
Hexachlorocyclopentadiene	ND		1600		ug/Kg		08/31/15 10:17		1
Hexachloroethane	ND		330	33			08/31/15 10:17		1
Indeno[1,2,3-cd]pyrene	ND		330	33				09/02/15 10:09	1
Isophorone	ND		330		ug/Kg			09/02/15 10:09	1
Naphthalene	ND		330	33				09/02/15 10:09	1
Nitrobenzene	ND		330		ug/Kg		08/31/15 10:17	09/02/15 10:09	1
N-Nitrosodi-n-propylamine	ND		330		ug/Kg		08/31/15 10:17	09/02/15 10:09	1
Pentachlorophenol	ND		660		ug/Kg		08/31/15 10:17	09/02/15 10:09	1
Phenanthrene	ND		330		ug/Kg		08/31/15 10:17	09/02/15 10:09	1
Phenol	ND		330		ug/Kg		08/31/15 10:17	09/02/15 10:09	1
Diphenylamine	ND		330	33	ug/Kg		08/31/15 10:17	09/02/15 10:09	1
Pyrene	ND		330	33	ug/Kg		08/31/15 10:17	09/02/15 10:09	1
N-Nitrosodiphenylamine	ND		330	33	ug/Kg		08/31/15 10:17	09/02/15 10:09	1
		MB							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

TestAmerica St. Louis

08/31/15 10:17 09/02/15 10:09

08/31/15 10:17 09/02/15 10:09

08/31/15 10:17 09/02/15 10:09

46-111

56-97

53-97

97

92

83

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

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

Lab Sample ID: MB 160-208641/1-A

Lab Sample ID: LCS 160-208641/2-A

Matrix: Solid

Matrix: Solid

Analysis Batch: 209078

Analysis Batch: 209078

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

Prep Batch: 208641

ME	3 /	И	В

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	86	55 - 98	08/31/15 10:17	09/02/15 10:09	1
Phenol-d5 (Surr)	87	54 - 101	08/31/15 10:17	09/02/15 10:09	1
Terphenyl-d14 (Surr)	85	58 - 123	08/31/15 10:17	09/02/15 10:09	1

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 208641

Analysis Batton, 200070	Spike		LCS				%Rec.
Analyte 1,2,4-Trichlorobenzene	Added 6670	5610	Qualifier	Unit	D	%Rec	Limits
1,2-Dichlorobenzene	6670			ug/Kg		84	60 - 91
1,3-Dichlorobenzene		5400		ug/Kg		81	59 - 90
1,4-Dichlorobenzene	6670 6670	5260 5370		ug/Kg		79	57 - 88
2,4,5-Trichlorophenol	6670			ug/Kg		81	58 - 88
2,4,6-Trichlorophenol		6040		ug/Kg		91	59 - 94
2,4-Dichlorophenol	6670	5940		ug/Kg		89	59 - 95
2,4-Dichlorophenol	6670 6670	5780		ug/Kg		87	59 - 90
		5150		ug/Kg		77	54 - 108
2,4-Dinitrophenol	6670	1940		ug/Kg		29	20 - 100
2,4-Dinitrotoluene	6670	6190		ug/Kg		93	61 - 103
2,6-Dinitrotoluene	6670	5820		ug/Kg		87	63 - 99
2-Chloronaphthalene	6670	5550		ug/Kg		83	61 - 94
2-Chlorophenol	6670	5560		ug/Kg		83	60 - 91
2-Methylnaphthalene	6670	5460		ug/Kg		82	59 - 90
2-Nitroaniline	6670	5370		ug/Kg		81	58 - 105
3,3'-Dichlorobenzidine	6670	5620		ug/Kg		84	50 - 90
3-Nitroaniline	6670	5370		ug/Kg		81	55 - 91
4-Nitroaniline	6670	5520		ug/Kg		83	57 - 94
4-Nitrophenol	6670	5350		ug/Kg		80	54 - 101
Acenaphthene	6670	5440		ug/Kg		82	63 - 95
Acenaphthylene	6670	5440		ug/Kg		82	62 - 98
Anthracene	6670	5540		ug/Kg		83	63 - 100
Benzo[a]anthracene	6670	5810		ug/Kg		87	74 - 114
Benzo[a]pyrene	6670	5910		ug/Kg		89	63 - 103
Benzo[b]fluoranthene	6670	6250		ug/Kg		94	68 - 109
Benzo[k]fluoranthene	6670	5530		ug/Kg		83	69 - 111
bis (2-chloroisopropyl) ether	6670	4750		ug/Kg		71	47 - 105
Bis(2-chloroethyl)ether	6670	5020		ug/Kg		75	58 - 92
Bis(2-ethylhexyl) phthalate	6670	5830		ug/Kg		87	63 - 112
Butyl benzyl phthalate	6670	5770		ug/Kg		87	59 - 111
Chrysene	6670	5390		ug/Kg		81	66 - 100
Dibenz(a,h)anthracene	6670	6630		ug/Kg		99	67 - 114
Dibenzofuran	6670	5530		ug/Kg		83	58 - 95
Diethyl phthalate	6670	5660		ug/Kg		85	62 - 97
Dimethyl phthalate	6670	5740		ug/Kg		86	63 - 98
Di-n-butyl phthalate	6670	5730		ug/Kg		86	62 - 104
Di-n-octyl phthalate	6670	6020		ug/Kg		90	61 - 111
Fluoranthene	6670	5810		ug/Kg		87	63 - 101
Fluorene	6670	5640		ug/Kg		85	62 - 96

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

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

Lab Sample ID: LCS 160-208641/2-A

Matrix: Solid

Analysis Batch: 209078

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

Prep Batch: 208641

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Hexachlorobenzene	6670	5980	-	ug/Kg		90	62 - 106	
Hexachlorobutadiene	6670	5960		ug/Kg		89	57 - 94	
Hexachlorocyclopentadiene	6670	6590		ug/Kg		99	40 - 115	
Hexachloroethane	6670	5330		ug/Kg		80	59 - 93	
Indeno[1,2,3-cd]pyrene	6670	6920		ug/Kg		104	65 - 120	
Isophorone	6670	5030		ug/Kg		75	57 - 86	
Naphthalene	6670	5320		ug/Kg		80	60 - 90	
Nitrobenzene	6670	5130		ug/Kg		77	58 - 95	
N-Nitrosodi-n-propylamine	6670	5290		ug/Kg		79	60 - 104	
Pentachlorophenol	6670	5240		ug/Kg		79	50 - 100	
Phenanthrene	6670	5460		ug/Kg		82	63 - 99	
Phenol	6670	5030		ug/Kg		75	53 - 89	
Diphenylamine	6670	5600		ug/Kg		84	78 - 133	
Pyrene	6670	5520		ug/Kg		83	64 - 102	
N-Nitrosodiphenylamine	6670	6550		ug/Kg		98	78 - 133	

CS LCS

Surrogate	%Recovery	775753	Limits
2,4,6-Tribromophenol (Surr)	105		46-111
2-Fluorobiphenyl (Surr)	85		56 - 97
2-Fluorophenol (Surr)	82		53 - 97
Nitrobenzene-d5 (Surr)	81		55-98
Phenol-d5 (Surr)	84		54 - 101
Terphenyl-d14 (Surr)	82		58 - 123

Lab Sample ID: 160-13469-23 MS

Matrix: Solid

Analysis Batch: 209078

CI	ient	Samp	le ID	: 201	5 08	17 M1

Prep Type: Total/NA

Prep Batch: 208641

Analysis Batch: 2090/8	Sample	Sample	Spike	MS	MS				%Rec.
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
1,2,4-Trichlorobenzene	ND	F1	7390	6410		ug/Kg	*	87	51 - 87
1,2-Dichlorobenzene	ND	F1	7390	6030		ug/Kg	**	82	46 - 85
1,3-Dichlorobenzene	ND	F1	7390	5880		ug/Kg	*	80	42 - 84
1,4-Dichlorobenzene	ND	F1	7390	6030		ug/Kg	**	82	45 - 83
2,4,5-Trichlorophenol	ND	F1	7390	6890		ug/Kg	*	93	55 - 95
2,4,6-Trichlorophenol	ND		7390	6710		ug/Kg	禁	91	48 - 98
2,4-Dichlorophenol	ND		7390	6520		ug/Kg	*	88	47 - 94
2,4-Dimethylphenol	ND		7390	6270		ug/Kg	袋	85	33 - 109
2,4-Dinitrophenol	ND		7390	5760		ug/Kg	*	78	13 - 103
2,4-Dinitrotoluene	ND		7390	7010		ug/Kg	尊	95	55 - 108
2,6-Dinitrotoluene	ND		7390	6470		ug/Kg	*	87	58 - 101
2-Chloronaphthalene	ND		7390	6250		ug/Kg	*	85	55 - 92
2-Chlorophenol	ND		7390	6160		ug/Kg	333	83	47 - 90
2-Methylnaphthalene	ND	F1	7390	6180		ug/Kg	禁	84	52 - 88
2-Nitroaniline	ND		7390	5930		ug/Kg	*	80	52 - 108
3,3'-Dichlorobenzidine	ND	F1	7390	5760		ug/Kg	*	78	10 - 84
3-Nitroaniline	ND		7390	5760		ug/Kg	尊	78	44 - 103
4-Nitroaniline	ND		7390	6130		ug/Kg	225	83	43 - 102
4-Nitrophenol	ND		7390	6010		ug/Kg	305	81	48 - 105

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

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

Lab Sample ID: 160-13469-23 MS

Matrix: Solid

Analysis Batch: 209078

Client Sample ID: 2015 08 17 M1 Prep Type: Total/NA

Prep Batch: 208641

Analysis Daton. 2000/6	Sample	Sample	Spike	мѕ	MS				%Rec.
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Acenaphthene	ND		7390	6060		ug/Kg	*	82	57 - 94
Acenaphthylene	ND		7390	6160		ug/Kg	*	83	57 - 97
Anthracene	ND		7390	6190		ug/Kg	数	84	58 - 99
Benzo[a]anthracene	ND		7390	6490		ug/Kg	**	88	68 - 114
Benzo[a]pyrene	ND		7390	6650		ug/Kg	***	90	61 - 102
Benzo[b]fluoranthene	ND		7390	6760		ug/Kg	**	91	63 - 107
Benzo[k]fluoranthene	ND		7390	6210		ug/Kg	**	84	65 - 108
bis (2-chloroisopropyl) ether	ND		7390	5200		ug/Kg	*	70	42-97
Bis(2-chloroethyl)ether	ND		7390	5620		ug/Kg	**	76	50 - 88
Bis(2-ethylhexyl) phthalate	ND		7390	6500		ug/Kg	*	88	60 - 110
Butyl benzyl phthalate	ND		7390	6520		ug/Kg	*	88	56 - 110
Chrysene	ND		7390	6020		ug/Kg	**	81	61 - 100
Dibenz(a,h)anthracene	ND		7390	7490		ug/Kg	*	101	59 - 118
Dibenzofuran	ND		7390	6210		ug/Kg	**	84	55 - 93
Diethyl phthalate	ND		7390	6270		ug/Kg	**	85	58 - 100
Dimethyl phthalate	ND		7390	6450		ug/Kg	**	87	59 - 100
Di-n-butyl phthalate	ND		7390	6350		ug/Kg	*	86	58 - 106
Di-n-octyl phthalate	ND		7390	6710		ug/Kg	*	91	58 - 113
Diphenylamine	ND		7390	6250		ug/Kg	**	85	52 - 131
Fluoranthene	ND		7390	6450		ug/Kg	*	87	58 - 103
Fluorene	ND		7390	6300		ug/Kg	*	85	58 - 97
Hexachlorobenzene	ND		7390	6710		ug/Kg	**	91	59 - 105
Hexachlorobutadiene	ND	F1	7390	6740	F1	ug/Kg	*	91	47 - 89
Hexachlorocyclopentadiene	ND		7390	7480		ug/Kg	**	101	17-112
Hexachloroethane	ND		7390	6040		ug/Kg	*	82	43 - 88
Indeno[1,2,3-cd]pyrene	ND		7390	7800		ug/Kg	*	106	56 - 123
Isophorone	ND		7390	5710		ug/Kg	*	77	52 - 84
Naphthalene	ND	F1	7390	6000		ug/Kg	**	81	52 - 86
Nitrobenzene	ND		7390	5870		ug/Kg	**	79	52 - 90
N-Nitrosodi-n-propylamine	ND		7390	5820		ug/Kg	**	79	55 - 99
Pentachlorophenol	ND		7390	6430		ug/Kg	**	87	35 - 104
Phenanthrene	ND		7390	6100		ug/Kg	**	82	60 - 98
Phenol	ND		7390	5620		ug/Kg	**	76	43 - 90
Pyrene	ND		7390	6230		ug/Kg	**	84	53 - 106
N-Nitrosodiphenylamine	ND		7390	7310		ug/Kg	**	99	52 - 131

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Surrogate	%Recovery	Qualifier	Limits
2-Fluorobiphenyl (Surr)	86		56 - 97
2-Fluorophenol (Surr)	82		53 - 97
Nitrobenzene-d5 (Surr)	83		55 - 98
Phenol-d5 (Surr)	84		54 - 101
Terphenyl-d14 (Surr)	84		58 - 123
2,4,6-Tribromophenol (Surr)	110		46-111

Client: SEMS, Inc.

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

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

Lab Sample ID: 160-13469-23 MSD Client Sample ID: 2015 08 17 M1

Prep Type: Total/NA Matrix: Solid

Analysis Batch: 209078	10000	Buda	200	1220	Men				Prep Ba		
Analyte	100,000	Sample Qualifier	Spike Added		MSD	Unit	-	0/17	%Rec.	555	RPD
1,2,4-Trichlorobenzene	ND	10. T 17 17 10 10 10 10 10 10 10 10 10 10 10 10 10	7390	6870	Qualifier F1	ug/Kg	_ p	%Rec	Limits 51 - 87	RPD 7	Limit 30
1,2-Dichlorobenzene	ND		7390	6410		ug/Kg ug/Kg	*	87	46 - 85		
1,3-Dichlorobenzene	ND		7390	6320		2.14.310.23	*	86	42 - 84	6 7	30
1,4-Dichlorobenzene	ND		7390	6380		ug/Kg	**		45 - 83		
	ND					ug/Kg	*	86		6	30
2,4,5-Trichlorophenol 2,4,6-Trichlorophenol		FI	7390	7210	F)	ug/Kg	325	98	55 - 95	5	30
FALSE - LANGE OF STREET	ND		7390	7180		ug/Kg		97	48 - 98	7	30
2,4-Dichlorophenol	ND		7390	6880		ug/Kg	*	93	47 - 94	5	30
2,4-Dimethylphenol	ND		7390	6660		ug/Kg	*	90	33 - 109	6	30
2,4-Dinitrophenol	ND		7390	6200		ug/Kg	*	84	13 - 103	7	30
2,4-Dinitrotoluene	ND		7390	7310		ug/Kg	*	99	55 - 108	4	30
2,6-Dinitrotoluene	ND		7390	6970		ug/Kg	*	94	58 - 101	7	30
2-Chloronaphthalene	ND		7390	6720		ug/Kg	**	91	55 - 92	7	30
2-Chlorophenol	ND	20	7390	6500	2.0	ug/Kg	*	88	47 - 90	5	30
2-Methylnaphthalene	ND	F1	7390	6560	F1	ug/Kg	**	89	52 - 88	6	30
2-Nitroaniline	ND		7390	6350		ug/Kg	**	86	52 - 108	7	30
3,3'-Dichlorobenzidine	ND	F1	7390	6360	F1	ug/Kg	**	86	10 - 84	10	30
3-Nitroaniline	ND		7390	5930		ug/Kg	拉	80	44 - 103	3	30
4-Nitroaniline	ND		7390	6440		ug/Kg	*	87	43 - 102	5	30
4-Nitrophenol	ND		7390	6280		ug/Kg	**	85	48 - 105	4	30
Acenaphthene	ND		7390	6520		ug/Kg	××	88	57 - 94	7	30
Acenaphthylene	ND		7390	6540		ug/Kg	**	88	57 - 97	6	30
Anthracene	ND		7390	6580		ug/Kg	鉄	89	58 - 99	6	30
Benzo[a]anthracene	ND		7390	6930		ug/Kg	尊	94	68 - 114	7	30
Benzo[a]pyrene	ND		7390	7070		ug/Kg	禁	96	61 - 102	6	30
Benzo[b]fluoranthene	ND		7390	7170		ug/Kg	**	97	63 - 107	6	30
Benzo[k]fluoranthene	ND		7390	6660		ug/Kg	***	90	65 - 108	7	30
bis (2-chloroisopropyl) ether	ND		7390	5610		ug/Kg	×	76	42-97	8	30
Bis(2-chloroethyl)ether	ND		7390	6050		ug/Kg	***	82	50 - 88	7	30
Bis(2-ethylhexyl) phthalate	ND		7390	6910		ug/Kg	*	94	60 - 110	6	30
Butyl benzyl phthalate	ND		7390	6920		ug/Kg	**	94	56-110	6	30
Chrysene	ND		7390	6460		ug/Kg	⇔	87	61 - 100	7	30
Dibenz(a,h)anthracene	ND		7390	7900		ug/Kg	**	107	59-118	5	30
Dibenzofuran	ND		7390	6620		ug/Kg	⇔	90	55 - 93	6	30
Diethyl phthalate	ND		7390	6640		ug/Kg	*	90	58 - 100	6	30
Dimethyl phthalate	ND		7390	6810		ug/Kg	**	92	59 - 100	5	30
Di-n-butyl phthalate	ND		7390	6740		ug/Kg	**	91	58 - 106	6	30
Di-n-octyl phthalate	ND		7390	7140		ug/Kg	**	97	58 - 113	6	30
Diphenylamine	ND		7390	6740		ug/Kg	*	91	52 - 131	8	30
Fluoranthene	ND		7390	6890		ug/Kg	**	93	58 - 103	7	30
Fluorene	ND		7390	6650		ug/Kg	*	90	58 - 97	6	30
Hexachlorobenzene	ND		7390	7270		ug/Kg	335	98	59 - 105	8	30
Hexachlorobutadiene	ND		7390	7290	F1	ug/Kg	**	99	47 - 89	8	30
Hexachlorocyclopentadiene	ND	(1)	7390	8120	2.3	ug/Kg	**	110	17-112	8	30
Hexachloroethane	ND		7390	6390		ug/Kg	*	86	43 - 88	6	30
Indeno[1,2,3-cd]pyrene	ND		7390	8150		ug/Kg	**	110	56 - 123	4	30
Isophorone	ND		7390	6120		ug/Kg	*	83	52 - 84	7	30
Naphthalene	ND		7390	6400	F1	ug/Kg ug/Kg	**	87	52 - 86	6	30
Nitrobenzene	ND		7390	6210		ug/Kg ug/Kg	*	84	52 - 90	6	30

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

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

Lab Sample ID: 160-13469-23 MSD

Matrix: Solid

Analysis Batch: 209078

Client Sample ID: 2015 08 17 M1 Prep Type: Total/NA

Prep Batch: 208641

The state of the s											
	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
N-Nitrosodi-n-propylamine	ND		7390	6240		ug/Kg	*	84	55 - 99	7	30
Pentachlorophenol	ND		7390	6840		ug/Kg	⇔	93	35 - 104	6	30
Phenanthrene	ND		7390	6510		ug/Kg	尊	88	60 - 98	7	30
Phenol	ND		7390	5960		ug/Kg	鉄	81	43 - 90	6	30
Pyrene	ND		7390	6650		ug/Kg	尊	90	53 - 106	7	30
N-Nitrosodiphenylamine	ND		7390	7880		ug/Kg	**	107	52 - 131	8	30

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
2-Fluorobiphenyl (Surr)	92		56 - 97
2-Fluorophenol (Surr)	86		53 - 97
Nitrobenzene-d5 (Surr)	89		55 - 98
Phenol-d5 (Surr)	89		54 - 101
Terphenyl-d14 (Surr)	88		58-123
2,4,6-Tribromophenol (Surr)	115	X	46-111

Client Sample ID: 2015 08 18 P0.4

Prep Type: Total/NA Prep Batch: 208641

Lab Sample ID: 160-13469-37 MS Matrix: Solid

Analysis Batch: 209078	Sample	Sample	Spike	MS	MS				Prep Batch: 2086 %Rec.
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
1,2,4-Trichlorobenzene	ND	F1	8380	7240		ug/Kg	**	86	51 - 87
1,2-Dichlorobenzene	ND		8380	6690		ug/Kg	*	80	46 - 85
1,3-Dichlorobenzene	ND		8380	6610		ug/Kg	鉄	79	42-84
1,4-Dichlorobenzene	ND	F1	8380	6720		ug/Kg	#	80	45 - 83
2,4,5-Trichlorophenol	ND		8380	7770		ug/Kg	鉄	93	55 - 95
2,4,6-Trichlorophenol	ND		8380	7530		ug/Kg	*	90	48 - 98
2,4-Dichlorophenol	ND		8380	7260		ug/Kg	300	87	47 - 94
2,4-Dimethylphenol	ND		8380	6700		ug/Kg	尊	80	33 - 109
2,4-Dinitrophenol	ND		8380	4680		ug/Kg	**	56	13 - 103
2,4-Dinitrotoluene	ND		8380	7610		ug/Kg	**	91	55 - 108
2,6-Dinitrotoluene	ND		8380	7270		ug/Kg	3\$5	87	58 - 101
2-Chloronaphthalene	ND		8380	7090		ug/Kg	*	85	55 - 92
2-Chlorophenol	ND		8380	6850		ug/Kg	**	82	47 - 90
2-Methylnaphthalene	ND		8380	6940		ug/Kg	**	83	52 - 88
2-Nitroaniline	ND		8380	6530		ug/Kg	**	78	52 - 108
3,3'-Dichlorobenzidine	ND	F1	8380	6750		ug/Kg	**	81	10 - 84
3-Nitroaniline	ND		8380	6210		ug/Kg	**	74	44 - 103
4-Nitroaniline	ND		8380	6630		ug/Kg	**	79	43 - 102
4-Nitrophenol	ND		8380	6360		ug/Kg	**	76	48 - 105
Acenaphthene	ND		8380	6860		ug/Kg	*	82	57 - 94
Acenaphthylene	ND		8380	6900		ug/Kg	*	82	57 - 97
Anthracene	ND		8380	6910		ug/Kg	*	83	58 - 99
Benzo[a]anthracene	ND		8380	7310		ug/Kg	**	87	68-114
Benzo[a]pyrene	ND		8380	7400		ug/Kg	尊	88	61 - 102
Benzo[b]fluoranthene	ND		8380	7500		ug/Kg	**	90	63 - 107
Benzo[k]fluoranthene	ND		8380	6990		ug/Kg	尊	83	65 - 108
bis (2-chloroisopropyl) ether	ND		8380	5720		ug/Kg	**	68	42 - 97
Bis(2-chloroethyl)ether	ND		8380	6200		ug/Kg		74	50 - 88

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

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

Lab Sample ID: 160-13469-37 MS

Matrix: Solid

Analysis Batch: 209078

Client Sample ID: 2015 08 18 P0.4

Prep Type: Total/NA Prep Batch: 208641

Analysis Batch: 2090/6	Sample	Sample	Spike	мѕ	мѕ				%Rec.
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Bis(2-ethylhexyl) phthalate	ND		8380	7230		ug/Kg	#	86	60 - 110
Butyl benzyl phthalate	ND		8380	7220		ug/Kg	数	86	56 - 110
Chrysene	ND		8380	6750		ug/Kg	**	81	61 - 100
Dibenz(a,h)anthracene	ND		8380	8100		ug/Kg	**	97	59 - 118
Dibenzofuran	ND		8380	6930		ug/Kg	***	83	55 - 93
Diethyl phthalate	ND		8380	6930		ug/Kg	**	83	58 - 100
Dimethyl phthalate	ND		8380	7230		ug/Kg	**	86	59 - 100
Di-n-butyl phthalate	ND		8380	7030		ug/Kg	#	84	58 - 106
Di-n-octyl phthalate	ND		8380	7450		ug/Kg	305	89	58 - 113
Diphenylamine	ND		8380	7110		ug/Kg	*	85	52 - 131
Fluoranthene	ND		8380	7240		ug/Kg	**	86	58 - 103
Fluorene	ND		8380	7040		ug/Kg	**	84	58 - 97
Hexachlorobenzene	ND		8380	7570		ug/Kg	¥\$	90	59 - 105
Hexachlorobutadiene	ND	F1	8380	7850	F1	ug/Kg	*	94	47 - 89
Hexachlorocyclopentadiene	ND		8380	8200		ug/Kg	**	98	17-112
Hexachloroethane	ND		8380	6690		ug/Kg	*	80	43 - 88
Indeno[1,2,3-cd]pyrene	ND		8380	8470		ug/Kg	鉄	101	56 - 123
Isophorone	ND		8380	6400		ug/Kg	**	76	52 - 84
Naphthalene	ND		8380	6800		ug/Kg	***	81	52 - 86
Nitrobenzene	ND		8380	6590		ug/Kg	**	79	52 - 90
N-Nitrosodi-n-propylamine	ND		8380	6470		ug/Kg	**	77	55 - 99
Pentachlorophenol	ND		8380	6940		ug/Kg	尊	83	35 - 104
Phenanthrene	ND		8380	6820		ug/Kg	*	81	60 - 98
Phenol	ND		8380	6160		ug/Kg	**	74	43 - 90
Pyrene	ND		8380	6980		ug/Kg	尊	83	53 - 106
N-Nitrosodiphenylamine	ND		8380	8310		ug/Kg	⇔	99	52 - 131

Surrogate	MS %Recovery	MS Qualifier	Limits
2-Fluorobiphenyl (Surr)	86	77.	56-97
2-Fluorophenol (Surr)	81		53 - 97
Nitrobenzene-d5 (Surr)	82		55-98
Phenol-d5 (Surr)	80		54 - 101
Terphenyl-d14 (Surr)	82		58 - 123
2,4,6-Tribromophenol (Surr)	106		46-111

Lab Sample ID: 160-13469-37 MSD

Matrix: Solid

Analysis Batch: 209078

Client Sample ID: 2015 08 18 P0.4

Prep Type: Total/NA Prep Batch: 208641

The state of the s	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
1,2,4-Trichlorobenzene	ND	F1	8350	7460	F1	ug/Kg	13	89	51 - 87	3	30
1,2-Dichlorobenzene	ND		8350	6980		ug/Kg	尊	84	46 - 85	4	30
1,3-Dichlorobenzene	ND		8350	6830		ug/Kg	鉄	82	42 - 84	3	30
1,4-Dichlorobenzene	ND	F1	8350	6980	F1	ug/Kg	*	84	45 - 83	4	30
2,4,5-Trichlorophenol	ND		8350	7880		ug/Kg	欽	94	55 - 95	1	30
2,4,6-Trichlorophenol	ND		8350	7850		ug/Kg	*	94	48 - 98	4	30
2,4-Dichlorophenol	ND		8350	7450		ug/Kg	欽	89	47 - 94	2	30
2,4-Dimethylphenol	ND		8350	6990		ug/Kg	**	84	33 - 109	4	30

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

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

Lab Sample ID: 160-13469- Matrix: Solid	37 MSD						Clien	t Samp	Prep Ty		
Analysis Batch: 209078									Prep Ba		
CANAGE CONTRACTOR STATES	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
2,4-Dinitrophenol	ND		8350	3920		ug/Kg	Þ	47	13 - 103	18	30
2,4-Dinitrotoluene	ND		8350	7850		ug/Kg	粹	94	55 - 108	3	30
2,6-Dinitrotoluene	ND		8350	7490		ug/Kg	**	90	58 - 101	3	30
2-Chloronaphthalene	ND		8350	7290		ug/Kg	尊	87	55 - 92	3	30
2-Chlorophenol	ND		8350	7090		ug/Kg	**	85	47 - 90	4	30
2-Methylnaphthalene	ND		8350	7130		ug/Kg	*	85	52 - 88	3	30
2-Nitroaniline	ND		8350	6880		ug/Kg	**	82	52 - 108	5	30
3,3'-Dichlorobenzidine	ND	F1	8350	7160	F1	ug/Kg	*	86	10 - 84	6	30
3-Nitroaniline	ND		8350	6480		ug/Kg	*	78	44 - 103	4	30
4-Nitroaniline	ND		8350	6890		ug/Kg	**	83	43 - 102	4	30
4-Nitrophenol	ND		8350	6770		ug/Kg	*	81	48 - 105	6	30
Acenaphthene	ND		8350	7100		ug/Kg	**	85	57 - 94	3	30
Acenaphthylene	ND		8350	7170		ug/Kg	**	86	57 - 97	4	30
Anthracene	ND		8350	7160		ug/Kg	435	86	58 - 99	4	30
Benzo[a]anthracene	ND		8350	7610		ug/Kg	**	91	68 - 114	4	30
Benzo[a]pyrene	ND		8350	7770		ug/Kg	13	93	61 - 102	5	30
Benzo[b]fluoranthene	ND		8350	7970		ug/Kg	*	95	63 - 107	6	30
Benzo[k]fluoranthene	ND		8350	7150			*		65 - 108		
bis (2-chloroisopropyl) ether	ND		8350	6010		ug/Kg	*	86 72	42 - 97	2	30
Bis(2-chloroethyl)ether	ND		8350	6490		ug/Kg	*			5	30
Bis(2-ethylhexyl) phthalate	ND		8350			ug/Kg	*	78	50 - 88	5	30
Butyl benzyl phthalate	ND		8350	7450 7460		ug/Kg	*	89	60 - 110	3	30
Chrysene	ND		8350	6990		ug/Kg	*	89	56 - 110	3	30
	ND					ug/Kg	**	84	61 - 100	3	30
Dibenz(a,h)anthracene Dibenzofuran			8350	8420		ug/Kg	**	101	59 - 118	4	30
	ND		8350	7170		ug/Kg		86	55 - 93	3	30
Diethyl phthalate	ND		8350	7150		ug/Kg	*	86	58 - 100	3	30
Dimethyl phthalate	ND		8350	7410		ug/Kg	*	89	59 - 100	2	30
Di-n-butyl phthalate	ND		8350	7330		ug/Kg	*	88	58 - 106	4	30
Di-n-octyl phthalate	ND		8350	7700		ug/Kg	*	92	58 - 113	3	30
Diphenylamine	ND		8350	7340		ug/Kg	**	88	52 - 131	3	30
Fluoranthene	ND		8350	7530		ug/Kg	***	90	58 - 103	4	30
Fluorene	ND		8350	7230		ug/Kg	**	87	58 - 97	3	30
Hexachlorobenzene	ND		8350	7870	5.	ug/Kg	*	94	59 - 105	4	30
Hexachlorobutadiene	ND	F1	8350	7910	F1	ug/Kg	**	95	47 - 89	1	30
Hexachlorocyclopentadiene	ND		8350	8660		ug/Kg	*	104	17 - 112	5	30
Hexachloroethane	ND		8350	6950		ug/Kg	**	83	43 - 88	4	30
Indeno[1,2,3-cd]pyrene	ND		8350	8740		ug/Kg	*	105	56 - 123	3	30
Isophorone	ND		8350	6600		ug/Kg	*	79	52 - 84	3	30
Naphthalene	ND		8350	6930		ug/Kg	*	83	52 - 86	2	30
Nitrobenzene	ND		8350	6780		ug/Kg	**	81	52 - 90	3	30
N-Nitrosodi-n-propylamine	ND		8350	6770		ug/Kg	-02	81	55 - 99	4	30
Pentachlorophenol	ND		8350	7170		ug/Kg	335	86	35 - 104	3	30
Phenanthrene	ND		8350	7110		ug/Kg	*	85	60 - 98	4	30
Phenol	ND		8350	6420		ug/Kg	**	77	43-90	4	30
Pyrene	ND		8350	7260		ug/Kg	尊	87	53 - 106	4	30
N-Nitrosodiphenylamine	ND		8350	8580		ug/Kg	325	103	52 - 131	3	30

46-111

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

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

MSD MSD

107

Lab Sample ID: 160-13469-37 MSD

Matrix: Solid

Analysis Batch: 209078

Client Sample ID: 2015 08 18 P0.4

Prep Type: Total/NA

Prep Batch: 208641

Surrogate	%Recovery	Qualifier	Limits
2-Fluorobiphenyl (Surr)	89		56-97
2-Fluorophenol (Surr)	82		53-97
Nitrobenzene-d5 (Surr)	85		55 - 98
Phenol-d5 (Surr)	83		54 - 101
Terphenyl-d14 (Surr)	85		58 - 123

Lab Sample ID: MB 160-208680/1-A

Matrix: Solid

Analysis Batch: 209455

2,4,6-Tribromophenol (Surr)

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

Prep Batch: 208680

	МВ	MB						Trop Baton.	
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		330	33	ug/Kg		08/31/15 13:01	09/04/15 13:55	1
1,2,4,5-Tetrachlorobenzene	ND		330	33	ug/Kg		08/31/15 13:01	09/04/15 13:55	1
1,2,4-Trichlorobenzene	ND		330	33	ug/Kg		08/31/15 13:01	09/04/15 13:55	1
1,2-Dichlorobenzene	ND		330	33	ug/Kg		08/31/15 13:01	09/04/15 13:55	1
1,3-Dichlorobenzene	ND		330	33	ug/Kg		08/31/15 13:01	09/04/15 13:55	1
1,3-Dinitrobenzene	ND		330	33	ug/Kg		08/31/15 13:01	09/04/15 13:55	1
1,4-Dichlorobenzene	ND		330	33	ug/Kg		08/31/15 13:01	09/04/15 13:55	1
2,3,4,6-Tetrachlorophenol	ND		1600	33	ug/Kg		08/31/15 13:01	09/04/15 13:55	1
2,4,5-Trichlorophenol	ND		330	33	ug/Kg		08/31/15 13:01	09/04/15 13:55	1
2,4,6-Trichlorophenol	ND		330	33	ug/Kg		08/31/15 13:01	09/04/15 13:55	1
2,4-Dichlorophenol	ND		330	33	ug/Kg		08/31/15 13:01	09/04/15 13:55	1
2,4-Dimethylphenol	ND		330	33	ug/Kg		08/31/15 13:01	09/04/15 13:55	1
2,4-Dinitrophenol	ND		1600	330	ug/Kg		08/31/15 13:01	09/04/15 13:55	1
2,4-Dinitrotoluene	ND		330	33	ug/Kg		08/31/15 13:01	09/04/15 13:55	1
2,6-Dinitrotoluene	ND		330	33	ug/Kg		08/31/15 13:01	09/04/15 13:55	1
2-Chloronaphthalene	ND		330	33	ug/Kg		08/31/15 13:01	09/04/15 13:55	1
2-Chlorophenol	ND		330	33	ug/Kg		08/31/15 13:01	09/04/15 13:55	1
2-Methylnaphthalene	ND		330	33	ug/Kg		08/31/15 13:01	09/04/15 13:55	1
2-Nitroaniline	ND		330	33	ug/Kg		08/31/15 13:01	09/04/15 13:55	1
3,3'-Dichlorobenzidine	ND		1600	330	ug/Kg		08/31/15 13:01	09/04/15 13:55	1
3-Nitroaniline	ND		330	33	ug/Kg		08/31/15 13:01	09/04/15 13:55	1
4-Nitroaniline	ND		1600	330	ug/Kg		08/31/15 13:01	09/04/15 13:55	1
4-Nitrophenol	ND		1600	330	ug/Kg		08/31/15 13:01	09/04/15 13:55	1
Acenaphthene	ND		330	33	ug/Kg		08/31/15 13:01	09/04/15 13:55	1
Acenaphthylene	ND		330	33	ug/Kg		08/31/15 13:01	09/04/15 13:55	1
Aniline	ND		330	60	ug/Kg		08/31/15 13:01	09/04/15 13:55	1
Anthracene	ND		330	33	ug/Kg		08/31/15 13:01	09/04/15 13:55	1
Benzo[a]anthracene	ND		330	33			08/31/15 13:01	09/04/15 13:55	1
Benzo[a]pyrene	ND		330	33	ug/Kg		08/31/15 13:01	09/04/15 13:55	1
Benzo[b]fluoranthene	ND		330	33	ug/Kg		08/31/15 13:01	09/04/15 13:55	1
Benzo[k]fluoranthene	ND		330	33	ug/Kg		08/31/15 13:01	09/04/15 13:55	1
bis (2-chloroisopropyl) ether	ND		330	33	ug/Kg		08/31/15 13:01	09/04/15 13:55	1
Bis(2-chloroethyl)ether	ND		330	33	ug/Kg		08/31/15 13:01	09/04/15 13:55	1
Bis(2-ethylhexyl) phthalate	ND		330	45	ug/Kg		08/31/15 13:01	09/04/15 13:55	1
Butyl benzyl phthalate	ND		330	33	ug/Kg		08/31/15 13:01	09/04/15 13:55	7
Chrysene	ND		330	33	ug/Kg		08/31/15 13:01	09/04/15 13:55	1

Client: SEMS, Inc.

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

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

MR MR

Lab Sample ID: MB 160-208680/1-A

Matrix: Solid

Analysis Batch: 209455

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

Prep Batch: 208680

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		330	33	ug/Kg		08/31/15 13:01	09/04/15 13:55	1
Dibenzofuran	ND		330	33	ug/Kg		08/31/15 13:01	09/04/15 13:55	1
Diethyl phthalate	ND		330	33	ug/Kg		08/31/15 13:01	09/04/15 13:55	1
Dimethyl phthalate	ND		330	33	ug/Kg		08/31/15 13:01	09/04/15 13:55	1
Di-n-butyl phthalate	ND		330	33	ug/Kg		08/31/15 13:01	09/04/15 13:55	1
Di-n-octyl phthalate	ND		330	33	ug/Kg		08/31/15 13:01	09/04/15 13:55	1
Fluoranthene	ND		330	33	ug/Kg		08/31/15 13:01	09/04/15 13:55	1
Fluorene	ND		330	33	ug/Kg		08/31/15 13:01	09/04/15 13:55	1
Hexachlorobenzene	ND		330	33	ug/Kg		08/31/15 13:01	09/04/15 13:55	1
Hexachlorobutadiene	ND		330	33	ug/Kg		08/31/15 13:01	09/04/15 13:55	1
Hexachlorocyclopentadiene	ND		1600	330	ug/Kg		08/31/15 13:01	09/04/15 13:55	1
Hexachloroethane	ND		330	33	ug/Kg		08/31/15 13:01	09/04/15 13:55	1
Indeno[1,2,3-cd]pyrene	ND		330	33	ug/Kg		08/31/15 13:01	09/04/15 13:55	1
Isophorone	ND		330	33	ug/Kg		08/31/15 13:01	09/04/15 13:55	1
Naphthalene	ND		330	33	ug/Kg		08/31/15 13:01	09/04/15 13:55	1
Nitrobenzene	ND		330	33	ug/Kg		08/31/15 13:01	09/04/15 13:55	1
N-Nitrosodi-n-propylamine	ND		330	33	ug/Kg		08/31/15 13:01	09/04/15 13:55	1
Pentachlorophenol	ND		660	330	ug/Kg		08/31/15 13:01	09/04/15 13:55	1
Phenanthrene	ND		330	33	ug/Kg		08/31/15 13:01	09/04/15 13:55	1
Phenol	ND		330	33	ug/Kg		08/31/15 13:01	09/04/15 13:55	1
Diphenylamine	ND		330	33	ug/Kg		08/31/15 13:01	09/04/15 13:55	1
Pyrene	ND		330	33	ug/Kg		08/31/15 13:01	09/04/15 13:55	1
N-Nitrosodiphenylamine	ND		330	33	ug/Kg		08/31/15 13:01	09/04/15 13:55	1
	10.00	732							

MAD	MAD
MB	MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	85		46 - 111	08/31/15 13:01	09/04/15 13:55	1
2-Fluorobiphenyl (Surr)	90		56 - 97	08/31/15 13:01	09/04/15 13:55	1
2-Fluorophenol (Surr)	80		53 - 97	08/31/15 13:01	09/04/15 13:55	1
Nitrobenzene-d5 (Surr)	83		55 - 98	08/31/15 13:01	09/04/15 13:55	1
Phenol-d5 (Surr)	82		54 - 101	08/31/15 13:01	09/04/15 13:55	1
Terphenyl-d14 (Surr)	82		58 - 123	08/31/15 13:01	09/04/15 13:55	1

Lab Sample ID: LCS 160-208680/2-A

Matrix: Solid

Analysis Batch: 209455

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 208680

	Spike	LCS	LCS				%Rec.
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
1,2,4-Trichlorobenzene	6670	5970		ug/Kg	-	90	60 - 91
1,2-Dichlorobenzene	6670	5400		ug/Kg		81	59 - 90
1,3-Dichlorobenzene	6670	5350		ug/Kg		80	57 - 88
1,4-Dichlorobenzene	6670	5410		ug/Kg		81	58 - 88
2,4,5-Trichlorophenol	6670	6000		ug/Kg		90	59 - 94
2,4,6-Trichlorophenol	6670	6040		ug/Kg		91	59 - 95
2,4-Dichlorophenol	6670	5550		ug/Kg		83	59 - 90
2,4-Dimethylphenol	6670	5170		ug/Kg		78	54 - 108
2,4-Dinitrophenol	6670	913	J*	ug/Kg		14	20 - 100
2,4-Dinitrotoluene	6670	5770		ug/Kg		87	61 - 103
2,6-Dinitrotoluene	6670	5630		ug/Kg		84	63 - 99

Client: SEMS, Inc.

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

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

Lab Sample ID	: LCS	160-208680/2-A	
Matrix: Solid			

Analysis Batch: 209455

Client Sample ID: Lab Control Sample Prep Type: Total/NA Prep Batch: 208680

Spike	LCS	LCS				%Rec.
Added	Result	Qualifier	Unit	D	%Rec	Limits
6670	5850		ug/Kg		88	61 - 94
6670	5260		ug/Kg		79	60 - 91
6670	5440		ug/Kg		82	59 - 90
6670	5130		ug/Kg		77	58 - 105
6670	5840		ug/Kg		88	50 - 90
6670	4980		ug/Kg		75	55 - 91
6670	4930		ug/Kg		74	57 - 94
6670	4880		ug/Kg		73	54 - 101
6670	5600		ug/Kg		84	63 - 95
6670	5610		ug/Kg		84	62 - 98
6670	5720				86	63 - 100
6670	5820				87	74 - 114
6670	5900				89	63 - 103
6670	5900		and the state of t		88	68 - 109
6670	5670				85	69-111
6670	4550				68	47 - 105
6670					74	58 - 92
						63 - 112
						59 - 111
						66 - 100
						67 - 114
			11/1/2/11/17			58 - 95
						62 - 97
						63 - 98
						62 - 104
			100			61 - 111
						63 - 101
						62 - 96
						62 - 106
		*				57 - 94
			100700000			40 - 115
						59 - 93
						65 - 120
						57 - 86
			and the second s			60 - 90
						58 - 95
					10.7%	60 - 104
						50 - 100
						63 - 99
						53 - 89
						78 - 133
						64 - 102
6670	6900		ug/Kg		104	78 - 133
	6670 6670 6670 6670 6670 6670 6670 6670	Added Result 6670 5850 6670 5260 6670 5440 6670 5130 6670 4980 6670 4980 6670 4980 6670 4980 6670 4880 6670 5600 6670 5610 6670 5720 6670 5900 6670 5900 6670 5900 6670 5670 6670 4950 6670 5670 6670 5680 6670 5500 6670 5590 6670 5590 6670 5590 6670 5540 6670 5640 6670 5640 6670 5670 6670 5560 6670 6320 6670 6320 6670 6320 6670	Added Result Qualifier 6670 5850 6670 6670 5260 6670 6670 5440 6670 6670 4980 6670 4980 6670 4980 6670 4880 6670 5600 6670 5610 6670 5610 6670 5900 6670 5900 6670 5900 6670 5900 6670 5900 6670 5900 6670 5670 6670 4960 6670 5670 6670 5670 6670 5680 6670 5500 6670 5590 6670 5590 6670 5640 6670 5640 6670 5640 6670 5640 6670 5670 6670 5670 6670 560 6670 5670 6670 560 6670 5370 6670 5450 </td <td>Added Result Qualifier Unit 6670 5850 ug/Kg 6670 5260 ug/Kg 6670 5440 ug/Kg 6670 5840 ug/Kg 6670 4980 ug/Kg 6670 4980 ug/Kg 6670 4980 ug/Kg 6670 4880 ug/Kg 6670 5600 ug/Kg 6670 5610 ug/Kg 6670 5610 ug/Kg 6670 5610 ug/Kg 6670 5820 ug/Kg 6670 5900 ug/Kg 6670 5900 ug/Kg 6670 5670 ug/Kg 6670 4550 ug/Kg 6670 4560 ug/Kg 6670 5670 ug/Kg 6670 5680 ug/Kg 6670 5680 ug/Kg 6670 5590 ug/Kg 6670</td> <td>Added Result Qualifier Unit D 6670 5850 ug/Kg ug/Kg 6670 5260 ug/Kg ug/Kg 6670 5440 ug/Kg ug/Kg 6670 5840 ug/Kg ug/Kg 6670 4980 ug/Kg ug/Kg 6670 4980 ug/Kg ug/Kg 6670 4980 ug/Kg ug/Kg 6670 4880 ug/Kg ug/Kg 6670 5600 ug/Kg ug/Kg 6670 5610 ug/Kg ug/Kg 6670 5720 ug/Kg ug/Kg 6670 5820 ug/Kg ug/Kg 6670 5900 ug/Kg ug/Kg 6670 4550 ug/Kg ug/Kg 6670 4960 ug/Kg ug/Kg 6670 5680 ug/Kg ug/Kg 6670 5590 ug/Kg ug/Kg ug/Kg 6670</td> <td>Added Result Qualifier Unit D %Rec 6670 5260 ug/Kg 79 6670 5260 ug/Kg 79 6670 5440 ug/Kg 82 6670 5840 ug/Kg 75 6670 4980 ug/Kg 75 6670 4930 ug/Kg 73 6670 5600 ug/Kg 84 6670 5610 ug/Kg 84 6670 5610 ug/Kg 84 6670 5610 ug/Kg 84 6670 5820 ug/Kg 87 6670 5820 ug/Kg 88 6670 5900 ug/Kg 88 6670 5900 ug/Kg 88 6670 4950 ug/Kg 85 6670 4960 ug/Kg 74 6670 5680 ug/Kg 83 6670 5590 ug/Kg <t< td=""></t<></td>	Added Result Qualifier Unit 6670 5850 ug/Kg 6670 5260 ug/Kg 6670 5440 ug/Kg 6670 5840 ug/Kg 6670 4980 ug/Kg 6670 4980 ug/Kg 6670 4980 ug/Kg 6670 4880 ug/Kg 6670 5600 ug/Kg 6670 5610 ug/Kg 6670 5610 ug/Kg 6670 5610 ug/Kg 6670 5820 ug/Kg 6670 5900 ug/Kg 6670 5900 ug/Kg 6670 5670 ug/Kg 6670 4550 ug/Kg 6670 4560 ug/Kg 6670 5670 ug/Kg 6670 5680 ug/Kg 6670 5680 ug/Kg 6670 5590 ug/Kg 6670	Added Result Qualifier Unit D 6670 5850 ug/Kg ug/Kg 6670 5260 ug/Kg ug/Kg 6670 5440 ug/Kg ug/Kg 6670 5840 ug/Kg ug/Kg 6670 4980 ug/Kg ug/Kg 6670 4980 ug/Kg ug/Kg 6670 4980 ug/Kg ug/Kg 6670 4880 ug/Kg ug/Kg 6670 5600 ug/Kg ug/Kg 6670 5610 ug/Kg ug/Kg 6670 5720 ug/Kg ug/Kg 6670 5820 ug/Kg ug/Kg 6670 5900 ug/Kg ug/Kg 6670 4550 ug/Kg ug/Kg 6670 4960 ug/Kg ug/Kg 6670 5680 ug/Kg ug/Kg 6670 5590 ug/Kg ug/Kg ug/Kg 6670	Added Result Qualifier Unit D %Rec 6670 5260 ug/Kg 79 6670 5260 ug/Kg 79 6670 5440 ug/Kg 82 6670 5840 ug/Kg 75 6670 4980 ug/Kg 75 6670 4930 ug/Kg 73 6670 5600 ug/Kg 84 6670 5610 ug/Kg 84 6670 5610 ug/Kg 84 6670 5610 ug/Kg 84 6670 5820 ug/Kg 87 6670 5820 ug/Kg 88 6670 5900 ug/Kg 88 6670 5900 ug/Kg 88 6670 4950 ug/Kg 85 6670 4960 ug/Kg 74 6670 5680 ug/Kg 83 6670 5590 ug/Kg <t< td=""></t<>

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
2,4,6-Tribromophenol (Surr)	96	W. 1973	46-111
2-Fluorobiphenyl (Surr)	87		56 - 97
2-Fluorophenol (Surr)	77		53-97

Client: SEMS, Inc.

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

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

Lab Sample ID: LCS 160-208680/2-A

Matrix: Solid

Analysis Batch: 209455

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

Prep Batch: 208680

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
Nitrobenzene-d5 (Surr)	80		55 - 98
Phenol-d5 (Surr)	75		54 - 101
Terphenyl-d14 (Surr)	81		58 - 123

Lab Sample ID: 160-13469-41 MS

Matrix: Solid

Analysis Batch: 209455

Client Sample ID: 2015 08 18 F7.5

Prep Type: Total/NA

Prep Batch: 208680

That you but on 200400	Sample	Sample	Spike	MS	MS				%Rec.
Analyte		Qualifier	Added	Result		Unit	D	%Rec	Limits
1,2,4-Trichlorobenzene	ND	F1	7220	6350	F1	ug/Kg	#	88	51 - 87
1,2-Dichlorobenzene	ND		7220	5890		ug/Kg	数	82	46 - 85
1,3-Dichlorobenzene	ND		7220	5860		ug/Kg	*	81	42 - 84
1,4-Dichlorobenzene	ND		7220	6000		ug/Kg	**	83	45 - 83
2,4,5-Trichlorophenol	ND		7220	6390		ug/Kg	**	89	55 - 95
2,4,6-Trichlorophenol	ND		7220	6370		ug/Kg	**	88	48 - 98
2,4-Dichlorophenol	ND		7220	5830		ug/Kg	**	81	47 - 94
2,4-Dimethylphenol	ND		7220	5580		ug/Kg	*	77	33 - 109
2,4-Dinitrophenol	ND	*	7220	4330		ug/Kg	*	60	13 - 103
2,4-Dinitrotoluene	ND		7220	6150		ug/Kg	*	85	55 - 108
2,6-Dinitrotoluene	ND		7220	5980		ug/Kg	群	83	58 - 101
2-Chloronaphthalene	ND		7220	6330		ug/Kg	*	88	55 - 92
2-Chlorophenol	ND		7220	5660		ug/Kg	**	78	47 - 90
2-Methylnaphthalene	ND		7220	5760		ug/Kg	*	80	52 - 88
2-Nitroaniline	ND		7220	5460		ug/Kg	*	76	52 - 108
3,3'-Dichlorobenzidine	ND		7220	5030		ug/Kg	*	70	10 - 84
3-Nitroaniline	ND		7220	5040		ug/Kg	**	70	44 - 103
4-Nitroaniline	ND		7220	5150		ug/Kg	*	71	43 - 102
4-Nitrophenol	ND		7220	4990		ug/Kg	**	69	48 - 105
Acenaphthene	ND		7220	5990		ug/Kg	*	83	57 - 94
Acenaphthylene	ND		7220	5990		ug/Kg	**	83	57 - 97
Anthracene	ND		7220	6060		ug/Kg	*	84	58 - 99
Benzo[a]anthracene	ND		7220	6310		ug/Kg	**	87	68 - 114
Benzo[a]pyrene	ND		7220	6450		ug/Kg	*	89	61 - 102
Benzo[b]fluoranthene	ND		7220	6610		ug/Kg	**	92	63 - 107
Benzo[k]fluoranthene	ND		7220	5980		ug/Kg	*	83	65 - 108
bis (2-chloroisopropyl) ether	ND		7220	4880		ug/Kg	**	68	42-97
Bis(2-chloroethyl)ether	ND		7220	5330		ug/Kg	*	74	50 - 88
Bis(2-ethylhexyl) phthalate	ND		7220	6070		ug/Kg	**	84	60 - 110
Butyl benzyl phthalate	ND		7220	6120		ug/Kg	*	85	56 - 110
Chrysene	ND		7220	6010		ug/Kg	*	83	61 - 100
Dibenz(a,h)anthracene	ND		7220	7220		ug/Kg	*	100	59 - 118
Dibenzofuran	ND		7220	6000		ug/Kg	*	83	55 - 93
Diethyl phthalate	ND		7220	5680		ug/Kg	*	79	58 - 100
Dimethyl phthalate	ND		7220	5930		ug/Kg	*	82	59 - 100
Di-n-butyl phthalate	ND		7220	5950		ug/Kg	*	82	58 - 106
Di-n-octyl phthalate	ND		7220	6380		ug/Kg	*	88	58 - 113
Diphenylamine	ND		7220	6090		ug/Kg	*	84	52 - 131
Fluoranthene	ND		7220	6040		ug/Kg	**	84	58 - 103

Spike

Added

7220

7220

7220

7220

7220

7220

7220

7220

7220

7220

7220

7220

7220

7220

7220

6010

6030

5000

6250

7130

Client: SEMS, Inc.

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

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

Sample Sample

ND

ND

ND

ND F1

ND

Result Qualifier

* F1

Lab Sample ID: 160-13469-41 MS

Matrix: Solid

Hexachlorobenzene

Hexachlorobutadiene

Indeno[1,2,3-cd]pyrene

N-Nitrosodi-n-propylamine

N-Nitrosodiphenylamine

Matrix: Solid

Hexachloroethane

Isophorone

Naphthalene

Nitrobenzene

Phenanthrene

Phenol

Pyrene

Pentachlorophenol

Hexachlorocyclopentadiene

Analyte

Fluorene

Analysis Batch: 209455

Client Sample ID: 2015 08 18 F7.5

Prep Type: Total/NA Prep Batch: 208680

MS	MS				%Rec.
Result	Qualifier	Unit	D	%Rec	Limits
5920		ug/Kg	7	82	58 - 97
6850		ug/Kg	**	95	59 - 105
7020	F1	ug/Kg	益	97	47 - 89
7460		ug/Kg	**	103	17 - 112
5890		ug/Kg	#	82	43 - 88
7230		ug/Kg	*	100	56 - 123
5290		ug/Kg	O	73	52 - 84
5820		ug/Kg	禁	81	52 - 86
5660		ug/Kg	⇔	78	52 - 90
5360		ug/Kg	*	74	55 - 99

83

84

69

87

99

35 - 104

60 - 98

43 - 90

53 - 106

52 - 131

数

袋

袋

草

袋

ug/Kg

ug/Kg

ug/Kg

ug/Kg

ug/Kg

MS MS

Surrogate %Recovery Qualifier Limits 2-Fluorobiphenyl (Surr) 87 56 - 97 2-Fluorophenol (Surr) 74 53-97 Nitrobenzene-d5 (Surr) 79 55-98 74 54 - 101 Phenol-d5 (Surr) Terphenyl-d14 (Surr) 81 58 - 123 2,4,6-Tribromophenol (Surr) 95 46-111

Lab Sample ID: 160-13469-41 MSD

Client Sample ID: 2015 08 18 F7.5

Prep Type: Total/NA Prep Batch: 208680

Analysis Batch: 209455			0.5						Prep Ba	tch: 20	
	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
1,2,4-Trichlorobenzene	ND	F1	7180	6460	F1	ug/Kg	**	90	51 - 87	2	30
1,2-Dichlorobenzene	ND		7180	5850		ug/Kg	**	81	46 - 85	1	30
1,3-Dichlorobenzene	ND		7180	5820		ug/Kg	335	81	42 - 84	1	30
1,4-Dichlorobenzene	ND		7180	5900		ug/Kg	*	82	45 - 83	2	30
2,4,5-Trichlorophenol	ND		7180	6360		ug/Kg	**	89	55 - 95	0	30
2,4,6-Trichlorophenol	ND		7180	6270		ug/Kg	尊	87	48 - 98	2	30
2,4-Dichlorophenol	ND		7180	5860		ug/Kg	3,3	82	47 - 94	1	30
2,4-Dimethylphenol	ND		7180	5680		ug/Kg	*	79	33 - 109	2	30
2,4-Dinitrophenol	ND	*	7180	4450		ug/Kg	**	62	13 - 103	3	30
2,4-Dinitrotoluene	ND		7180	5930		ug/Kg	*	83	55 - 108	4	30
2,6-Dinitrotoluene	ND		7180	5870		ug/Kg	**	82	58 - 101	2	30
2-Chloronaphthalene	ND		7180	6230		ug/Kg	*	87	55 - 92	2	30
2-Chlorophenol	ND		7180	5630		ug/Kg	**	78	47 - 90	1	30
2-Methylnaphthalene	ND		7180	5780		ug/Kg	*	80	52 - 88	0	30
2-Nitroaniline	ND		7180	5320		ug/Kg	**	74	52 - 108	3	30
3,3'-Dichlorobenzidine	ND		7180	5610		ug/Kg	325	78	10 - 84	11	30
3-Nitroaniline	ND		7180	4940		ug/Kg	335	69	44 - 103	2	30
4-Nitroaniline	ND		7180	5050		ug/Kg	335	70	43 - 102	2	30
4-Nitrophenol	ND		7180	4870		ug/Kg	鉄	68	48 - 105	2	30

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

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

Lab Sample ID: 160-13469-41 MSD Matrix: Solid

Analysis Batch: 209455

Client Sample ID: 2015 08 18 F7.5 Prep Type: Total/NA

Prep Batch: 208680

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Acenaphthene	ND		7180	5890		ug/Kg	**	82	57 - 94	2	30
Acenaphthylene	ND		7180	5950		ug/Kg	**	83	57 - 97	1	30
Anthracene	ND		7180	6010		ug/Kg	308	84	58 - 99	1	30
Benzo[a]anthracene	ND		7180	6260		ug/Kg	**	87	68 - 114	1	30
Benzo[a]pyrene	ND		7180	6320		ug/Kg	305	88	61 - 102	2	30
Benzo[b]fluoranthene	ND		7180	6450		ug/Kg	**	90	63 - 107	3	30
Benzo[k]fluoranthene	ND		7180	5910		ug/Kg	**	82	65 - 108	1	30
bis (2-chloroisopropyl) ether	ND		7180	4840		ug/Kg	**	67	42-97	1	30
Bis(2-chloroethyl)ether	ND		7180	5350		ug/Kg	*	75	50 - 88	0	30
Bis(2-ethylhexyl) phthalate	ND		7180	6000		ug/Kg	*	84	60 - 110	1	30
Butyl benzyl phthalate	ND		7180	6020		ug/Kg	*	84	56-110	2	30
Chrysene	ND		7180	5860		ug/Kg	*	82	61 - 100	3	30
Dibenz(a,h)anthracene	ND		7180	7080		ug/Kg	**	99	59-118	2	30
Dibenzofuran	ND		7180	5860		ug/Kg	***	82	55 - 93	2	30
Diethyl phthalate	ND		7180	5560		ug/Kg	**	77	58 - 100	2	30
Dimethyl phthalate	ND		7180	5830		ug/Kg	**	81	59 - 100	2	30
Di-n-butyl phthalate	ND		7180	5930		ug/Kg	*	83	58 - 106	0	30
Di-n-octyl phthalate	ND		7180	6340		ug/Kg	*	88	58 - 113	1	30
Diphenylamine	ND		7180	6300		ug/Kg	**	88	52 - 131	3	30
Fluoranthene	ND		7180	6000		ug/Kg	*	84	58 - 103	1	30
Fluorene	ND		7180	5750		ug/Kg	**	80	58 - 97	3	30
Hexachlorobenzene	ND		7180	6860		ug/Kg	*	95	59 - 105	0	30
Hexachlorobutadiene	ND	* F1	7180	7010	E1	ug/Kg	**	98	47 - 89	0	30
Hexachlorocyclopentadiene	ND	F1	7180	8110	F1	ug/Kg	**	113	17-112	8	30
Hexachloroethane	ND		7180	5940		ug/Kg	**	83	43 - 88	1	30
Indeno[1,2,3-cd]pyrene	ND		7180	7260		ug/Kg	*	101	56 - 123	0	30
Isophorone	ND		7180	5380		ug/Kg	**	75	52 - 84	2	30
Naphthalene	ND		7180	5840		ug/Kg	*	81	52-86	0	30
Nitrobenzene	ND		7180	5760		ug/Kg	*	80	52-90	2	30
N-Nitrosodi-n-propylamine	ND		7180	5280		ug/Kg	*	73	55-99	2	30
Pentachlorophenol	ND		7180	5420		ug/Kg	*	76	35 - 104	10	30
Phenanthrene	ND		7180	5970		ug/Kg	*	83	60 - 98	1	30
Phenol	ND		7180	4940		ug/Kg	**	69	43 - 90	1	30
Pyrene	ND		7180	6040		ug/Kg	*	84	53 - 106	3	30
N-Nitrosodiphenylamine	ND		7180	7370		ug/Kg	*	103	52 - 131	3	30

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
2-Fluorobiphenyl (Surr)	92		56 - 97
2-Fluorophenol (Surr)	80		53 - 97
Nitrobenzene-d5 (Surr)	85		55 - 98
Phenol-d5 (Surr)	77		54 - 101
Terphenyl-d14 (Surr)	85		58 - 123
2,4,6-Tribromophenol (Surr)	96		46-111

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

Client Sample ID: Method Blank

Method: 8015B - Gasoline Range Organics - (GC)

Lab Sample ID: MB 160-208900/1-A

Matrix: Solid

Analysis Batch: 209316

MB MB

ND

129

Analyte Result Qualifier

Gasoline Range Organics (C6-C12)

MB MB Qualifier Limits %Recovery

44 - 147

RL

0.10

MDL Unit

0.010 mg/Kg

Prepared Analyzed 09/01/15 13:09 09/01/15 14:29

Client Sample ID: Lab Control Sample

%Rec.

Limits

82 - 118

Client Sample ID: 2015 08 18 E6.5

09/01/15 13:09 09/01/15 14:29

Prepared

D %Rec

102

Dil Fac

Prep Type: Total/NA Prep Batch: 208900

Prep Type: Total/NA

Prep Batch: 208900

Prep Type: Total/NA

Prep Batch: 208900

Dil Fac

Prep Type: Total/NA

Prep Batch: 208900

Analyzed

Lab Sample ID: LCS 160-208900/2-A

Matrix: Solid

Trifluorotoluene (Surr)

Surrogate

Analysis Batch: 209316

Analyte Gasoline Range Organics

(C6-C12)

96

Result

%Recovery

ND

90

MS MS

Qualifier

Surrogate Trifluorotoluene (Surr)

LCS LCS %Recovery Qualifier

Limits 44-147

Spike

Added

1.00

Lab Sample ID: 160-13469-40 MS

Matrix: Solid

Analysis Batch: 209316

Analyte Gasoline Range Organics (C6-C12)

Surrogate Trifluorotoluene (Surr) Sample Sample

Spike Qualifier

Added 1.18

Limits

44 - 147

Spike

Result 1.05

Qualifier

MS MS

LCS LCS

1.02

Result Qualifier

Unit mg/Kg

Unit

mg/Kg

D %Rec

90

Limits 22 - 130

%Rec.

Lab Sample ID: 160-13469-40 MSD

Matrix: Solid

Analysis Batch: 209316

Analyte Gasoline Range Organics (C6-C12)

Surrogate Trifluorotoluene (Surr) Result Qualifier ND

Sample Sample

MSD MSD

Added 1.18

Limits

44 - 147

Result Qualifier 1.05

MSD MSD

Unit mg/Kg D %Rec 89 Limits 22 - 130

%Rec.

Client Sample ID: 2015 08 18 E6.5

RPD RPD Limit

%Recovery Qualifier 93

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 160-206962/1-A Matrix: Solid

Analysis Batch: 207694

Analyte Diesel Range Organics [C10-C28] Result Qualifier ND

MB MB

RL 25 MDL Unit 0.33 mg/Kg

Prepared 08/21/15 12:36 08/25/15 21:54

Analyzed

Client Sample ID: Method Blank

Dil Fac

TestAmerica St. Louis

Prep Type: Total/NA

Prep Batch: 206962

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 160-206962/1-A

Lab Sample ID: LCS 160-206962/2-A

Matrix: Solid

Matrix: Solid

Analysis Batch: 207694

Analysis Batch: 207694

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

Prep Batch: 206962

MB MB

Surrogate %Recovery Qualifier Limits Dil Fac Prepared Analyzed o-Terphenyl 49 - 133 85 08/21/15 12:36 08/25/15 21:54

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 206962

Prep Type: Total/NA

Spike LCS LCS %Rec. Added Analyte Result Qualifier Unit D %Rec Limits Diesel Range Organics 83.3 72.9 mg/Kg 88 57 - 105

[C10-C28]

LCS LCS

Surrogate %Recovery Qualifier Limits o-Terphenyl 93 49 - 133

Client Sample ID: 2015 08 18 E6.5

Matrix: Solid

Analysis Batch: 207694

Lab Sample ID: 160-13469-40 MS

Prep Batch: 206962 Sample Sample Spike MS MS %Rec. Analyte Result Qualifier Added Limits Result Qualifier Unit D %Rec

ND 98.1 立 Diesel Range Organics 120 mg/Kg 123 34 - 150

[C10-C28]

MS MS

%Recovery Qualifier Surrogate Limits o-Terphenyl 132 49 - 133

Lab Sample ID: 160-13469-40 MSD

Matrix: Solid

Client Sample ID: 2015 08 18 E6.5 Prep Type: Total/NA Analysis Batch: 207694 Prep Batch: 206962

Sample Sample Spike MSD MSD RPD %Rec. Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit ND 98.2 90.0 mg/Kg 章 92 **Diesel Range Organics** 34 - 150 29 30

[C10-C28]

MSD MSD

Surrogate %Recovery Qualifier Limits o-Terphenyl 49 - 133

Method: 8330B - Nitroaromatics and Nitramines (HPLC)

Lab Sample ID: MB 160-206908/1-A

Matrix: Water

Analysis Batch: 208116

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

Prep Batch: 206908

	MR	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trinitrobenzene	ND		0.20	0.057	ug/L		08/21/15 11:01	08/27/15 23:56	1
1,3-Dinitrobenzene	ND		0.20	0.10	ug/L		08/21/15 11:01	08/27/15 23:56	1
2,4,6-Trinitrotoluene	ND		0.20	0.080	ug/L		08/21/15 11:01	08/27/15 23:56	1
2,4-Dinitrotoluene	ND		0.20	0.081	ug/L		08/21/15 11:01	08/27/15 23:56	1
2,6-Dinitrotoluene	ND		0.20	0.13	ug/L		08/21/15 11:01	08/27/15 23:56	1
2-Amino-4,6-dinitrotoluene	ND		0.20	0.12	ug/L		08/21/15 11:01	08/27/15 23:56	1

Client: SEMS. Inc.

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

Method: 8330B - Nitroaromatics and Nitramines (HPLC) (Continued)

Lab Sample ID: MB 160-206908/1-A

Lab Sample ID: LCS 160-206908/2-A

Matrix: Water

Matrix: Water

Analysis Batch: 208116

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

Prep Batch: 206908

				*****	*1-14	-	A. S. C. C.		DU E
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Amino-2,6-dinitrotoluene	ND		0.20	0.12	ug/L		08/21/15 11:01	08/27/15 23:56	1
3-Nitrotoluene	ND		0.20	0.12	ug/L		08/21/15 11:01	08/27/15 23:56	1
Nitrobenzene	ND		0.20	0.082	ug/L		08/21/15 11:01	08/27/15 23:56	1
Nitroglycerin	ND		1.0	0.54	ug/L		08/21/15 11:01	08/27/15 23:56	1
2-Nitrotoluene	ND		0.50	0.095	ug/L		08/21/15 11:01	08/27/15 23:56	1
4-Nitrotoluene	ND		0.50	0.14	ug/L		08/21/15 11:01	08/27/15 23:56	1
PETN	ND		2.0	0.61	ug/L		08/21/15 11:01	08/27/15 23:56	1
RDX	ND		0.20	0.094	ug/L		08/21/15 11:01	08/27/15 23:56	1
HMX	ND		0.20	0.11	ug/L		08/21/15 11:01	08/27/15 23:56	1
Tetryl	ND		0.20	0.059	ug/L		08/21/15 11:01	08/27/15 23:56	1

MB MB

Surrogate %Recovery Qualifier Limits 1,2-Dinitrobenzene (Surr) 102 81-113

08/21/15 11:01 08/27/15 23:56

Prepared

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

Analyzed

Prep Batch: 206908

Dil Fac

Analysis Batch: 208116	Spike	LCS	LCS				Prep Batch: 206 %Rec.
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
1,3,5-Trinitrobenzene	4.00	3.93		ug/L		98	74 - 114
1,3-Dinitrobenzene	4.00	4.09		ug/L		102	83 - 117
2,4,6-Trinitrotoluene	4.00	4.15		ug/L		104	64 - 115
2,4-Dinitrotoluene	4.00	4.07		ug/L		102	76 - 113
2,6-Dinitrotoluene	4.00	4.23		ug/L		106	67 - 121
2-Amino-4,6-dinitrotoluene	4.00	4.23		ug/L		106	67 - 120
4-Amino-2,6-dinitrotoluene	4.00	4.36		ug/L		109	66 - 140
3-Nitrotoluene	4.00	3.21		ug/L		80	69 - 129
Nitrobenzene	4.00	3.63		ug/L		91	75 - 120
Nitroglycerin	10.0	8.82		ug/L		88	40 - 122
2-Nitrotoluene	4.00	3.14		ug/L		79	66 - 128
4-Nitrotoluene	4.00	3.34		ug/L		84	70 - 120
PETN	10.0	9.44		ug/L		94	71 - 136
RDX	4.00	4.06		ug/L		101	75 - 115
HMX	4.00	4.55		ug/L		114	63 - 112
Tetryl	4.00	3.34		ug/L		84	41 - 124

LCS LCS

Surrogate Limits %Recovery Qualifier 1,2-Dinitrobenzene (Surr) 97 81 - 113

Lab Sample ID: LCSD 160-206908/3-A

Matrix: Water

1,3,5-Trinitrobenzene

1,3-Dinitrobenzene 2,4,6-Trinitrotoluene

2,4-Dinitrotoluene

Analyte

Analysis Batch: 208116

LCSD	LCSD				Prep Ba		
Result		Unit	D	%Rec	Limits	RPD	Limit
4.09	13222	ug/L	-	102	74 - 114	4	20
4.14		ug/L		103	83 - 117	1	20
3.83		ug/L		96	64 - 115	8	20

99

76-113

Client Sample ID: Lab Control Sample Dup

TestAmerica St. Louis

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3.96

ug/L

Spike

Added

4.00

4.00

4.00

4.00

20

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

Method: 8330B - Nitroaromatics and Nitramines (HPLC) (Continued)

Lab Sample ID: LCSD 160-206908/3-A

Matrix: Water

Analysis Batch: 208116

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA Prep Batch: 206908

Analysis Baton, 200110	Spike	LCSD	LCSD				%Rec.	ittii. 20	RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
2,6-Dinitrotoluene	4.00	3.88		ug/L		97	67 - 121	9	20
2-Amino-4,6-dinitrotoluene	4.00	3.89		ug/L		97	67 - 120	8	20
4-Amino-2,6-dinitrotoluene	4.00	4.03		ug/L		101	66 - 140	8	20
3-Nitrotoluene	4.00	3.66		ug/L		91	69 - 129	13	20
Nitrobenzene	4.00	3.66		ug/L		91	75 - 120	1	20
Nitroglycerin	10.0	8.62		ug/L		86	40 - 122	2	20
2-Nitrotoluene	4.00	3.43		ug/L		86	66 - 128	9	20
4-Nitrotoluene	4.00	3.59		ug/L		90	70 - 120	7	20
PETN	10.0	9.61		ug/L		96	71 - 136	2	20
RDX	4.00	4.15		ug/L		104	75-115	2	20
HMX	4.00	4.21		ug/L		105	63 - 112	8	20
Tetryl	4.00	3.64		ug/L		91	41 - 124	9	20

LCSD LCSD

%Recovery Qualifier

105

 Surrogate
 %Recovery
 Qualifier
 Limits

 1,2-Dinitrobenzene (Surr)
 101
 81 - 113

Lab Sample ID: MB 160-207310/1-A

Matrix: Solid

Analysis Batch: 208116

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 207310

	MB	МВ							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trinitrobenzene	ND		250	27	ug/Kg		08/24/15 08:38	08/29/15 08:03	1
1,3-Dinitrobenzene	ND		250	44	ug/Kg		08/24/15 08:38	08/29/15 08:03	1
2,4,6-Trinitrotoluene	ND		250	36	ug/Kg		08/24/15 08:38	08/29/15 08:03	1
2,4-Dinitrotoluene	ND		250	38	ug/Kg		08/24/15 08:38	08/29/15 08:03	1
2,6-Dinitrotoluene	ND		250	64	ug/Kg		08/24/15 08:38	08/29/15 08:03	1
2-Amino-4,6-dinitrotoluene	ND		250	43	ug/Kg		08/24/15 08:38	08/29/15 08:03	1
4-Amino-2,6-dinitrotoluene	ND		250	93	ug/Kg		08/24/15 08:38	08/29/15 08:03	1
3-Nitrotoluene	ND		250	56	ug/Kg		08/24/15 08:38	08/29/15 08:03	1
Nitrobenzene	ND		250	43	ug/Kg		08/24/15 08:38	08/29/15 08:03	1
Nitroglycerin	ND		1300	270	ug/Kg		08/24/15 08:38	08/29/15 08:03	1
2-Nitrotoluene	ND		250	65	ug/Kg		08/24/15 08:38	08/29/15 08:03	1
4-Nitrotoluene	ND		250	81	ug/Kg		08/24/15 08:38	08/29/15 08:03	1
PETN	ND		2500	340	ug/Kg		08/24/15 08:38	08/29/15 08:03	1
RDX	ND		250	62	ug/Kg		08/24/15 08:38	08/29/15 08:03	1
HMX	ND		250	39	ug/Kg		08/24/15 08:38	08/29/15 08:03	1
Tetryl	ND		250	46	ug/Kg		08/24/15 08:38	08/29/15 08:03	1
	MB	MB							

Lab Sample ID: LCS 160-207310/2-A

Matrix: Solid

1,2-Dinitrobenzene (Surr)

Surrogate

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 207310
%Rec.

08/24/15 08:38 08/29/15 08:03

Prepared

Analysis Batch: 208116							Prep Batch: 207310
Total Control of the	Spike	LCS	LCS				%Rec.
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
1,3,5-Trinitrobenzene	4000	4020		ug/Kg		101	75 - 115
1,3-Dinitrobenzene	4000	3750		ug/Kg		94	82 - 112

Limits

79 - 120

TestAmerica St. Louis

Analyzed

Dil Fac

Client: SEMS, Inc.

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

Method: 8330B - Nitroaromatics and Nitramines (HPLC) (Continued)

Lab Sample ID: LCS 160-207310/2-A Matrix: Solid

Analysis Batch: 208116

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

Prep Batch: 207310

	Spike	LCS	LCS				%Rec.
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
2,4,6-Trinitrotoluene	4000	3440		ug/Kg		86	80 - 113
2,4-Dinitrotoluene	4000	3690		ug/Kg		92	78 - 114
2,6-Dinitrotoluene	4000	3680		ug/Kg		92	80 - 108
2-Amino-4,6-dinitrotoluene	4000	3760		ug/Kg		94	77 - 113
4-Amino-2,6-dinitrotoluene	4000	4140		ug/Kg		103	75 - 125
3-Nitrotoluene	4000	3940		ug/Kg		98	77 - 113
Nitrobenzene	4000	3770		ug/Kg		94	82 - 109
Nitroglycerin	10000	8030		ug/Kg		80	76 - 107
2-Nitrotoluene	4000	3620		ug/Kg		91	78 - 109
4-Nitrotoluene	4000	3700		ug/Kg		92	80 - 109
PETN	10000	8220		ug/Kg		82	60 - 135
RDX	4000	3680		ug/Kg		92	83 - 107
HMX	4000	3760		ug/Kg		94	79 - 109
Tetryl	4000	2620		ug/Kg		65	50 - 130
V.							

LCS LCS

Surrogate %Recovery Qualifier Limits 1,2-Dinitrobenzene (Surr) 103 79 - 120

Lab Sample ID: 160-13469-16 MS

Matrix: Solid

Client Sample ID: 2015.08.17.H-4

Prep Type: Total/NA

Analysis Batch: 208116	Sample	Sample	Spike	MS	MS				Prep Batch: 207310 %Rec.
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
1,3,5-Trinitrobenzene	ND		3960	4290	7	ug/Kg		108	78 - 114
1,3-Dinitrobenzene	ND		3960	3870		ug/Kg		98	84 - 112
2,4,6-Trinitrotoluene	ND		3960	3540		ug/Kg		89	75 - 121
2,4-Dinitrotoluene	ND		3960	3900		ug/Kg		99	83 - 111
2,6-Dinitrotoluene	ND		3960	3910		ug/Kg		99	75 - 115
2-Amino-4,6-dinitrotoluene	ND		3960	3960		ug/Kg		100	68 - 128
4-Amino-2,6-dinitrotoluene	ND		3960	4600		ug/Kg		116	65 - 137
3-Nitrotoluene	ND		3960	4090		ug/Kg		103	82 - 111
Nitrobenzene	ND		3960	3830		ug/Kg		97	82 - 110
Nitroglycerin	ND		9900	8900		ug/Kg		90	64 - 121
2-Nitrotoluene	ND		3960	3830		ug/Kg		97	81 - 110
4-Nitrotoluene	ND		3960	3910		ug/Kg		99	81 - 113
PETN	ND		9900	8920		ug/Kg		90	66 - 128
RDX	ND		3960	3520		ug/Kg		89	53 - 123
HMX	ND		3960	4060		ug/Kg		103	54 - 140
Tetryl	ND	F1	3960	1940	F1	ug/Kg		49	53 - 125
	MS	MS							
Surrogate	%Recovery	Qualifier	Limits						
1,2-Dinitrobenzene (Surr)	101		79 - 120						

Client: SEMS, Inc.

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

Method: 8330B - Nitroaromatics and Nitramines (HPLC) (Continued)

Lab Sample ID: 160-13469-16 MSD Matrix: Solid

Client Sample ID: 2015.08.17.H-4

Prep Type: Total/NA

Analysis Batch: 208116	20,000	Zan Kini da	2-0	1.00	2442				Prep Ba	atch: 20	
STATE OF THE STATE	100 Days	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
1,3,5-Trinitrobenzene	ND		3840	4030		ug/Kg	= =	105	78 - 114	6	30
1,3-Dinitrobenzene	ND		3840	3660		ug/Kg		95	84 - 112	5	30
2,4,6-Trinitrotoluene	ND		3840	3380		ug/Kg		88	75-121	5	30
2,4-Dinitrotoluene	ND		3840	3700		ug/Kg		97	83 - 111	5	30
2,6-Dinitrotoluene	ND		3840	3710		ug/Kg		97	75-115	5	30
2-Amino-4,6-dinitrotoluene	ND		3840	3750		ug/Kg		98	68 - 128	5	30
4-Amino-2,6-dinitrotoluene	ND		3840	4380		ug/Kg		114	65 - 137	5	30
3-Nitrotoluene	ND		3840	3650		ug/Kg		95	82 - 111	11	30
Nitrobenzene	ND		3840	3570		ug/Kg		93	82 - 110	7	30
Nitroglycerin	ND		9590	8370		ug/Kg		87	64 - 121	6	30
2-Nitrotoluene	ND		3840	3610		ug/Kg		94	81 - 110	6	30
4-Nitrotoluene	ND		3840	3670		ug/Kg		96	81 - 113	6	30
PETN	ND		9590	8520		ug/Kg		89	66 - 128	5	30
RDX	ND		3840	3260		ug/Kg		85	53 - 123	8	30
HMX	ND		3840	3580		ug/Kg		93	54 - 140	12	30
Tetryl	ND	F1	3840	1590	F1	ug/Kg		41	53 - 125	20	30
	MSD	MSD									

Surrogate %Recovery Qualifier Limits 1,2-Dinitrobenzene (Surr) 98 79-120

Lab Sample ID: MB 160-207311/1-A

Matrix: Solid

Analysis Batch: 208116

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

Analysis Batch: 208116	MB	мв						Prep Batch:	207311
Analyte	Result		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trinitrobenzene	ND		250	27	ug/Kg		08/24/15 08:40	08/29/15 18:23	1
1,3-Dinitrobenzene	ND		250	44	ug/Kg		08/24/15 08:40	08/29/15 18:23	1
2,4,6-Trinitrotoluene	ND		250	36	ug/Kg		08/24/15 08:40	08/29/15 18:23	1
2,4-Dinitrotoluene	ND		250	38	ug/Kg		08/24/15 08:40	08/29/15 18:23	1
2,6-Dinitrotoluene	ND		250	64	ug/Kg		08/24/15 08:40	08/29/15 18:23	1
2-Amino-4,6-dinitrotoluene	ND		250	43	ug/Kg		08/24/15 08:40	08/29/15 18:23	1
4-Amino-2,6-dinitrotoluene	ND		250	93	ug/Kg		08/24/15 08:40	08/29/15 18:23	1
3-Nitrotoluene	ND		250	56	ug/Kg		08/24/15 08:40	08/29/15 18:23	1
Nitrobenzene	ND		250	43	ug/Kg		08/24/15 08:40	08/29/15 18:23	1
Nitroglycerin	ND		1300	270	ug/Kg		08/24/15 08:40	08/29/15 18:23	1
2-Nitrotoluene	ND		250	65	ug/Kg		08/24/15 08:40	08/29/15 18:23	1
4-Nitrotoluene	ND		250	81	ug/Kg		08/24/15 08:40	08/29/15 18:23	1
PETN	ND		2500	340	ug/Kg		08/24/15 08:40	08/29/15 18:23	1
RDX	ND		250	62	ug/Kg		08/24/15 08:40	08/29/15 18:23	1
HMX	ND		250		ug/Kg		08/24/15 08:40	08/29/15 18:23	1
Tetryl	ND		250	46	ug/Kg		08/24/15 08:40	08/29/15 18:23	1
	MB	MB							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dinitrobenzene (Surr)	105		79 - 120				08/24/15 08:40	08/29/15 18:23	1

Client: SEMS, Inc.

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

Method: 8330B - Nitroaromatics and Nitramines (HPLC) (Continued)

Lab Sample	ID: LCS	160-207311	1/2-A
Matrix: Solid			

Analysis Ratch: 208116

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

Analysis Batch: 208116	Spike	LCS		11-4		0/17	Prep Batch: 207311 %Rec.
Analyte	Added		Qualifier	Unit	D	%Rec	Limits
1,3,5-Trinitrobenzene	4000	4190		ug/Kg		105	75 - 115
1,3-Dinitrobenzene	4000	3900		ug/Kg		98	82 - 112
2,4,6-Trinitrotoluene	4000	3660		ug/Kg		92	80 - 113
2,4-Dinitrotoluene	4000	3890		ug/Kg		97	78 - 114
2,6-Dinitrotoluene	4000	4160		ug/Kg		104	80 - 108
2-Amino-4,6-dinitrotoluene	4000	4300		ug/Kg		107	77 - 113
4-Amino-2,6-dinitrotoluene	4000	4750		ug/Kg		119	75 - 125
3-Nitrotoluene	4000	3860		ug/Kg		96	77 - 113
Nitrobenzene	4000	3950		ug/Kg		99	82 - 109
Nitroglycerin	10000	9000		ug/Kg		90	76 - 107
2-Nitrotoluene	4000	3880		ug/Kg		97	78 - 109
4-Nitrotoluene	4000	3950		ug/Kg		99	80 - 109
PETN	10000	8920		ug/Kg		89	60 - 135
RDX	4000	3750		ug/Kg		94	83 - 107
HMX	4000	3860		ug/Kg		97	79 - 109
Tetryl	4000	2360		ug/Kg		59	50 - 130
I C	S ICS						

LCS LCS

103

Surrogate %Recovery Qualifier Limits 79 - 120 1,2-Dinitrobenzene (Surr) 96

Lab Sample ID: 160-13469-23 MS

Matrix: Solid

1,2-Dinitrobenzene (Surr)

Client	Sample	ID: 2015	08 17	M1
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Prep Type: Total/NA Prep Batch: 207311

Analysis Batch: 208116 Sample Sample Spike MS MS %Rec. Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits 1,3,5-Trinitrobenzene ND 3600 3680 ug/Kg 102 78 - 114 1,3-Dinitrobenzene ND 3600 3460 ug/Kg 96 84-112 ND 3600 2,4,6-Trinitrotoluene 3150 88 ug/Kg 75 - 121 2,4-Dinitrotoluene ND 3600 3430 ug/Kg 95 83 - 111 2,6-Dinitrotoluene ND 3600 3380 94 75-115 ug/Kg 2-Amino-4,6-dinitrotoluene ND 3600 3370 ug/Kg 94 68 - 128 4-Amino-2,6-dinitrotoluene ND 3600 3790 ug/Kg 105 65 - 137 3-Nitrotoluene ND 3600 3410 ug/Kg 95 82 - 111 Nitrobenzene ND 3600 3360 93 82-110 ug/Kg 9000 Nitroglycerin ND 7290 ug/Kg 81 64 - 121 3600 2-Nitrotoluene ND 3370 ug/Kg 93 81 - 110 4-Nitrotoluene ND 3600 96 3460 ug/Kg 81 - 113 PETN ND 9000 7870 87 ug/Kg 66 - 128 RDX ND 3600 3150 87 ug/Kg 53 - 123 **HMX** ND 3600 3390 94 ug/Kg 54 - 140 ND F1 3600 2060 Tetryl ug/Kg 57 53 - 125 MS MS Surrogate %Recovery Qualifier Limits

79 - 120

Client: SEMS, Inc.

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

Client Sample ID: 2015 08 18 P0.4

Method: 8330B - Nitroaromatics and Nitramines (HPLC) (Continued)

Lab Sample ID: 160-13469-23 MSD Client Sample ID: 2015 08 17 M1 Matrix: Solid Prep Type: Total/NA Analysis Batch: 208116 Prep Batch: 207311 Sample Sample Spike MSD MSD %Rec. RPD Result Qualifier Analyte Added Result Qualifier Unit %Rec Limits RPD Limit 1,3,5-Trinitrobenzene ND 3980 4410 ug/Kg 111 78 - 114 18 30 1,3-Dinitrobenzene ND 3980 3930 ug/Kg 99 84-112 13 30 2,4,6-Trinitrotoluene ND 3980 3570 ug/Kg 90 75-121 12 30 2,4-Dinitrotoluene ND 3980 3870 ug/Kg 97 83-111 12 30 2,6-Dinitrotoluene ND 3980 3890 ug/Kg 98 75-115 14 30 2-Amino-4,6-dinitrotoluene ND 3980 4020 101 ug/Kg 68 - 128 18 30 4-Amino-2,6-dinitrotoluene ND 3980 4830 ug/Kg 121 65 - 137 24 30 3-Nitrotoluene ND 3980 3850 97 ug/Kg 82 - 111 12 30 Nitrobenzene ND 3980 3860 ug/Kg 97 82-110 14 30 Nitroglycerin ND 9960 8920 90 64 - 121 20 ug/Kg 30 2-Nitrotoluene ND 3980 3960 ug/Kg 99 81-110 16 30 4-Nitrotoluene ND 3980 3920 ug/Kg 98 81 - 113 12 30 PETN ND 9960 9010 ug/Kg 91 66 - 128 14 30 RDX ND 3980 3440 ug/Kg 86 53 - 123 9 30 **HMX** ND 3980 3940 ug/Kg 99 54 - 140 15 30 Tetryl ND F1 3980 1950 F1 ug/Kg 49 53 - 125 6 30 MSD MSD

Surrogate Qualifier Limits %Recovery 1,2-Dinitrobenzene (Surr) 101 79 - 120

Lab Sample ID: 160-13469-37 MS Matrix: Solid

Matrix: Solid Analysis Batch: 208116		Suntan							Prep Type: Total/NA Prep Batch: 207311
4-254-X		Sample	Spike	MS	MS				%Rec.
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
1,3,5-Trinitrobenzene	ND		3920	4240		ug/Kg		108	78 - 114
1,3-Dinitrobenzene	ND		3920	3750		ug/Kg		95	84 - 112
2,4,6-Trinitrotoluene	ND		3920	3170		ug/Kg		81	75 - 121
2,4-Dinitrotoluene	ND		3920	3670		ug/Kg		94	83 - 111
2,6-Dinitrotoluene	ND		3920	3520		ug/Kg		90	75 - 115
2-Amino-4,6-dinitrotoluene	ND		3920	3560		ug/Kg		91	68 - 128
4-Amino-2,6-dinitrotoluene	ND		3920	4300		ug/Kg		110	65 - 137
3-Nitrotoluene	ND		3920	3690		ug/Kg		94	82-111
Nitrobenzene	ND		3920	3800		ug/Kg		97	82 - 110
Nitroglycerin	ND		9810	8010		ug/Kg		82	64 - 121
2-Nitrotoluene	ND		3920	3690		ug/Kg		94	81 - 110
4-Nitrotoluene	ND		3920	3690		ug/Kg		94	81 - 113
PETN	ND		9810	8870		ug/Kg		90	66 - 128
RDX	ND		3920	3440		ug/Kg		88	53 - 123
HMX	ND		3920	3730		ug/Kg		95	54 - 140
Tetryl	ND	F2 F1	3920	1820	F1	ug/Kg		46	53 - 125
	MS	MS							
Surrogate	%Recovery	Qualifier	Limits						
1,2-Dinitrobenzene (Surr)	98		79 - 120						

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

Client Sample ID: 2015 08 18 F7.5

Method: 8330B - Nitroaromatics and Nitramines (HPLC) (Continued)

Lab Sample ID: 160-13469-37 MSD Client Sample ID: 2015 08 18 P0.4 Matrix: Solid Prep Type: Total/NA

Analysis Batch: 208116 Prep Batch: 207311 Sample Sample Spike MSD MSD %Rec. RPD Analyte Result Qualifier Added Result Qualifier Limits RPD Limit Unit D %Rec 1,3,5-Trinitrobenzene ND 3910 4240 ug/Kg 108 78-114 30 1,3-Dinitrobenzene ND 3910 3770 ug/Kg 96 84-112 30 1 2,4,6-Trinitrotoluene ND 3910 3550 ug/Kg 91 75 - 121 30 2,4-Dinitrotoluene ND 3910 3850 ug/Kg 99 83-111 30 5 2,6-Dinitrotoluene ND 3910 3760 ug/Kg 96 75-115 7 30 2-Amino-4,6-dinitrotoluene ND 3910 ug/Kg 3860 99 68 - 128 30 4-Amino-2,6-dinitrotoluene ND 3910 30 4630 ug/Kg 118 65 - 137 3-Nitrotoluene 3910 ND 3870 ug/Kg 99 82-111 5 30 Nitrobenzene ND 3910 3770 96 82 - 110 30 ug/Kg Nitroglycerin ND 9780 30 8510 ug/Kg 87 64 - 121 2-Nitrotoluene ND 3910 3610 ug/Kg 92 81 - 110 30 4-Nitrotoluene ND 3910 3720 ug/Kg 95 81-113 30 PETN ND 9780 8940 91 30 ug/Kg 66 - 128 RDX ND 3910 3650 93 53-123 30 ug/Kg **HMX** ND 3910 3770 96 30 ug/Kg 54 - 140 Tetryl ND F2 F1 3910 1270 F1 F2 ug/Kg 33 53 - 125 35 30

MSD MSD Surrogate %Recovery Qualifier Limits 1,2-Dinitrobenzene (Surr) 102 79 - 120

Lab Sample ID: 160-13469-41 MS

Matrix: Solid Analysis Batch: 208116									Prep Type: Total/NA Prep Batch: 207311
Anna anna maranta and a	Sample	Sample	Spike	MS	MS				%Rec.
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
1,3,5-Trinitrobenzene	ND		3700	3860		ug/Kg	= -	104	78 - 114
1,3-Dinitrobenzene	ND		3700	3660		ug/Kg		99	84 - 112
2,4,6-Trinitrotoluene	ND		3700	3400		ug/Kg		92	75 - 121
2,4-Dinitrotoluene	ND	F1	3700	3620		ug/Kg		98	83 - 111
2,6-Dinitrotoluene	ND		3700	3770		ug/Kg		102	75-115
2-Amino-4,6-dinitrotoluene	ND		3700	3820		ug/Kg		103	68 - 128
4-Amino-2,6-dinitrotoluene	ND		3700	4230		ug/Kg		114	65 - 137
3-Nitrotoluene	ND		3700	3610		ug/Kg		97	82 - 111
Nitrobenzene	ND		3700	3610		ug/Kg		98	82 - 110
Nitroglycerin	ND		9260	7760		ug/Kg		84	64 - 121
2-Nitrotoluene	ND		3700	3430		ug/Kg		93	81 - 110
4-Nitrotoluene	ND		3700	3600		ug/Kg		97	81 - 113
PETN	ND		9260	8240		ug/Kg		89	66 - 128
RDX	ND		3700	3270		ug/Kg		88	53 - 123
HMX	ND		3700	3490		ug/Kg		94	54 - 140
Tetryl	ND		3700	1980		ug/Kg		54	53 - 125
	MS	MS							
Surrogate	%Recovery	Qualifier	Limits						
1,2-Dinitrobenzene (Surr)	99	-	79 - 120						

Client: SEMS, Inc.

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

Method: 8330B - Nitroaromatics and Nitramines (HPLC) (Continued)

Lab Sample ID: 160-13469-41 MSD Matrix: Solid

Client Sample ID: 2015 08 18 F7.5 Prep Type: Total/NA

Analysis Batch: 208116	******	E-100/40	2011/0	1,22	212				Prep Ba	itch: 20	
Analyte		Sample Qualifier	Spike Added		MSD	11-14		0/17	%Rec.	500	RPD
1,3,5-Trinitrobenzene		Qualifier			Qualifier	Unit	D	%Rec	Limits	RPD	Limit
	ND		3570	3580		ug/Kg		100	78 - 114	- /	30
1,3-Dinitrobenzene	ND		3570	3640		ug/Kg		102	84 - 112	1	30
2,4,6-Trinitrotoluene	ND		3570	3820		ug/Kg		107	75 - 121	12	30
2,4-Dinitrotoluene	ND	F1	3570	4050	F1	ug/Kg		113	83 - 111	11	30
2,6-Dinitrotoluene	ND		3570	3970		ug/Kg		111	75-115	5	30
2-Amino-4,6-dinitrotoluene	ND		3570	3970		ug/Kg		111	68 - 128	4	30
4-Amino-2,6-dinitrotoluene	ND		3570	4230		ug/Kg		118	65 - 137	0	30
3-Nitrotoluene	ND		3570	3470		ug/Kg		97	82-111	4	30
Nitrobenzene	ND		3570	3930		ug/Kg		110	82 - 110	8	30
Nitroglycerin	ND		8920	8230		ug/Kg		92	64 - 121	6	30
2-Nitrotoluene	ND		3570	3490		ug/Kg		98	81 - 110	2	30
4-Nitrotoluene	ND		3570	3370		ug/Kg		94	81 - 113	7	30
PETN	ND		8920	8140		ug/Kg		91	66 - 128	1	30
RDX	ND		3570	3260		ug/Kg		91	53 - 123	0	30
HMX	ND		3570	3420		ug/Kg		96	54 - 140	2	30
Tetryl	ND		3570	2170		ug/Kg		61	53 - 125	9	30
	MSD	MSD									

Limits

79 - 120

Method: 1613B - Dioxins and Furans (HRGC/HRMS)

%Recovery Qualifier

91

Matrix: Solid

1,2-Dinitrobenzene (Surr)

Lab Sample ID: MB 320-83902/1-A

Surrogate

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

Analysis Batch: 84244	мв	мв						Prep Batch	83902
Analyte		Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND		1.0	0.030	pg/g		08/24/15 13:03	08/26/15 01:28	1
2,3,7,8-TCDF	ND		1.0	0.027	pg/g		08/24/15 13:03	08/26/15 01:28	1
1,2,3,7,8-PeCDD	ND		5.0	0.047	pg/g		08/24/15 13:03	08/26/15 01:28	1
1,2,3,7,8-PeCDF	ND		5.0	0.034	pg/g		08/24/15 13:03	08/26/15 01:28	1
2,3,4,7,8-PeCDF	ND		5.0	0.039	pg/g		08/24/15 13:03	08/26/15 01:28	1
1,2,3,4,7,8-HxCDD	ND		5.0	0.030			08/24/15 13:03	08/26/15 01:28	1
1,2,3,6,7,8-HxCDD	ND		5.0	0.027			08/24/15 13:03	08/26/15 01:28	1
1,2,3,7,8,9-HxCDD	ND		5.0	0.025	pg/g		08/24/15 13:03	08/26/15 01:28	1
1,2,3,4,7,8-HxCDF	ND		5.0	0.024	pg/g		08/24/15 13:03	08/26/15 01:28	1
1,2,3,6,7,8-HxCDF	ND		5.0	0.021	10.00		08/24/15 13:03	08/26/15 01:28	1
1,2,3,7,8,9-HxCDF	ND		5.0	0.022			08/24/15 13:03	08/26/15 01:28	1
2,3,4,6,7,8-HxCDF	ND		5.0	0.020			08/24/15 13:03	08/26/15 01:28	1
1,2,3,4,6,7,8-HpCDD	0.0905	Jq	5.0	0.026	pg/g		08/24/15 13:03	08/26/15 01:28	1
1,2,3,4,6,7,8-HpCDF	0.0700	J	5.0	0.032	pg/g		08/24/15 13:03	08/26/15 01:28	1
1,2,3,4,7,8,9-HpCDF	ND		5.0	0.047	pg/g		08/24/15 13:03	08/26/15 01:28	1
OCDD	0.590	J	10	0.032	pg/g		08/24/15 13:03	08/26/15 01:28	1
OCDF	0.131	J	10	0.042			08/24/15 13:03	08/26/15 01:28	1
	MB	MB			33.5				
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	72		25 - 164				08/24/15 13:03	08/26/15 01:28	1

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

Method: 1613B - Dioxins and Furans (HRGC/HRMS) (Continued)

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Lab Sample ID: MB 320-83902/1-A

Matrix: Solid

Analysis Batch: 84244

Client Sample ID: Method Blank Prep Type: Total/NA Prep Batch: 83902

	MB	MB				
Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDF	73		24 - 169	08/24/15 13:03	08/26/15 01:28	1
13C-1,2,3,7,8-PeCDD	76		25 - 181	08/24/15 13:03	08/26/15 01:28	1
13C-1,2,3,7,8-PeCDF	74		24 - 185	08/24/15 13:03	08/26/15 01:28	1
13C-2,3,4,7,8-PeCDF	72		21 - 178	08/24/15 13:03	08/26/15 01:28	1
13C-1,2,3,4,7,8-HxCDD	76		32 - 141	08/24/15 13:03	08/26/15 01:28	1
13C-1,2,3,6,7,8-HxCDD	77		28 - 130	08/24/15 13:03	08/26/15 01:28	1
13C-1,2,3,4,7,8-HxCDF	73		26 - 152	08/24/15 13:03	08/26/15 01:28	1
13C-1,2,3,6,7,8-HxCDF	77		26 - 123	08/24/15 13:03	08/26/15 01:28	1
13C-2,3,4,6,7,8-HxCDF	79		28 - 136	08/24/15 13:03	08/26/15 01:28	1
13C-1,2,3,7,8,9-HxCDF	76		29 - 147	08/24/15 13:03	08/26/15 01:28	1
13C-1,2,3,4,6,7,8-HpCDD	79		23 - 140	08/24/15 13:03	08/26/15 01:28	1
13C-1,2,3,4,6,7,8-HpCDF	76		28 - 143	08/24/15 13:03	08/26/15 01:28	1
13C-1,2,3,4,7,8,9-HpCDF	74		26 - 138	08/24/15 13:03	08/26/15 01:28	1
13C-OCDD	78		17 - 157	08/24/15 13:03	08/26/15 01:28	1
	MB	MB				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac

35 - 197

Lab Sample ID: LCS 320-83902/2-A

Matrix: Solid

37CI4-2,3,7,8-TCDD

Analysis Batch: 84244

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

08/24/15 13:03 08/26/15 01:28

Prep Batch: 83902

Analysis Batch: 84244 Analyte		Spike Added		LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,3,7,8-TCDD		20.0	20.6		pg/g		103	67 - 158
2,3,7,8-TCDF		20.0	21.0		pg/g		105	75 - 158
1,2,3,7,8-PeCDD		100	105		pg/g		105	70 - 142
1,2,3,7,8-PeCDF		100	109		pg/g		109	80 - 134
2,3,4,7,8-PeCDF		100	113		pg/g		113	68 - 160
1,2,3,4,7,8-HxCDD		100	111		pg/g		111	70 - 164
1,2,3,6,7,8-HxCDD		100	108		pg/g		108	76 - 134
1,2,3,7,8,9-HxCDD		100	110		pg/g		110	64 - 162
1,2,3,4,7,8-HxCDF		100	113		pg/g		113	72 - 134
1,2,3,6,7,8-HxCDF		100	108		pg/g		108	84 - 130
1,2,3,7,8,9-HxCDF		100	108		pg/g		108	78 - 130
2,3,4,6,7,8-HxCDF		100	108		pg/g		108	70 - 156
1,2,3,4,6,7,8-HpCDD		100	108		pg/g		108	70 - 140
1,2,3,4,6,7,8-HpCDF		100	109		pg/g		109	82 - 122
1,2,3,4,7,8,9-HpCDF		100	112		pg/g		112	78 - 138
OCDD		200	212		pg/g		106	78 - 144
OCDF		200	215		pg/g		107	63 - 170
	LCS LCS							

Isotope Dilution	%Recovery	Qualifier	Limits
13C-2,3,7,8-TCDD	79		20 - 175
13C-2,3,7,8-TCDF	78		22 - 152
13C-1,2,3,7,8-PeCDD	81		21 - 227
13C-1,2,3,7,8-PeCDF	79		21 - 192
13C-2,3,4,7,8-PeCDF	76		13-328
13C-1,2,3,4,7,8-HxCDD	81		21 - 193

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

Method: 1613B - Dioxins and Furans (HRGC/HRMS) (Continued)

Lab Sample ID: LCS 320-83902/2-A

Matrix: Solid

Isotope Dilution

13C-1,2,3,6,7,8-HxCDD

13C-1,2,3,4,7,8-HxCDF

13C-1,2,3,6,7,8-HxCDF

Analysis Batch: 84244

LCS LCS %Recovery Qualifier Limits 79 25 - 163 77 19 - 202 81 21 - 159

13C-2,3,4,6,7,8-HxCDF 82 22 - 176 13C-1,2,3,7,8,9-HxCDF 81 17 - 205 13C-1,2,3,4,6,7,8-HpCDD 81 26 - 166 13C-1,2,3,4,6,7,8-HpCDF 81 21 - 158 13C-1,2,3,4,7,8,9-HpCDF 78 20 - 186

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LCS LCS Surrogate %Recovery Qualifier Limits 37CI4-2,3,7,8-TCDD 95 35 - 197 Client Sample ID: Lab Control Sample Prep Type: Total/NA

Prep Batch: 83902

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 160-209334/1-A

Matrix: Solid

13C-OCDD

Analysis Batch: 209820

Client Sample ID: Method Blank

Prep Type: Total/NA Prep Batch: 209334

MB MB Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Arsenic ND 0.90 0.23 mg/Kg 09/03/15 11:15 09/05/15 00:49 2 Barium ND 1.8 0.085 mg/Kg 09/03/15 11:15 09/05/15 00:49 2 Cadmium ND 0.045 0.014 mg/Kg 09/03/15 11:15 09/05/15 00:49 2 Chromium ND 0.90 0.40 mg/Kg 2 09/03/15 11:15 09/05/15 00:49 Lead ND 0.27 0.090 mg/Kg 09/03/15 11:15 09/05/15 00:49 2 Selenium ND 0.45 09/03/15 11:15 09/05/15 00:49 0.14 mg/Kg 2 Silver ND 0.18 0.022 mg/Kg 09/03/15 11:15 09/05/15 00:49

13 - 199

Lab Sample ID: LCSSRM 160-209334/2-A

Matrix: Solid

Analysis Batch: 209820

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

Prep Batch: 209334

Analyte	Spike Added		LCSSRM Qualifier	Unit	D	%Rec	%Rec.
Arsenic	113	121		mg/Kg		106.9	69.7 - 142.
Barium	155	163		mg/Kg		105.3	72.9 - 127.
Cadmium	67.5	71.5		mg/Kg		105.9	73.2 - 126. 8
Chromium	164	175		mg/Kg		106.9	70.7 - 129.
Lead	90.1	95.2		mg/Kg		105.6	70.1 - 129.
Selenium	156	173		mg/Kg		111.2	67.3 - 132.
Silver	52.6	55.7		mg/Kg		105.9	66.7 - 133.

Client: SEMS, Inc TestAmerica Job ID: 160-13469-1

Project/Site: Camp Minden Baseline Project

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 160-209813/1-A

Matrix: Solid

Analysis Batch: 210007

MB MB

Analyte

Result Qualifier Mercury ND

RL 0.031

MDL Unit 0.010 mg/Kg

Prepared 09/08/15 12:04 09/08/15 16:19

Client Sample ID: Method Blank

Analyzed Dil Fac

Prep Type: Total/NA

Prep Batch: 209813

Prep Type: Total/NA

Prep Batch: 209813

Lab Sample ID: LCSSRM 160-209813/2-A

Matrix: Solid

Analyte

Mercury

Analysis Batch: 210007

Spike Added

8.37

LCSSRM LCSSRM Result Qualifier

7.09

Unit mg/Kg D %Rec 84.7 %Rec. Limits

51.3 - 148.

Client Sample ID: Lab Control Sample

Client Sample ID: Method Blank

%Rec.

Limits

34 - 115

34 - 115

Method: WS-WC-0050 - Nitrocellulose

Lab Sample ID: MB 320-84173/1-B

Matrix: Solid

Analysis Batch: 84350

MB MB

Sample Sample

ND F1

Result Qualifier

Nitrocellulose

Result Qualifier ND

RL 5.0 **MDL** Unit 0.78 mg/Kg

Prepared 08/27/15 08:01 08/27/15 15:52

Analyzed

Prep Type: Total/NA

Prep Type: Total/NA

Prep Batch: 84252

Prep Batch: 84252

Dil Fac

Lab Sample ID: LCS 320-84173/2-B

Matrix: Solid

Analysis Batch: 84350

Analyte

Nitrocellulose

Lab Sample ID: 160-13469-38 MS

Matrix: Solid

Analysis Batch: 84350

Lab Sample ID: 160-13469-38 MSD

Nitrocellulose

Analyte

Matrix: Solid

Analysis Batch: 84350

Sample Sample Result Qualifier Analyte Nitrocellulose ND F1

Spike

Added

50.8

Spike

Added

56.2

Spike

Added

56.3

LCS LCS

MS MS

15.8 F1

MSD MSD

17.2 F1

Result Qualifier

Result Qualifier

21.6

Client Sample ID: Lab Control Sample

mg/Kg

Unit

Unit

mg/Kg

mg/Kg

Result Qualifier Unit

%Rec 43

%Rec

%Rec

31

D

28

Client Sample ID: 2015 08 18 H2 Prep Type: Total/NA

Prep Batch: 84252 %Rec. Limits

Client Sample ID: 2015 08 18 H2 Prep Type: Total/NA

Prep Batch: 84252 %Rec. RPD Limit

Limits RPD 34 - 115

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

GC/MS VOA

Prep Batch: 207159

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-13469-1	2015.08.17.A.5	Total/NA	Solid	5035	
160-13469-2	2015.08.17.A.3	Total/NA	Solid	5035	
160-13469-3	2015.08.17.A.1	Total/NA	Solid	5035	
160-13469-4	2015.08.17.A.1.6	Total/NA	Solid	5035	
160-13469-5	2015.08.17.C.1	Total/NA	Solid	5035	
160-13469-6	2015.08.17.C.1.6	Total/NA	Solid	5035	
160-13469-8	2015.08.17.C.5	Total/NA	Solid	5035	
160-13469-10	2015.08.17.E.3	Total/NA	Solid	5035	
160-13469-12	2015.08.17.E.1	Total/NA	Solid	5035	
160-13469-13	2015.08.17.G.3	Total/NA	Solid	5035	
160-13469-14	2015.08.17.G.5	Total/NA	Solid	5035	
160-13469-15	2015.08.17.DUP #01	Total/NA	Solid	5035	
160-13469-16	2015.08.17.H-4	Total/NA	Solid	5035	
160-13469-16 MS	2015.08.17.H-4	Total/NA	Solid	5035	
160-13469-16 MSD	2015.08.17.H-4	Total/NA	Solid	5035	
160-13469-17	2015.08.17.15	Total/NA	Solid	5035	
160-13469-20	2015.08.17.K1	Total/NA	Solid	5035	
LCS 160-207159/2-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 160-207159/3-A	Lab Control Sample Dup	Total/NA	Solid	5035	
MB 160-207159/1-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 207160

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-13469-1	2015.08.17.A.5	Total/NA	Solid	8260C	207159
160-13469-2	2015.08.17.A.3	Total/NA	Solid	8260C	207159
160-13469-3	2015.08.17.A.1	Total/NA	Solid	8260C	207159
160-13469-4	2015.08.17.A.1.6	Total/NA	Solid	8260C	207159
160-13469-5	2015.08.17.C.1	Total/NA	Solid	8260C	207159
160-13469-6	2015.08.17.C.1.6	Total/NA	Solid	8260C	207159
160-13469-8	2015.08.17.C.5	Total/NA	Solid	8260C	207159
160-13469-10	2015.08.17.E.3	Total/NA	Solid	8260C	207159
160-13469-12	2015.08.17.E.1	Total/NA	Solid	8260C	207159
160-13469-13	2015.08.17.G.3	Total/NA	Solid	8260C	207159
160-13469-14	2015.08.17.G.5	Total/NA	Solid	8260C	207159
160-13469-15	2015.08.17.DUP #01	Total/NA	Solid	8260C	207159
160-13469-16	2015.08.17.H-4	Total/NA	Solid	8260C	207159
160-13469-16 MS	2015.08.17.H-4	Total/NA	Solid	8260C	207159
160-13469-16 MSD	2015.08.17.H-4	Total/NA	Solid	8260C	207159
160-13469-17	2015.08.17.15	Total/NA	Solid	8260C	207159
160-13469-20	2015.08.17.K1	Total/NA	Solid	8260C	207159
LCS 160-207159/2-A	Lab Control Sample	Total/NA	Solid	8260C	207159
LCSD 160-207159/3-A	Lab Control Sample Dup	Total/NA	Solid	8260C	207159
MB 160-207159/1-A	Method Blank	Total/NA	Solid	8260C	207159

Analysis Batch: 207384

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-13469-28	2015 08 17 FIELD BLANK	Total/NA	Water	8260C	
160-13469-29	2015 08 17 EQUIP BLANK	Total/NA	Water	8260C	
160-13469-30	2015 08 18 FIELD BLANK	Total/NA	Water	8260C	
160-13469-31	2015 08 18 EQUIP BLANK	Total/NA	Water	8260C	
160-13469-43	2015 08 19 TRIP BLK 01	Total/NA	Water	8260C	

Client: SEMS, Inc TestAmerica Job ID: 160-13469-1

Project/Site: Camp Minden Baseline Project

GC/MS VOA (Continued)

Analysis Batch: 207384 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-13469-44	2015 08 19 TRIP BLK 02	Total/NA	Water	8260C	
160-13469-45	2015 08 19 TRIP BLK 03	Total/NA	Water	8260C	
160-13469-46	2015 08 19 TRIP BLK 04	Total/NA	Water	8260C	
160-13469-47	2015 08 19 TRIP BLK 05	Total/NA	Water	8260C	
160-13469-48	2015 08 19 TRIP BLK 06	Total/NA	Water	8260C	
160-13469-50	2015 08 19 TRIP BLK 08	Total/NA	Water	8260C	
160-13469-51	2015 08 19 TRIP BLK 09	Total/NA	Water	8260C	
160-13469-52	2015 08 19 TRIP BLK 10	Total/NA	Water	8260C	
160-13469-53	2015 08 19 TRIP BLK 11	Total/NA	Water	8260C	
LCS 160-207384/4	Lab Control Sample	Total/NA	Water	8260C	
LCSD 160-207384/5	Lab Control Sample Dup	Total/NA	Water	8260C	
MB 160-207384/7	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 208119

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-13469-49 - RA	2015 08 19 TRIP BLK 07	Total/NA	Water	8260C	
LCS 160-208119/3	Lab Control Sample	Total/NA	Water	8260C	
LCSD 160-208119/4	Lab Control Sample Dup	Total/NA	Water	8260C	
MB 160-208119/6	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 208216

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-13469-7	2015.08.17.C.3	Total/NA	Solid	8260C	208225
160-13469-9	2015.08.17.E.5	Total/NA	Solid	8260C	208225
160-13469-18	2015.08.17.K3	Total/NA	Solid	8260C	208225
160-13469-19	2015.08.17.K5	Total/NA	Solid	8260C	208225
160-13469-21	2015.08.17.1-1	Total/NA	Solid	8260C	208225
160-13469-22	2015.08.17 DUP #02	Total/NA	Solid	8260C	208225
160-13469-23	2015 08 17 M1	Total/NA	Solid	8260C	208225
160-13469-23 MS	2015 08 17 M1	Total/NA	Solid	8260C	208225
160-13469-23 MSD	2015 08 17 M1	Total/NA	Solid	8260C	208225
LCS 160-208225/2-A	Lab Control Sample	Total/NA	Solid	8260C	208225
LCSD 160-208225/3-A	Lab Control Sample Dup	Total/NA	Solid	8260C	208225
MB 160-208225/1-A	Method Blank	Total/NA	Solid	8260C	208225

Prep Batch: 208225

TAR MANAGEMENT AND					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-13469-7	2015.08.17.C.3	Total/NA	Solid	5035	
160-13469-9	2015.08.17.E.5	Total/NA	Solid	5035	
160-13469-18	2015.08.17.K3	Total/NA	Solid	5035	
160-13469-19	2015.08.17.K5	Total/NA	Solid	5035	
160-13469-21	2015.08.17.1-1	Total/NA	Solid	5035	
160-13469-22	2015.08.17 DUP #02	Total/NA	Solid	5035	
160-13469-23	2015 08 17 M1	Total/NA	Solid	5035	
160-13469-23 MS	2015 08 17 M1	Total/NA	Solid	5035	
160-13469-23 MSD	2015 08 17 M1	Total/NA	Solid	5035	
LCS 160-208225/2-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 160-208225/3-A	Lab Control Sample Dup	Total/NA	Solid	5035	
MB 160-208225/1-A	Method Blank	Total/NA	Solid	5035	

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

GC/MS VOA (Continued)

Analysis Batch: 208418

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-13469-24	2015 08 18 N2	Total/NA	Solid	8260C	208436
160-13469-25	2015 08 18 M3	Total/NA	Solid	8260C	208436
160-13469-26	2015 08 18 L4	Total/NA	Solid	8260C	208436
160-13469-27	2015 08 18 M5	Total/NA	Solid	8260C	208436
160-13469-32	2015 08 18 P0.7	Total/NA	Solid	8260C	208436
160-13469-33	2015 08 18 Q0.4	Total/NA	Solid	8260C	208436
160-13469-34	2015 08 18 P0.2	Total/NA	Solid	8260C	208436
160-13469-35	2015 08 18 00.2	Total/NA	Solid	8260C	208436
160-13469-36	2015 08 18 DUP #03	Total/NA	Solid	8260C	208436
160-13469-37	2015 08 18 P0.4	Total/NA	Solid	8260C	208436
160-13469-37 MS	2015 08 18 P0.4	Total/NA	Solid	8260C	208436
160-13469-37 MSD	2015 08 18 P0.4	Total/NA	Solid	8260C	208436
160-13469-38	2015 08 18 H2	Total/NA	Solid	8260C	208436
160-13469-39	2015 08 18 B2.3	Total/NA	Solid	8260C	208436
160-13469-40	2015 08 18 E6.5	Total/NA	Solid	8260C	208436
160-13469-41	2015 08 18 F7.5	Total/NA	Solid	8260C	208436
160-13469-41 MS	2015 08 18 F7.5	Total/NA	Solid	8260C	208436
160-13469-41 MSD	2015 08 18 F7.5	Total/NA	Solid	8260C	208436
160-13469-42	2015 08 18 DUP #04	Total/NA	Solid	8260C	208436
LCS 160-208436/2-A	Lab Control Sample	Total/NA	Solid	8260C	208436
LCSD 160-208436/3-A	Lab Control Sample Dup	Total/NA	Solid	8260C	208436
MB 160-208436/1-A	Method Blank	Total/NA	Solid	8260C	208436
TOTAL CO. L. C. L.					

Prep Batch: 208436

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-13469-24	2015 08 18 N2	Total/NA	Solid	5035	
160-13469-25	2015 08 18 M3	Total/NA	Solid	5035	
160-13469-26	2015 08 18 L4	Total/NA	Solid	5035	
160-13469-27	2015 08 18 M5	Total/NA	Solid	5035	
60-13469-32	2015 08 18 P0.7	Total/NA	Solid	5035	
60-13469-33	2015 08 18 Q0.4	Total/NA	Solid	5035	
60-13469-34	2015 08 18 P0.2	Total/NA	Solid	5035	
160-13469-35	2015 08 18 00.2	Total/NA	Solid	5035	
60-13469-36	2015 08 18 DUP #03	Total/NA	Solid	5035	
60-13469-37	2015 08 18 P0.4	Total/NA	Solid	5035	
60-13469-37 MS	2015 08 18 P0.4	Total/NA	Solid	5035	
60-13469-37 MSD	2015 08 18 P0.4	Total/NA	Solid	5035	
60-13469-38	2015 08 18 H2	Total/NA	Solid	5035	
60-13469-39	2015 08 18 B2.3	Total/NA	Solid	5035	
60-13469-40	2015 08 18 E6.5	Total/NA	Solid	5035	
60-13469-41	2015 08 18 F7.5	Total/NA	Solid	5035	
60-13469-41 MS	2015 08 18 F7.5	Total/NA	Solid	5035	
60-13469-41 MSD	2015 08 18 F7.5	Total/NA	Solid	5035	
60-13469-42	2015 08 18 DUP #04	Total/NA	Solid	5035	
CS 160-208436/2-A	Lab Control Sample	Total/NA	Solid	5035	
CSD 160-208436/3-A	Lab Control Sample Dup	Total/NA	Solid	5035	
/B 160-208436/1-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 208822

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-13469-11	2015.08.17.G.1	Total/NA	Solid	8260C	208823

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

GC/MS VOA (Continued)

Analysis	Batch: 208822	(Continued)
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Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 160-208823/2-A	Lab Control Sample	Total/NA	Solid	8260C	208823
LCSD 160-208823/3-A	Lab Control Sample Dup	Total/NA	Solid	8260C	208823
MB 160-208823/1-A	Method Blank	Total/NA	Solid	8260C	208823

Prep Batch: 208823

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-13469-11	2015.08.17.G.1	Total/NA	Solid	5035	
LCS 160-208823/2-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 160-208823/3-A	Lab Control Sample Dup	Total/NA	Solid	5035	
MB 160-208823/1-A	Method Blank	Total/NA	Solid	5035	

GC/MS Semi VOA

Prep Batch: 206961

Client Sample ID	Prep Type	Matrix	Method	Prep Batch
2015 08 17 FIELD BLANK	Total/NA	Water	3510C	
2015 08 17 EQUIP BLANK	Total/NA	Water	3510C	
2015 08 18 FIELD BLANK	Total/NA	Water	3510C	
2015 08 18 EQUIP BLANK	Total/NA	Water	3510C	
Lab Control Sample	Total/NA	Water	3510C	
Method Blank	Total/NA	Water	3510C	
	2015 08 17 FIELD BLANK 2015 08 17 EQUIP BLANK 2015 08 18 FIELD BLANK 2015 08 18 EQUIP BLANK Lab Control Sample	2015 08 17 FIELD BLANK Total/NA 2015 08 17 EQUIP BLANK Total/NA 2015 08 18 FIELD BLANK Total/NA 2015 08 18 EQUIP BLANK Total/NA Lab Control Sample Total/NA	2015 08 17 FIELD BLANK Total/NA Water 2015 08 17 EQUIP BLANK Total/NA Water 2015 08 18 FIELD BLANK Total/NA Water 2015 08 18 EQUIP BLANK Total/NA Water Lab Control Sample Total/NA Water	2015 08 17 FIELD BLANK Total/NA Water 3510C 2015 08 17 EQUIP BLANK Total/NA Water 3510C 2015 08 18 FIELD BLANK Total/NA Water 3510C 2015 08 18 EQUIP BLANK Total/NA Water 3510C Lab Control Sample Total/NA Water 3510C

Prep Batch: 207953

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-13469-1	2015.08.17.A.5	Total/NA	Solid	3550C	
160-13469-2	2015.08.17.A.3	Total/NA	Solid	3550C	
160-13469-3	2015.08.17.A.1	Total/NA	Solid	3550C	
160-13469-4	2015.08.17.A.1.6	Total/NA	Solid	3550C	
160-13469-5	2015.08.17.C.1	Total/NA	Solid	3550C	
160-13469-6	2015.08.17.C.1.6	Total/NA	Solid	3550C	
160-13469-7	2015.08.17.C.3	Total/NA	Solid	3550C	
160-13469-8	2015.08.17.C.5	Total/NA	Solid	3550C	
160-13469-9	2015.08.17.E.5	Total/NA	Solid	3550C	
160-13469-10	2015.08.17.E.3	Total/NA	Solid	3550C	
160-13469-11	2015.08.17.G.1	Total/NA	Solid	3550C	
160-13469-12	2015.08.17.E.1	Total/NA	Solid	3550C	
160-13469-13	2015.08.17.G.3	Total/NA	Solid	3550C	
160-13469-14	2015.08.17.G.5	Total/NA	Solid	3550C	
160-13469-15	2015.08.17.DUP #01	Total/NA	Solid	3550C	
160-13469-16	2015.08.17.H-4	Total/NA	Solid	3550C	
160-13469-16 MS	2015.08.17.H-4	Total/NA	Solid	3550C	
160-13469-16 MSD	2015.08.17.H-4	Total/NA	Solid	3550C	
LCS 160-207953/2-A	Lab Control Sample	Total/NA	Solid	3550C	
MB 160-207953/1-A	Method Blank	Total/NA	Solid	3550C	

Analysis Batch: 208190

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-13469-28	2015 08 17 FIELD BLANK	Total/NA	Water	8270D	206961
160-13469-29	2015 08 17 EQUIP BLANK	Total/NA	Water	8270D	206961
160-13469-30	2015 08 18 FIELD BLANK	Total/NA	Water	8270D	206961

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

GC/MS Semi VOA (Continued)

Analysis Batch: 208190 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-13469-31	2015 08 18 EQUIP BLANK	Total/NA	Water	8270D	206961
LCS 160-206961/2-A	Lab Control Sample	Total/NA	Water	8270D	206961
MB 160-206961/1-A	Method Blank	Total/NA	Water	8270D	206961

Analysis Batch: 208439

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-13469-1	2015.08.17.A.5	Total/NA	Solid	8270D	207953
160-13469-2	2015.08.17.A.3	Total/NA	Solid	8270D	207953
160-13469-3	2015.08.17.A.1	Total/NA	Solid	8270D	207953
160-13469-4	2015.08.17.A.1.6	Total/NA	Solid	8270D	207953
160-13469-5	2015.08.17.C.1	Total/NA	Solid	8270D	207953
160-13469-6	2015.08.17.C.1.6	Total/NA	Solid	8270D	207953
160-13469-7	2015.08.17.C.3	Total/NA	Solid	8270D	207953
160-13469-8	2015.08.17.C.5	Total/NA	Solid	8270D	207953
160-13469-9	2015.08.17.E.5	Total/NA	Solid	8270D	207953
160-13469-10	2015.08.17.E.3	Total/NA	Solid	8270D	207953
160-13469-11	2015.08.17.G.1	Total/NA	Solid	8270D	207953
160-13469-12	2015.08.17.E.1	Total/NA	Solid	8270D	207953
160-13469-13	2015.08.17.G.3	Total/NA	Solid	8270D	207953
160-13469-14	2015.08.17.G.5	Total/NA	Solid	8270D	207953
160-13469-15	2015.08.17.DUP #01	Total/NA	Solid	8270D	207953
160-13469-16	2015.08.17.H-4	Total/NA	Solid	8270D	207953
160-13469-16 MS	2015.08.17.H-4	Total/NA	Solid	8270D	207953
160-13469-16 MSD	2015.08.17.H-4	Total/NA	Solid	8270D	207953
LCS 160-207953/2-A	Lab Control Sample	Total/NA	Solid	8270D	207953
MB 160-207953/1-A	Method Blank	Total/NA	Solid	8270D	207953

Prep Batch: 208641

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-13469-17	2015.08.17.15	Total/NA	Solid	3550C	
160-13469-18	2015.08.17.K3	Total/NA	Solid	3550C	
160-13469-19	2015.08.17.K5	Total/NA	Solid	3550C	
160-13469-20	2015.08.17.K1	Total/NA	Solid	3550C	
160-13469-21	2015.08.17.I-1	Total/NA	Solid	3550C	
160-13469-22	2015.08.17 DUP #02	Total/NA	Solid	3550C	
160-13469-23	2015 08 17 M1	Total/NA	Solid	3550C	
160-13469-23 MS	2015 08 17 M1	Total/NA	Solid	3550C	
160-13469-23 MSD	2015 08 17 M1	Total/NA	Solid	3550C	
160-13469-24	2015 08 18 N2	Total/NA	Solid	3550C	
160-13469-25	2015 08 18 M3	Total/NA	Solid	3550C	
60-13469-26	2015 08 18 L4	Total/NA	Solid	3550C	
160-13469-27	2015 08 18 M5	Total/NA	Solid	3550C	
160-13469-32	2015 08 18 P0.7	Total/NA	Solid	3550C	
160-13469-33	2015 08 18 Q0.4	Total/NA	Solid	3550C	
160-13469-34	2015 08 18 P0.2	Total/NA	Solid	3550C	
160-13469-35	2015 08 18 00.2	Total/NA	Solid	3550C	
160-13469-36	2015 08 18 DUP #03	Total/NA	Solid	3550C	
160-13469-37	2015 08 18 P0.4	Total/NA	Solid	3550C	
160-13469-37 MS	2015 08 18 P0.4	Total/NA	Solid	3550C	
160-13469-37 MSD	2015 08 18 P0.4	Total/NA	Solid	3550C	
CS 160-208641/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

GC/MS Semi VOA (Continued)

Prep	Batch:	208641	Continue	ed)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 160-208641/1-A	Method Blank	Total/NA	Solid	3550C	

Prep Batch: 208680

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-13469-38	2015 08 18 H2	Total/NA	Solid	3550C	
160-13469-39	2015 08 18 B2.3	Total/NA	Solid	3550C	
160-13469-40	2015 08 18 E6.5	Total/NA	Solid	3550C	
160-13469-41	2015 08 18 F7.5	Total/NA	Solid	3550C	
160-13469-41 MS	2015 08 18 F7.5	Total/NA	Solid	3550C	
160-13469-41 MSD	2015 08 18 F7.5	Total/NA	Solid	3550C	
160-13469-42	2015 08 18 DUP #04	Total/NA	Solid	3550C	
LCS 160-208680/2-A	Lab Control Sample	Total/NA	Solid	3550C	
MB 160-208680/1-A	Method Blank	Total/NA	Solid	3550C	

Analysis Batch: 209078

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-13469-17	2015.08.17.15	Total/NA	Solid	8270D	208641
160-13469-18	2015.08.17.K3	Total/NA	Solid	8270D	208641
160-13469-19	2015.08.17.K5	Total/NA	Solid	8270D	208641
60-13469-20	2015.08.17.K1	Total/NA	Solid	8270D	208641
60-13469-21	2015.08.17.I-1	Total/NA	Solid	8270D	208641
60-13469-22	2015.08.17 DUP #02	Total/NA	Solid	8270D	208641
60-13469-23	2015 08 17 M1	Total/NA	Solid	8270D	208641
60-13469-23 MS	2015 08 17 M1	Total/NA	Solid	8270D	208641
60-13469-23 MSD	2015 08 17 M1	Total/NA	Solid	8270D	208641
60-13469-24	2015 08 18 N2	Total/NA	Solid	8270D	208641
60-13469-25	2015 08 18 M3	Total/NA	Solid	8270D	208641
60-13469-26	2015 08 18 L4	Total/NA	Solid	8270D	20864
60-13469-27	2015 08 18 M5	Total/NA	Solid	8270D	208641
60-13469-32	2015 08 18 P0.7	Total/NA	Solid	8270D	208641
160-13469-33	2015 08 18 Q0.4	Total/NA	Solid	8270D	208641
60-13469-34	2015 08 18 P0.2	Total/NA	Solid	8270D	208641
60-13469-37	2015 08 18 P0.4	Total/NA	Solid	8270D	208641
60-13469-37 MS	2015 08 18 P0.4	Total/NA	Solid	8270D	208641
60-13469-37 MSD	2015 08 18 P0.4	Total/NA	Solid	8270D	208641
CS 160-208641/2-A	Lab Control Sample	Total/NA	Solid	8270D	20864
MB 160-208641/1-A	Method Blank	Total/NA	Solid	8270D	208641

Analysis Batch: 209455

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-13469-35	2015 08 18 O0.2	Total/NA	Solid	8270D	208641
160-13469-36	2015 08 18 DUP #03	Total/NA	Solid	8270D	208641
160-13469-38	2015 08 18 H2	Total/NA	Solid	8270D	208680
160-13469-39	2015 08 18 B2.3	Total/NA	Solid	8270D	208680
160-13469-40	2015 08 18 E6.5	Total/NA	Solid	8270D	208680
160-13469-41	2015 08 18 F7.5	Total/NA	Solid	8270D	208680
160-13469-41 MS	2015 08 18 F7.5	Total/NA	Solid	8270D	208680
160-13469-41 MSD	2015 08 18 F7.5	Total/NA	Solid	8270D	208680
160-13469-42	2015 08 18 DUP #04	Total/NA	Solid	8270D	208680
LCS 160-208680/2-A	Lab Control Sample	Total/NA	Solid	8270D	208680
MB 160-208680/1-A	Method Blank	Total/NA	Solid	8270D	208680

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

GC VOA

Prep	Batch	: 208900
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Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-13469-40	2015 08 18 E6.5	Total/NA	Solid	5030B	
160-13469-40 MS	2015 08 18 E6.5	Total/NA	Solid	5030B	
160-13469-40 MSD	2015 08 18 E6.5	Total/NA	Solid	5030B	
LCS 160-208900/2-A	Lab Control Sample	Total/NA	Solid	5030B	
MB 160-208900/1-A	Method Blank	Total/NA	Solid	5030B	

Analysis Batch: 209316

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-13469-40	2015 08 18 E6.5	Total/NA	Solid	8015B	208900
160-13469-40 MS	2015 08 18 E6.5	Total/NA	Solid	8015B	208900
160-13469-40 MSD	2015 08 18 E6.5	Total/NA	Solid	8015B	208900
LCS 160-208900/2-A	Lab Control Sample	Total/NA	Solid	8015B	208900
MB 160-208900/1-A	Method Blank	Total/NA	Solid	8015B	208900

GC Semi VOA

Prep Batch: 206962

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-13469-40	2015 08 18 E6.5	Total/NA	Solid	3550C	
160-13469-40 MS	2015 08 18 E6.5	Total/NA	Solid	3550C	
160-13469-40 MSD	2015 08 18 E6.5	Total/NA	Solid	3550C	
LCS 160-206962/2-A	Lab Control Sample	Total/NA	Solid	3550C	
MB 160-206962/1-A	Method Blank	Total/NA	Solid	3550C	

Analysis Batch: 207694

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-13469-40	2015 08 18 E6.5	Total/NA	Solid	8015B	206962
160-13469-40 MS	2015 08 18 E6.5	Total/NA	Solid	8015B	206962
160-13469-40 MSD	2015 08 18 E6.5	Total/NA	Solid	8015B	206962
LCS 160-206962/2-A	Lab Control Sample	Total/NA	Solid	8015B	206962
MB 160-206962/1-A	Method Blank	Total/NA	Solid	8015B	206962

HPLC/IC

Prep Batch: 206908

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-13469-28	2015 08 17 FIELD BLANK	Total/NA	Water	8330-Prep	
160-13469-29	2015 08 17 EQUIP BLANK	Total/NA	Water	8330-Prep	
160-13469-30	2015 08 18 FIELD BLANK	Total/NA	Water	8330-Prep	
160-13469-31	2015 08 18 EQUIP BLANK	Total/NA	Water	8330-Prep	
LCS 160-206908/2-A	Lab Control Sample	Total/NA	Water	8330-Prep	
LCSD 160-206908/3-A	Lab Control Sample Dup	Total/NA	Water	8330-Prep	
MB 160-206908/1-A	Method Blank	Total/NA	Water	8330-Prep	

Prep Batch: 207310

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-13469-1	2015.08.17.A.5	Total/NA	Solid	SHAKE	
160-13469-2	2015.08.17.A.3	Total/NA	Solid	SHAKE	
160-13469-3	2015.08.17.A.1	Total/NA	Solid	SHAKE	
160-13469-4	2015.08.17.A.1.6	Total/NA	Solid	SHAKE	

Client: SEMS, Inc.

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

HPLC/IC (Continued)

Prep Batch: 207310 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-13469-5	2015.08.17.C.1	Total/NA	Solid	SHAKE	
160-13469-6	2015.08.17.C.1.6	Total/NA	Solid	SHAKE	
160-13469-7	2015.08.17.C.3	Total/NA	Solid	SHAKE	
160-13469-8	2015,08.17.C.5	Total/NA	Solid	SHAKE	
160-13469-9	2015.08.17.E.5	Total/NA	Solid	SHAKE	
160-13469-10	2015.08.17.E.3	Total/NA	Solid	SHAKE	
160-13469-11	2015.08.17.G.1	Total/NA	Solid	SHAKE	
160-13469-12	2015.08.17.E.1	Total/NA	Solid	SHAKE	
160-13469-13	2015.08.17.G.3	Total/NA	Solid	SHAKE	
160-13469-14	2015.08.17.G.5	Total/NA	Solid	SHAKE	
160-13469-15	2015.08.17.DUP #01	Total/NA	Solid	SHAKE	
160-13469-16	2015.08.17.H-4	Total/NA	Solid	SHAKE	
160-13469-16 MS	2015.08.17.H-4	Total/NA	Solid	SHAKE	
160-13469-16 MSD	2015.08.17.H-4	Total/NA	Solid	SHAKE	
160-13469-17	2015.08.17.15	Total/NA	Solid	SHAKE	
160-13469-18	2015.08.17.K3	Total/NA	Solid	SHAKE	
160-13469-19	2015.08.17.K5	Total/NA	Solid	SHAKE	
160-13469-20	2015.08.17.K1	Total/NA	Solid	SHAKE	
LCS 160-207310/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
MB 160-207310/1-A	Method Blank	Total/NA	Solid	SHAKE	

Prep Batch: 207311

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-13469-21	2015.08.17.1-1	Total/NA	Solid	SHAKE	
160-13469-22	2015.08.17 DUP #02	Total/NA	Solid	SHAKE	
160-13469-23	2015 08 17 M1	Total/NA	Solid	SHAKE	
160-13469-23 MS	2015 08 17 M1	Total/NA	Solid	SHAKE	
160-13469-23 MSD	2015 08 17 M1	Total/NA	Solid	SHAKE	
160-13469-24	2015 08 18 N2	Total/NA	Solid	SHAKE	
160-13469-25	2015 08 18 M3	Total/NA	Solid	SHAKE	
160-13469-26	2015 08 18 L4	Total/NA	Solid	SHAKE	
160-13469-27	2015 08 18 M5	Total/NA	Solid	SHAKE	
160-13469-32	2015 08 18 P0.7	Total/NA	Solid	SHAKE	
160-13469-33	2015 08 18 Q0.4	Total/NA	Solid	SHAKE	
160-13469-34	2015 08 18 P0.2	Total/NA	Solid	SHAKE	
160-13469-35	2015 08 18 00.2	Total/NA	Solid	SHAKE	
160-13469-36	2015 08 18 DUP #03	Total/NA	Solid	SHAKE	
160-13469-37	2015 08 18 P0.4	Total/NA	Solid	SHAKE	
160-13469-37 MS	2015 08 18 P0.4	Total/NA	Solid	SHAKE	
160-13469-37 MSD	2015 08 18 P0.4	Total/NA	Solid	SHAKE	
160-13469-38	2015 08 18 H2	Total/NA	Solid	SHAKE	
160-13469-39	2015 08 18 B2.3	Total/NA	Solid	SHAKE	
160-13469-40	2015 08 18 E6.5	Total/NA	Solid	SHAKE	
160-13469-41	2015 08 18 F7.5	Total/NA	Solid	SHAKE	
160-13469-41 MS	2015 08 18 F7.5	Total/NA	Solid	SHAKE	
160-13469-41 MSD	2015 08 18 F7.5	Total/NA	Solid	SHAKE	
160-13469-42	2015 08 18 DUP #04	Total/NA	Solid	SHAKE	
LCS 160-207311/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
MB 160-207311/1-A	Method Blank	Total/NA	Solid	SHAKE	

Client: SEMS, Inc.

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

HPLC/IC (Continued)

Analysis Batch: 208116

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-13469-1	2015.08.17.A.5	Total/NA	Solid	8330B	207310
160-13469-2	2015.08.17.A.3	Total/NA	Solid	8330B	207310
160-13469-3	2015.08.17.A.1	Total/NA	Solid	8330B	207310
160-13469-4	2015.08.17.A.1.6	Total/NA	Solid	8330B	207310
160-13469-5	2015,08.17.C.1	Total/NA	Solid	8330B	207310
160-13469-6	2015.08.17.C.1.6	Total/NA	Solid	8330B	207310
160-13469-7	2015.08.17.C.3	Total/NA	Solid	8330B	207310
160-13469-8	2015.08.17.C.5	Total/NA	Solid	8330B	207310
160-13469-9	2015.08.17.E.5	Total/NA	Solid	8330B	207310
160-13469-10	2015.08.17.E.3	Total/NA	Solid	8330B	207310
160-13469-11	2015.08.17.G.1	Total/NA	Solid	8330B	207310
160-13469-12	2015.08.17.E.1	Total/NA	Solid	8330B	207310
160-13469-13	2015.08.17.G.3	Total/NA	Solid	8330B	207310
160-13469-14	2015.08.17.G.5	Total/NA	Solid	8330B	207310
160-13469-15	2015.08.17.DUP #01	Total/NA	Solid	8330B	207310
160-13469-16	2015.08.17.H-4	Total/NA	Solid	8330B	207310
160-13469-16 MS	2015.08.17.H-4	Total/NA	Solid	8330B	207310
160-13469-16 MSD	2015.08.17.H-4	Total/NA	Solid	8330B	207310
160-13469-17	2015.08.17.15	Total/NA	Solid	8330B	207310
160-13469-18	2015.08.17.K3	Total/NA	Solid	8330B	207310
160-13469-19	2015.08.17.K5	Total/NA	Solid	8330B	207310
160-13469-20	2015.08.17.K1	Total/NA	Solid	8330B	207310
160-13469-21	2015.08.17.1-1	Total/NA	Solid	8330B	207311
160-13469-22	2015.08.17 DUP #02	Total/NA	Solid	8330B	207311
160-13469-23	2015 08 17 M1	Total/NA	Solid	8330B	207311
160-13469-23 MS	2015 08 17 M1	Total/NA	Solid	8330B	207311
160-13469-23 MSD	2015 08 17 M1	Total/NA	Solid	8330B	207311
160-13469-24	2015 08 18 N2	Total/NA	Solid	8330B	207311
160-13469-25	2015 08 18 M3	Total/NA	Solid	8330B	207311
160-13469-26	2015 08 18 L4	Total/NA	Solid	8330B	207311
160-13469-27	2015 08 18 M5	Total/NA	Solid	8330B	207311
160-13469-28	2015 08 17 FIELD BLANK	Total/NA	Water	8330B	206908
160-13469-29	2015 08 17 EQUIP BLANK	Total/NA	Water	8330B	206908
160-13469-30	2015 08 18 FIELD BLANK	Total/NA	Water	8330B	206908
160-13469-31	2015 08 18 EQUIP BLANK	Total/NA	Water	8330B	206908
160-13469-32	2015 08 18 P0.7	Total/NA	Solid	8330B	207311
160-13469-33	2015 08 18 Q0.4	Total/NA	Solid	8330B	207311
160-13469-34	2015 08 18 P0.2	Total/NA	Solid	8330B	207311
160-13469-35	2015 08 18 00.2	Total/NA	Solid	8330B	207311
160-13469-36	2015 08 18 DUP #03	Total/NA	Solid	8330B	207311
160-13469-37	2015 08 18 P0.4	Total/NA	Solid	8330B	207311
160-13469-37 MS	2015 08 18 P0.4	Total/NA	Solid	8330B	
160-13469-37 MSD	2015 08 18 P0.4	Total/NA	Solid	8330B	207311
160-13469-38	2015 08 18 H2	Total/NA			207311
160-13469-39	2015 08 18 B2.3	Total/NA	Solid	8330B	207311
160-13469-40	2015 08 18 E6.5	Total/NA	Solid	8330B	207311
60-13469-41	2015 08 18 E6.5	Total/NA	Solid	8330B	207311
60-13469-41 MS	2015 08 18 F7.5		Solid	8330B	207311
60-13469-41 MSD	2015 08 18 F7.5	Total/NA	Solid	8330B	207311
60-13469-41 MSD	2015 08 18 F7.5 2015 08 18 DUP #04	Total/NA	Solid	8330B	207311
.CS 160-206908/2-A	Lab Control Sample	Total/NA Total/NA	Solid Water	8330B 8330B	207311 206908

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

HPLC/IC (Continued)

Analysis Batch: 208116 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 160-207310/2-A	Lab Control Sample	Total/NA	Solid	8330B	207310
LCS 160-207311/2-A	Lab Control Sample	Total/NA	Solid	8330B	207311
LCSD 160-206908/3-A	Lab Control Sample Dup	Total/NA	Water	8330B	206908
MB 160-206908/1-A	Method Blank	Total/NA	Water	8330B	206908
MB 160-207310/1-A	Method Blank	Total/NA	Solid	8330B	207310
MB 160-207311/1-A	Method Blank	Total/NA	Solid	8330B	207311

Specialty Organics

Prep Batch: 83902

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-13469-35	2015 08 18 O0.2	Total/NA	Solid	HRMS-Sox	
160-13469-38	2015 08 18 H2	Total/NA	Solid	HRMS-Sox	
160-13469-39	2015 08 18 B2.3	Total/NA	Solid	HRMS-Sox	
160-13469-40	2015 08 18 E6.5	Total/NA	Solid	HRMS-Sox	
LCS 320-83902/2-A	Lab Control Sample	Total/NA	Solid	HRMS-Sox	
MB 320-83902/1-A	Method Blank	Total/NA	Solid	HRMS-Sox	

Analysis Batch: 84244

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-13469-35	2015 08 18 O0.2	Total/NA	Solid	1613B	83902
LCS 320-83902/2-A	3902/2-A Lab Control Sample To		Solid	1613B	83902
MB 320-83902/1-A	Method Blank	Total/NA	Solid	1613B	83902

Analysis Batch: 84248

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-13469-38	2015 08 18 H2	Total/NA	Solid	1613B	83902
160-13469-39	2015 08 18 B2.3	Total/NA	Solid	1613B	83902
160-13469-40	2015 08 18 E6.5	Total/NA	Solid	1613B	83902

Metals

Prep Batch: 209334

Client Sample ID	Prep Type	Matrix	Method	Prep Batch
2015 08 18 00.2	Total/NA	Solid	3050B	
2015 08 18 H2	Total/NA	Solid	3050B	
2015 08 18 B2.3	Total/NA	Solid	3050B	
2015 08 18 E6.5	Total/NA	Solid	3050B	
Lab Control Sample	Total/NA	Solid	3050B	
Method Blank	Total/NA	Solid	3050B	
	2015 08 18 O0.2 2015 08 18 H2 2015 08 18 B2.3 2015 08 18 E6.5 Lab Control Sample	2015 08 18 00.2 Total/NA 2015 08 18 H2 Total/NA 2015 08 18 B2.3 Total/NA 2015 08 18 E6.5 Total/NA Lab Control Sample Total/NA	2015 08 18 00.2 Total/NA Solid 2015 08 18 H2 Total/NA Solid 2015 08 18 B2.3 Total/NA Solid 2015 08 18 E6.5 Total/NA Solid Lab Control Sample Total/NA Solid	2015 08 18 00.2 Total/NA Solid 3050B 2015 08 18 H2 Total/NA Solid 3050B 2015 08 18 B2.3 Total/NA Solid 3050B 2015 08 18 E6.5 Total/NA Solid 3050B Lab Control Sample Total/NA Solid 3050B

Prep Batch: 209813

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-13469-35	2015 08 18 O0.2	Total/NA	Solid	7471B	
160-13469-38	2015 08 18 H2	Total/NA	Solid	7471B	
160-13469-39	2015 08 18 B2.3	Total/NA	Solid	7471B	
160-13469-40	2015 08 18 E6.5	Total/NA	Solid	7471B	
LCSSRM 160-209813/2-A	Lab Control Sample	Total/NA	Solid	7471B	
MB 160-209813/1-A	Method Blank	Total/NA	Solid	7471B	

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

Metals (Continued)

Analysis Batch: 209820

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-13469-35	2015 08 18 O0.2	Total/NA	Solid	6020A	209334
160-13469-38	2015 08 18 H2	Total/NA	Solid	6020A	209334
160-13469-39	2015 08 18 B2.3	Total/NA	Solid	6020A	209334
160-13469-40	2015 08 18 E6.5	Total/NA	Solid	6020A	209334
LCSSRM 160-209334/2-A	Lab Control Sample	Total/NA	Solid	6020A	209334
MB 160-209334/1-A	Method Blank	Total/NA	Solid	6020A	209334

Analysis Batch: 210007

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-13469-35	2015 08 18 00.2	Total/NA	Solid	7471B	209813
160-13469-38	2015 08 18 H2	Total/NA	Solid	7471B	209813
160-13469-39	2015 08 18 B2.3	Total/NA	Solid	7471B	209813
160-13469-40	2015 08 18 E6.5	Total/NA	Solid	7471B	209813
LCSSRM 160-209813/2-A	Lab Control Sample	Total/NA	Solid	7471B	209813
MB 160-209813/1-A	Method Blank	Total/NA	Solid	7471B	209813

General Chemistry

Pre Prep Batch: 84173

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-13469-35	2015 08 18 00.2	Total/NA	Solid	353.2 (NCell)	
160-13469-38	2015 08 18 H2	Total/NA	Solid	353.2 (NCell)	
160-13469-38 MS	2015 08 18 H2	Total/NA	Solid	353.2 (NCell)	
160-13469-38 MSD	2015 08 18 H2	Total/NA	Solid	353.2 (NCell)	
160-13469-39	2015 08 18 B2.3	Total/NA	Solid	353.2 (NCell)	
160-13469-40	2015 08 18 E6.5	Total/NA	Solid	353.2 (NCell)	
LCS 320-84173/2-B	Lab Control Sample	Total/NA	Solid	353.2 (NCell)	
MB 320-84173/1-B	Method Blank	Total/NA	Solid	353.2 (NCell)	

Prep Batch: 84252

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-13469-35	2015 08 18 O0.2	Total/NA	Solid	353 (NCell-Hyd)	84173
160-13469-38	2015 08 18 H2	Total/NA	Solid	353 (NCell-Hyd)	84173
160-13469-38 MS	2015 08 18 H2	Total/NA	Solid	353 (NCell-Hyd)	84173
160-13469-38 MSD	2015 08 18 H2	Total/NA	Solid	353 (NCell-Hyd)	84173
160-13469-39	2015 08 18 B2.3	Total/NA	Solid	353 (NCell-Hyd)	84173
160-13469-40	2015 08 18 E6.5	Total/NA	Solid	353 (NCell-Hyd)	84173
LCS 320-84173/2-B	Lab Control Sample	Total/NA	Solid	353 (NCell-Hyd)	84173
MB 320-84173/1-B	Method Blank	Total/NA	Solid	353 (NCell-Hyd)	84173

Analysis Batch: 84350

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-13469-35	2015 08 18 00.2	Total/NA	Solid	WS-WC-0050	84252
160-13469-38	2015 08 18 H2	Total/NA	Solid	WS-WC-0050	84252
160-13469-38 MS	2015 08 18 H2	Total/NA	Solid	WS-WC-0050	84252
160-13469-38 MSD	2015 08 18 H2	Total/NA	Solid	WS-WC-0050	84252
160-13469-39	2015 08 18 B2.3	Total/NA	Solid	WS-WC-0050	84252
160-13469-40	2015 08 18 E6.5	Total/NA	Solid	WS-WC-0050	84252
LCS 320-84173/2-B	Lab Control Sample	Total/NA	Solid	WS-WC-0050	84252
MB 320-84173/1-B	Method Blank	Total/NA	Solid	WS-WC-0050	84252

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

General Chemistry (Continued)

Analysis Batch: 207403

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-13469-1	2015.08.17.A.5	Total/NA	Solid	Moisture	
160-13469-1 DU	2015.08.17.A.5	Total/NA	Solid	Moisture	
160-13469-2	2015.08.17.A.3	Total/NA	Solid	Moisture	
160-13469-3	2015.08.17.A.1	Total/NA	Solid	Moisture	
160-13469-4	2015.08.17.A.1.6	Total/NA	Solid	Moisture	
160-13469-5	2015.08.17.C.1	Total/NA	Solid	Moisture	
160-13469-6	2015.08.17.C.1.6	Total/NA	Solid	Moisture	
160-13469-7	2015.08.17.C.3	Total/NA	Solid	Moisture	
60-13469-8	2015.08.17.C.5	Total/NA	Solid	Moisture	
60-13469-9	2015.08.17.E.5	Total/NA	Solid	Moisture	
60-13469-10	2015.08.17.E.3	Total/NA	Solid	Moisture	
60-13469-11	2015.08.17.G.1	Total/NA	Solid	Moisture	
160-13469-12	2015.08.17.E.1	Total/NA	Solid	Moisture	
60-13469-13	2015.08.17.G.3	Total/NA	Solid	Moisture	
60-13469-14	2015.08.17.G.5	Total/NA	Solid	Moisture	
60-13469-15	2015.08.17.DUP #01	Total/NA	Solid	Moisture	
160-13469-16	2015.08.17.H-4	Total/NA	Solid	Moisture	
60-13469-17	2015.08.17.15	Total/NA	Solid	Moisture	
60-13469-18	2015.08.17.K3	Total/NA	Solid	Moisture	
60-13469-19	2015.08.17.K5	Total/NA	Solid	Moisture	
60-13469-20	2015.08.17.K1	Total/NA	Solid	Moisture	
60-13469-21	2015.08.17.1-1	Total/NA	Solid	Moisture	
60-13469-21 DU	2015.08.17.1-1	Total/NA	Solid	Moisture	
60-13469-22	2015.08.17 DUP #02	Total/NA	Solid	Moisture	
60-13469-23	2015 08 17 M1	Total/NA	Solid	Moisture	
60-13469-24	2015 08 18 N2	Total/NA	Solid	Moisture	
60-13469-25	2015 08 18 M3	Total/NA	Solid	Moisture	
60-13469-26	2015 08 18 L4	Total/NA	Solid	Moisture	
60-13469-27	2015 08 18 M5	Total/NA	Solid	Moisture	
60-13469-32	2015 08 18 P0.7	Total/NA	Solid	Moisture	
60-13469-33	2015 08 18 Q0.4	Total/NA	Solid	Moisture	
60-13469-34	2015 08 18 P0.2	Total/NA	Solid	Moisture	
60-13469-35	2015 08 18 00.2	Total/NA	Solid	Moisture	
60-13469-36	2015 08 18 DUP #03	Total/NA	Solid	Moisture	
60-13469-37	2015 08 18 P0.4	Total/NA	Solid	Moisture	
60-13469-38	2015 08 18 H2	Total/NA	Solid	Moisture	
60-13469-39	2015 08 18 B2.3	Total/NA	Solid	Moisture	
160-13469-40	2015 08 18 E6.5	Total/NA	Solid	Moisture	
160-13469-41	2015 08 18 F7.5	Total/NA	Solid	Moisture	
160-13469-42	2015 08 18 DUP #04	Total/NA	Solid	Moisture	

Client: SEMS, Inc.

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

Method: 8260C - Volatile Organic Compounds by GC/MS Matrix: Solid

Matrix: Solid Prep Type: Total/NA

			Pe	ercent Surr	ogate Recovery (A	cceptance Limits)
		12DCE	BFB	DBFM	TOL	MC167771 A DOLLO 25
Lab Sample ID	Client Sample ID	(72-127)	(63-150)	(70-126)	(80-120)	
160-13469-1	2015.08.17.A.5	117	137	115	113	
160-13469-2	2015.08.17.A.3	121	129	111	116	
160-13469-3	2015.08.17.A.1	110	137 *	110	121 X	
160-13469-4	2015.08.17.A.1.6	120	129 *	114	114	
160-13469-5	2015.08.17.C.1	113	125 *	100	106	
160-13469-6	2015.08.17.C.1.6	117	133 *	109	113	
160-13469-7	2015.08.17.C.3	93	105	100	105	
160-13469-8	2015.08.17.C.5	115	119 *	102	105	
160-13469-9	2015.08.17.E.5	90	106	95	104	
160-13469-10	2015.08.17.E.3	114	133 *	111	115	
160-13469-11	2015.08.17.G.1	120	147 *	104	114	
160-13469-12	2015.08.17.E.1	113	128 *	111	113 *	
160-13469-13	2015.08.17.G.3	106	125 *	107	117	
160-13469-14	2015.08.17.G.5	111	130 *	117	113	
160-13469-15	2015.08.17.DUP #01	115	133 *	117	119	
160-13469-16	2015.08.17.H-4	137 X	189 X *	128 X	139 X	
160-13469-16 MS	2015.08.17.H-4	92	96	81	92	
160-13469-16 MSD	2015.08.17.H-4	109	136	102	118	
160-13469-17	2015.08.17.15	111	145 *	106	114	
160-13469-18	2015.08.17.K3	97	98	100	102	
160-13469-19	2015.08.17.K5	98	99	103	102	
160-13469-20	2015.08.17.K1	112	134 *	115	114 *	
160-13469-21	2015.08.17.I-1	96	110	100	108	
160-13469-22	2015.08.17 DUP #02	96	110	99	107	
160-13469-23	2015 08 17 M1	94	103	100	105	
160-13469-23 MS	2015 08 17 M1	93	107	100	107	
160-13469-23 MSD	2015 08 17 M1	95	113	103	109	
160-13469-24	2015 08 18 N2	87	97	95	100	
160-13469-25	2015 08 18 M3	92	101	98	105	
160-13469-26	2015 08 18 L4	97	126	101	109	
160-13469-27	2015 08 18 M5	97	112			
160-13469-32	2015 08 18 P0.7			99	105	
160-13469-32		92	98	97	101	
160-13469-34	2015 08 18 Q0.4	98	111	102	106	
	2015 08 18 P0.2	97	104	101	105	
160-13469-35	2015 08 18 00.2	95	102	101	106	
160-13469-36	2015 08 18 DUP #03	97	102	98	104	
160-13469-37	2015 08 18 P0.4	95	100	100	103	
160-13469-37 MS	2015 08 18 P0.4	93	106	100	106	
160-13469-37 MSD	2015 08 18 P0.4	93	107	103	107	
160-13469-38	2015 08 18 H2	96	97	96	98	
160-13469-39	2015 08 18 B2.3	100	99	100	100	
160-13469-40	2015 08 18 E6.5	99	117	98	109	
160-13469-41	2015 08 18 F7.5	96	97	94	100	
160-13469-41 MS	2015 08 18 F7.5	100	101	101	103	
160-13469-41 MSD	2015 08 18 F7.5	97	107	101	106	
160-13469-42	2015 08 18 DUP #04	99	96	100	99	
CS 160-207159/2-A	Lab Control Sample	106	117	99	115	
CS 160-208225/2-A	Lab Control Sample	89	109	101	111	
LCS 160-208436/2-A	Lab Control Sample	93	110	102	110	

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

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

Matrix: Solid Prep Type: Total/NA

			Pe	rcent Surre	ogate Reco
		12DCE	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(72-127)	(63-150)	(70-126)	(80-120)
LCS 160-208823/2-A	Lab Control Sample	111	117	91	102
LCSD 160-207159/3-A	Lab Control Sample Dup	106	115	93	109
LCSD 160-208225/3-A	Lab Control Sample Dup	87	107	100	108
CSD 160-208436/3-A	Lab Control Sample Dup	88	107	102	107
LCSD 160-208823/3-A	Lab Control Sample Dup	106	118	94	108
MB 160-207159/1-A	Method Blank	107	131	102	118
MB 160-208225/1-A	Method Blank	86	98	94	101
MB 160-208436/1-A	Method Blank	88	101	97	102
MB 160-208823/1-A	Method Blank	108	125	100	116
B 160-208225/1-A B 160-208436/1-A	Method Blank Method Blank	86 88	98 101	94 97	101 102

12DCE = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water Prep Type: Total/NA

		ALUE SE			ogate Recovery (Acceptance Limits
		12DCE	BFB	DBFM	TOL	
Sample ID	Client Sample ID	(78-127)	(75-123)	(80-120)	(80-120)	
-13469-28	2015 08 17 FIELD BLANK	85	97	93	102	
-13469-29	2015 08 17 EQUIP BLANK	83	95	94	102	
-13469-30	2015 08 18 FIELD BLANK	85	99	96	104	
-13469-31	2015 08 18 EQUIP BLANK	89	98	96	104	
-13469-43	2015 08 19 TRIP BLK 01	93	97	98	104	
-13469-44	2015 08 19 TRIP BLK 02	92	96	98	104	
-13469-45	2015 08 19 TRIP BLK 03	95	101	99	104	
-13469-46	2015 08 19 TRIP BLK 04	92	97	97	104	
-13469-47	2015 08 19 TRIP BLK 05	98	93	97	100	
-13469-48	2015 08 19 TRIP BLK 06	95	94	96	104	
1-13469-49 - RA	2015 08 19 TRIP BLK 07	87	97	97	103	
-13469-50	2015 08 19 TRIP BLK 08	91	96	96	104	
-13469-51	2015 08 19 TRIP BLK 09	92	96	99	102	
-13469-52	2015 08 19 TRIP BLK 10	98	98	97	101	
-13469-53	2015 08 19 TRIP BLK 11	95	95	97	102	
S 160-207384/4	Lab Control Sample	88	106	98	110	
S 160-208119/3	Lab Control Sample	85	104	98	107	
SD 160-207384/5	Lab Control Sample Dup	85	106	97	107	
SD 160-208119/4	Lab Control Sample Dup	86	105	99	105	
160-207384/7	Method Blank	89	101	98	104	
160-208119/6	Method Blank	88	99	97	101	

12DCE = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

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

			Pe	ercent Surr	ogate Reco	very (Accer	otance Limits)	
		FBP	2FP	NBZ	PHL	TPH	ТВР	
Lab Sample ID	Client Sample ID	(56-97)	(53-97)	(55-98)	(54-101)	(58-123)	(46-111)	
60-13469-1	2015.08.17.A.5	72	67	68	70	67	79	
60-13469-2	2015.08.17.A.3	77	72	72	75	71	79	
60-13469-3	2015.08.17.A.1	73	70	68	72	69	80	
60-13469-4	2015.08.17.A.1.6	76	69	70	72	69	84	
60-13469-5	2015.08.17.C.1	78	73	72	74	72	83	
60-13469-6	2015.08.17.C.1.6	73	66	68	69	67	75	
60-13469-7	2015.08.17.C.3	73	68	68	71	69	81	
60-13469-8	2015.08.17.C.5	79	73	74	75	72	85	
60-13469-9	2015.08.17.E.5	73	67	66	69	68	79	
60-13469-10	2015.08.17.E.3	70	66	66	69	67	79	
60-13469-11	2015.08.17.G.1	70	65	65	68	65	78	
60-13469-12	2015.08.17.E.1	69	63	64	66	64	76	
60-13469-13	2015.08.17.G.3	72	67	66	69	66	79	
60-13469-14	2015.08.17.G.5	69	64	64	66	64	74	
60-13469-15	2015.08.17.DUP #01	73	67	68	69	66	82	
60-13469-16	2015.08.17.H-4	72	67	67	69	66	80	
60-13469-16 MS	2015.08.17.H-4	67	65	64	64	64		
60-13469-16 MSD	2015.08.17.H-4	70	65	68			76	
60-13469-17	2015.08.17.15	80	73		64	66	77	
60-13469-18			77	73	76	71	90	
60-13469-19	2015.08.17.K3	83		77	79	76	94	
	2015.08.17.K5	88	79	80	83	79	98	
60-13469-20	2015.08.17.K1	88	79	79	83	80	102	
60-13469-21	2015.08.17.1-1	87	80	80	83	79	103	
60-13469-22	2015.08.17 DUP #02	84	77	77	80	76	101	
60-13469-23	2015 08 17 M1	78	71	71	73	70	88	
60-13469-23 MS	2015 08 17 M1	86	82	83	84	84	110	
60-13469-23 MSD	2015 08 17 M1	92	86	89	89	88	115 X	
60-13469-24	2015 08 18 N2	84	76	78	79	76	93	
60-13469-25	2015 08 18 M3	86	77	79	81	76	96	
60-13469-26	2015 08 18 L4	90	82	83	84	82	99	
60-13469-27	2015 08 18 M5	87	78	79	80	78	97	
60-13469-32	2015 08 18 P0.7	83	75	75	77	75	84	
60-13469-33	2015 08 18 Q0.4	80	72	72	73	73	94	
60-13469-34	2015 08 18 P0.2	84	76	77	78	76	90	
50-13469-35	2015 08 18 00.2	86	74	75	75	79	84	
60-13469-36	2015 08 18 DUP #03	89	76	80	78	80	85	
60-13469-37	2015 08 18 P0.4	82	74	74	75	74	88	
60-13469-37 MS	2015 08 18 P0.4	86	81	82	80	82	106	
60-13469-37 MSD	2015 08 18 P0.4	89	82	85	83	85	107	
60-13469-38	2015 08 18 H2	88	77	80	78	81	86	
50-13469-39	2015 08 18 B2.3	93	81	83	81	85	84	
50-13469-40	2015 08 18 E6.5	79	70	70	69	73	80	
50-13469-41	2015 08 18 F7.5	84	70	73	70	75	79	
60-13469-41 MS	2015 08 18 F7.5	87	74	79	74	81	95	
60-13469-41 MSD	2015 08 18 F7.5	92	80	85	77	85	96	
60-13469-42	2015 08 18 DUP #04	90	77	81	78	81	89	
CS 160-207953/2-A	Lab Control Sample	75	73	74	75	74	93	
CS 160-208641/2-A	Lab Control Sample	85	82	81	84	82	105	
CS 160-208680/2-A	Lab Control Sample	87	77	80	75	81	96	

Client: SEMS, Inc.

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

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

Matrix: Solid Prep Type: Total/NA

			Pe	rcent Surr	ogate Reco	very (Accep	otance Lin
Lab Sample ID	Client Sample ID	FBP (56-97)	2FP (53-97)	NBZ (55-98)	PHL (54-101)	TPH (58-123)	TBP (46-111)
MB 160-207953/1-A	Method Blank	76	71	74	76	72	77
MB 160-208641/1-A	Method Blank	92	83	86	87	85	97
MB 160-208680/1-A	Method Blank	90	80	83	82	82	85

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)

2FP = 2-Fluorophenol (Surr)

NBZ = Nitrobenzene-d5 (Surr)

PHL = Phenol-d5 (Surr)

TPH = Terphenyl-d14 (Surr)

TBP = 2,4,6-Tribromophenol (Surr)

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

Matrix: Water Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	TBP (37-120)	FBP (43-108)	2FP (15-59)	NBZ (50-101)	PHL (10-50)	TPH (21-97)		
160-13469-28	2015 08 17 FIELD BLANK	84	67	32	68	21	68		
160-13469-29	2015 08 17 EQUIP BLANK	81	63	31	66	21	68		
160-13469-30	2015 08 18 FIELD BLANK	79	64	28	64	19	65		
160-13469-31	2015 08 18 EQUIP BLANK	89	70	34	72	23	73		
LCS 160-206961/2-A	Lab Control Sample	93	67	46	72	36	74		
MB 160-206961/1-A	Method Blank	96	72	49	76	38	75		

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)

FBP = 2-Fluorobiphenyl (Surr)

2FP = 2-Fluorophenol (Surr)

NBZ = Nitrobenzene-d5 (Surr)

PHL = Phenol-d5 (Surr)

TPH = Terphenyl-d14 (Surr)

Method: 8015B - Gasoline Range Organics - (GC)

Matrix: Solid

			Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	TFT1 (44-147)	to company (to contain)
160-13469-40	2015 08 18 E6.5	110	
160-13469-40 MS	2015 08 18 E6.5	90	
160-13469-40 MSD	2015 08 18 E6.5	93	
LCS 160-208900/2-A	Lab Control Sample	96	
MB 160-208900/1-A	Method Blank	129	
Surrogate Legend			

TestAmerica St. Louis

Prep Type: Total/NA

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Matrix: Solid Prep Type: Total/NA

		ОТРН1	Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	(49-133)	
160-13469-40	2015 08 18 E6.5	101	
160-13469-40 MS	2015 08 18 E6.5	132	
160-13469-40 MSD	2015 08 18 E6.5	99	
LCS 160-206962/2-A	Lab Control Sample	93	
MB 160-206962/1-A	Method Blank	85	
Surrogate Legend			

Method: 8330B - Nitroaromatics and Nitramines (HPLC)

Matrix: Solid			177	F	rep Type	: Total/NA
			Percent Surrogate Recove	ry (Acceptance Li	mits)	
		12DNB1				
Lab Sample ID	Client Sample ID	(79-120)				
160-13469-1	2015.08.17.A.5	104				
160-13469-2	2015.08.17.A.3	108				
160-13469-3	2015.08.17.A.1	107				
160-13469-4	2015.08.17.A.1.6	96				
160-13469-5	2015.08.17.C.1	100				
160-13469-6	2015.08.17.C.1.6	98				
160-13469-7	2015.08.17.C.3	99				
160-13469-8	2015.08.17.C.5	104				
160-13469-9	2015.08.17.E.5	104				
160-13469-10	2015.08.17.E.3	106				
160-13469-11	2015.08.17.G.1	111				
160-13469-12	2015.08.17.E.1	102				
160-13469-13	2015.08.17.G.3	107				
160-13469-14	2015.08.17.G.5	106				
160-13469-15	2015.08.17.DUP #01	101				
160-13469-16	2015.08.17.H-4	101				
160-13469-16 MS	2015.08.17.H-4	101				
160-13469-16 MSD	2015.08.17.H-4	98				
160-13469-17	2015.08.17.15	107				
160-13469-18	2015.08.17.K3	112				
160-13469-19	2015.08.17.K5	118				
160-13469-20	2015.08.17.K1	97				
160-13469-21	2015.08.17.I-1	104				
160-13469-22	2015.08.17 DUP #02	97				
160-13469-23	2015 08 17 M1	100				
160-13469-23 MS	2015 08 17 M1	103				
160-13469-23 MSD	2015 08 17 M1	101				
160-13469-24	2015 08 18 N2	102				
160-13469-25	2015 08 18 M3	107				
160-13469-26	2015 08 18 L4	106				
160-13469-27	2015 08 18 M5	103				
160-13469-32	2015 08 18 P0.7	105				
160-13469-33	2015 08 18 Q0.4	107				
160-13469-34	2015 08 18 P0.2	98				

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

Method: 8330B - Nitroaromatics and Nitramines (HPLC) (Continued)

Matrix: Solid Prep Type: Total/NA

			Percent Surrogate Recovery (Acceptance Limits)
		12DNB1	
Lab Sample ID	Client Sample ID	(79-120)	
160-13469-35	2015 08 18 O0.2	105	
160-13469-36	2015 08 18 DUP #03	107	
160-13469-37	2015 08 18 P0.4	106	
160-13469-37 MS	2015 08 18 P0.4	98	
160-13469-37 MSD	2015 08 18 P0.4	102	
160-13469-38	2015 08 18 H2	107	
160-13469-39	2015 08 18 B2.3	105	
160-13469-40	2015 08 18 E6.5	108	
160-13469-41	2015 08 18 F7.5	102	
160-13469-41 MS	2015 08 18 F7.5	99	
160-13469-41 MSD	2015 08 18 F7.5	91	
160-13469-42	2015 08 18 DUP #04	103	
LCS 160-207310/2-A	Lab Control Sample	103	
LCS 160-207311/2-A	Lab Control Sample	96	

Surrogate Legend

MB 160-207310/1-A

MB 160-207311/1-A

12DNB = 1,2-Dinitrobenzene (Surr)

Method: 8330B - Nitroaromatics and Nitramines (HPLC)

Method Blank

Method Blank

Matrix: Water Prep Type: Total/NA

105

105

		12DNB1	Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	(81-113)	
160-13469-28	2015 08 17 FIELD BLANK	96	
160-13469-29	2015 08 17 EQUIP BLANK	98	
160-13469-30	2015 08 18 FIELD BLANK	96	
160-13469-31	2015 08 18 EQUIP BLANK	100	
LCS 160-206908/2-A	Lab Control Sample	97	
LCSD 160-206908/3-A	Lab Control Sample Dup	101	
MB 160-206908/1-A	Method Blank	102	
Surrogate Legend			

Method: 1613B - Dioxins and Furans (HRGC/HRMS)

Matrix: Solid Prep Type: Total/NA

			Percent Surrogate Recovery (Acceptance Limits
		37TCDD	
ab Sample ID	Client Sample ID	(35-197)	
60-13469-35	2015 08 18 O0.2	94	
60-13469-38	2015 08 18 H2	96	
60-13469-39	2015 08 18 B2.3	96	
60-13469-40	2015 08 18 E6.5	93	
.CS 320-83902/2-A	Lab Control Sample	95	
/B 320-83902/1-A	Method Blank	92	

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

Surrogate Legend

37TCDD = 37Cl4-2,3,7,8-TCDD

Isotope Dilution Summary

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-1

Prep Type: Total/NA

Method: 1613B - Dioxins and Furans (HRGC/HRMS)

Matrix: Solid

Lab Sample ID		Percent Isotope Dilution Recovery (Acceptance Limits)								
	Client Sample ID	TCDD (25-164)	TCDF (24-169)	PeCDD (25-181)	PeCDF1 (24-185)	PeCDF2 (21-178)	HxCDD1 (32-141)	HxCDD2 (28-130)	HxCDF1 (26-152)	
160-13469-35	2015 08 18 00.2	60	60	61	61	60	63	65	62	
160-13469-38	2015 08 18 H2	77	77	80	79	76	77	81	77	
160-13469-39	2015 08 18 B2.3	64	65	66	64	63	62	68	62	
160-13469-40	2015 08 18 E6.5	62	61	63	62	60	64	64	62	
MB 320-83902/1-A	Method Blank	72	73	76	74	72	76	77	73	

Lab Sample ID		Percent isotope bilution Recovery (Acceptance Limits)							
	Client Sample ID	HxCDF2 (26-123)	HxCDF3 (28-136)	HxCDF4 (29-147)	HpCDD (23-140)	HpCDF1 (28-143)	HpCDF2 (26-138)	OCDD (17-157)	
160-13469-35	2015 08 18 00.2	65	66	66	67	65	64	72	
160-13469-38	2015 08 18 H2	78	80	81	83	82	80	86	
160-13469-39	2015 08 18 B2.3	66	67	66	68	65	66	70	
160-13469-40	2015 08 18 E6.5	64	65	64	68	66	65	75	
MB 320-83902/1-A	Method Blank	77	79	76	79	76	74	78	

Surrogate Legend

TCDD = 13C-2,3,7,8-TCDD

TCDF = 13C-2,3,7,8-TCDF

PeCDD = 13C-1,2,3,7,8-PeCDD

PeCDF1 = 13C-1,2,3,7,8-PeCDF

PeCDF2 = 13C-2,3,4,7,8-PeCDF

HxCDD1 = 13C-1,2,3,4,7,8-HxCDD

HxCDD2 = 13C-1,2,3,6,7,8-HxCDD

HxCDF1 = 13C-1,2,3,4,7,8-HxCDF

HxCDF2 = 13C-1,2,3,6,7,8-HxCDF

HxCDF3 = 13C-2,3,4,6,7,8-HxCDF

HxCDF4 = 13C-1,2,3,7,8,9-HxCDF

HpCDD = 13C-1,2,3,4,6,7,8-HpCDD

HpCDF1 = 13C-1,2,3,4,6,7,8-HpCDF

HpCDF2 = 13C-1,2,3,4,7,8,9-HpCDF

OCDD = 13C-OCDD

Method: 1613B - Dioxins and Furans (HRGC/HRMS)

Matrix: Solid

Lab Sample ID		Percent Isotope Dilution Recovery (Acceptance Limits)								
	Client Sample ID	TCDD (20-175)	TCDF (22-152)	PeCDD (21-227)	PeCDF1 (21-192)	PeCDF2 (13-328)	HxCDD1 (21-193)	HxCDD2 (25-163)	HxCDF1 (19-202)	
LCS 320-83902/2-A	Lab Control Sample	79	78	81	79	76	81	79	77	
			Percent Isotope Dilution Recovery (Acceptance Limits)							
		HxCDF2	HxCDF3	HxCDF4	HpCDD	HpCDF1	HpCDF2	OCDD		
Lab Sample ID	Client Sample ID	(21-159)	(22-176)	(17-205)	(26-166)	(21-158)	(20-186)	(13-199)		
LCS 320-83902/2-A	Lab Control Sample	81	82	81	81	81	78	83		

Surrogate Legend

TCDD = 13C-2,3,7,8-TCDD

TCDF = 13C-2,3,7,8-TCDF

PeCDD = 13C-1,2,3,7,8-PeCDD

PeCDF1 = 13C-1,2,3,7,8-PeCDF

PeCDF2 = 13C-2,3,4,7,8-PeCDF

TestAmerica St. Louis

Prep Type: Total/NA

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10/12/2015

Isotope Dilution Summary

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

HxCDD1 = 13C-1,2,3,4,7,8-HxCDD

HxCDD2 = 13C-1,2,3,6,7,8-HxCDD

HxCDF1 = 13C-1,2,3,4,7,8-HxCDF

HxCDF2 = 13C-1,2,3,6,7,8-HxCDF

HxCDF3 = 13C-2,3,4,6,7,8-HxCDF

HxCDF4 = 13C-1,2,3,7,8,9-HxCDF

HpCDD = 13C-1,2,3,4,6,7,8-HpCDD

HpCDF1 = 13C-1,2,3,4,6,7,8-HpCDF

HpCDF2 = 13C-1,2,3,4,7,8,9-HpCDF

OCDD = 13C-OCDD

TestAmerica St. Louis

TestAmerica Job ID: 160-13469-1

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10/12/2015



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica St. Louis 13715 Rider Trail North Earth City, MO 63045

Tel: (314)298-8566

TestAmerica Job ID: 160-13469-2

Client Project/Site: Camp Minden Baseline Project

For:

SEMS, Inc. 11628 S. Choctaw Drive Baton Rouge, Louisiana 70815

Attn: Maghee Shaw

Authorized for release by: 9/29/2015 6:19:43 PM

Chenise Lambert-Sykes, Project Manager I (314)298-8566

chenise.lambert-sykes@testamericainc.com

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.

Client: SEMS, Inc Project/Site: Camp Minden Baseline Project TestAmerica Job ID: 160-13469-2

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Case Narrative

Client: SEMS, Inc.

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-2

Job ID: 160-13469-2

Laboratory: TestAmerica St. Louis

Narrative

CASE NARRATIVE

Client: SEMS, Inc

Project: Camp Minden Baseline Project

Report Number: 160-13469-2

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

TestAmerica St. Louis attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

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

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

All solid sample results for Chemistry analyses are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header. All soil/sediment sample results for radiochemistry analyses are based upon sample as dried and disaggregated with the exception of tritium, carbon-14, and iodine-129 by gamma spectroscopy unless requested as wet weight by the client."

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 08/20/2015; the samples arrived in good condition, properly preserved and on ice. The temperatures of the 9 coolers at receipt time were 0.1° C, 0.1° C, 0.3° C, 0.4° C, 0.5° C, 0.7° C, 0.7° C, 0.8° C and 1.0° C.

METALS (ICPMS)

Sample 2015 08 18 O0.2 (160-13469-35) was analyzed for metals (ICPMS) in accordance with EPA SW-846 Methods 6020A. The samples were prepared and analyzed on 09/25/2015.

Analytical Batch: 213217

Reported is a Reanalysis of Arsenic for sample 2015 08 18 O0.2 (160-13469-35). Please note that sample was a non-homogenous mixture of rock and clay, and could be the cause of the discrepant results. The reported value, while lower than the initial value, is still above the reporting limit.

The following samples were diluted due to the nature of the sample matrix. The samples were high in salts, which causes internal standard and QC failures when the samples are analyzed at a lesser dilution: 2015 08 18 O0.2 (160-13469-35), (160-13469-D-35-C MS), (160-13469-D-35-D MSD) and (160-13469-D-35-B SD). Elevated reporting limits (RLs) are provided.

Case Narrative

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-2

Job ID: 160-13469-2 (Continued)

Laboratory: TestAmerica St. Louis (Continued)

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

Chain of Custody Record

TestAmerica St. Louis

Client Information	Ridenhower, Rhonda E F-Mali: monda_ridenhower, Rhon	Requested Total Humpstrot containers	60-3118-1452.1 Page: Page 1 of
Phone: Phone Phone Phone Phone Phone Phone Port Port Port Port Port Port Project # Pr	The first of the f	Sielibinos to Jedmuki letot	Page 1 of 4 Sage 1 of 5 Sage 1
TAT Requested (days): TAT Requested (days): Polect # Project # 16004539 Sample	# Heldi Fillered Sample (Yes or No) # Heldi Fillered Sample (Yes or No) # \$ 8330B - Standard Target List X X X X X X X X X X	Plenisinos to Tedmukistor	Preservation Cod A - HCL B - NaOH C - Zn Acetale C - Zn Acetale D - Nitric Acid E - NathSoy4 E - NathSoy4 G - Amchlor H - Ascorbic Acid G - Amchlor H - Ascorbic Acid G - D - Water K - EDTA L - EDA Other:
Due Date Requested: TAT Requested: TAT Requested (days): TAT Requested (days): TAT Requested (days): TSO-0001 WO #: Time Sample Sample Sample Sample Sample Sample Time Sample Time Sample Time Sample Time Time Sample Time Sample Time Sample Time Sample Time Sample Time Sample Time Time Sample Time Sample Time	(in 20 Page 19		Preservation Cod A - HCL A - HCL C - Zn Acetate C - Zn Acetate C - Zn Acetate C - Anathor F - MeOH H - Ascorbic Acid I - Ice L - EDA C - EDTA L - EDA Other:
TAT Requested (days): PO# Project # 16004539 Sample Date Time Sample Date Time A A B 8/17/15 1020 A 1.6 8/17/15 1050 A 1.6 8/17/15 1050 C 1 6 8/17/15 1155	(M. 10 2eV.) 9 (qrine & bengili Hibia) (M. 10 2eV.) 10 (qrine & bengili Hibia) (M. 10 10 10 10 10 10 10 10 10 10 10 10 10		Special II
PO# 750-0001 WO# 16004539 Sow# 7 A.S 8/17/5 1020 7 A.I.	Signal Service (MoD) of Control Service (MoD)		F - MeOH G - Armehlor H - Ascorbitc Addi L - Ice L - EDA Other: Special Is
750-0001 WO# Project # 16004539 SSOW# 7 A.S Sample Date Time 7 A.S \$\langle \lambda \lamb	(OV.10.26Y) - Sigmed benefits bigs X X X X X X X X X		Special II
Project # 16004539 Sample Sample Sample Sample Sample Time Ti	10. 20 Y) algrands behalfier bela 10. 20 Y) algrands behalfier bela 10. 20 Y) algrands 10. 20 Y) algrands 10. 20 Y)		Special In
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Sample Sample Sample Sample Sample Time 7. A.S. 8/17/15/1022 7. A.I. 8/17/15/1030 7. A.I. 8/17/15/1030 7. C.I. 8/17/15/1130	### ### ### ### ### ### ### ### ### ##		
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7 A.S 8417/15/1020 17 A.S 8/17/15/1030 17 A.1 8/17/15/1030 7 C.1 8/17/15/11/15 7 C.1 8/17/15/11/15			
7 A.S 8/17/15/1020 (7 A.S 8/15/15/1030 (7 A.16 8/17/15/1050 67 7 C.1 8/17/15/11/15 (130 67 7 C.16 8/17/15/11/15 (7 C.16 8/17/15/11/1	XXX		160-13469
17. 4.3 8/15/15 1030 C 17. A. I 8/15/15 1040 C 17. A. I.b 8/17/5 1050 C 17. C. I 8/17/5 1130 C 17. C. S. 8/17/15 1130 C	X X X X		13469
17 A.16 8/17/15 1040 (17 A.16 8/17/15 1050 6 17 C.1 8/17/15 1115 (17 C.16 8/17/15 (17 C.16 8/17) (17 C.16 8/17/15 (17 C.16 8/17) (17 C.16 8/17/15 (17 C.16 8/17) (17 C.16 8/17) (17 C.16 8/17/15 (17 C.16 8/17) (17 C.16	X		9
17 A.16 8/17/5/1050 6 17, C.1 8/17/5/11050 6 17, C.16 8/17/5/11/5 6			Ch
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17, 63 8/1/5/130 6	Solid		stody
	Solid		
08 17 05 6/2/1200 6	Solid		
17 ES	Solid		
5/1/13	Solid		
	Solid XXX		ined longer than 1 month)
1		Disposal By Lab	Archive For Months
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Date/Tirde:	Company Received by:	Date/Time:	
Custody Seals Intact: Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:	ır Remarks:	

Earth City, MO 63045 Phone (314) 298-8566 Fax (314) 298-8757 TestAmerica St. Louis 13715 Rider Trail North

Chain of Custody Record

Slient Information	Sampler Cos 13 D	Lab PM. Ridenho	Lab PM: Carrier Ridenhower, Rhonda E	Carrier Tracking No(s): COC No: 160-3118-1452.2
lient Contact. As. Maghee Shaw	Phone:	E-Mail: rhonda.	E-Mail: rhonda.ridenhower@testamericainc.com	Page: Page 2 of A
ompany: SEMS, Inc.			Analysis Requested	
ddress: 1628 South Choctaw St.	Due Date Requested:			Preservation Code
ity: Saton Rouge	TAT Requested (days):	湖道縣		A-HCL M Hexane B-NaOH N None C-2n Aretine O-AshaOO
hate, Zip: A, 70815	I			D - Niric Acid P - Na204S E - NaHSO4 Q - Na2SO3
hone; 225-924-2002(Tel)	PO# 750-0001	(F-MeOH R-Na2S2S03
mailt nshaw@semsinc.net	WO#.	N 10	(oV tël 1 te	1- Ice J-DI Water
hoject Name: Samp Minden Baseline Project	Project #: 16004539	BOX) D	1212 10 1212 10 1215 10	K-EDTA L-EDA
Site:	SSOW#:	idules	Y) Q2 g1eT b gsesters	Catho
Sample Identification	Sample Date Time Gerarable	Sample Matrix 6 Type (Wewater, 2 C=Comp, Carabb) (C=Comp, Carabbo) (C=Comp)	M.SW. materials - Bosses 8 (GOM) - Joasse D (GOM) - Gotse	Constitutions (Note:
	X	ation Code	N N	
2015 08,17 El	0	Solid		
2015 08 17 63	(300)	Solid		
20.5.08 17.65		Solid		
2015,08,17, dupto1	8/17/15 6	Solid		
7-11/11/08:02	9 0051 21/4/8	Solid		collated ms/msD
17.	5/17/15/1600 6	Solid		
2015,08,17, K3	8/17/18/1670 6	Solid 6		
2015,08,17, KS	291	Solid		
7015,08.17, KI	9 54915/4/8	Solid		
1-\$ 21 80 5102) 1001/21/21/3	Solid C		
2015 08 17 dop#02) SYC11	Solid		W 1077
Possible Hazard Identification Non-Hazard Planmable Skin Initiant	Poison B Unknown Radiological	gical	Sample Disposal (A fee may be assess	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) Return To Client Disposal By Lab Months
Other (specify)			Special Instructions/QC Requirements:	
Empty Kit Relinquished by:	Date:		Time:	
Religioned by:	00ate/fine:	Sampar	Received by	Tulls nos
Reilinduished by	Date Time: 9/19/11/	O Company	Received by:	ofer ofer
Refinquished by:	Date/Ime:	Company	Received by:	Date/Time:
Custody Seals Intact Custody Seal No.:			Cooler Temperature(s) °C and Other Remarks:	

THE LEADER IN ENVIRONMENTAL TESTING **TestAmerica**

Chain of Custody Record

TestAmerica St. Louis

13715 Rider Trail North

Collected mysloo 0 - Ashaoz P - Na204S Q - Na204S Q - Na22SO3 S - H2S04 T - TSP Dodecahydrate V - MCAA W - ph 4-5 Z - other (specify) Special Instructions/Note: Company Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) reservation Codes: 160-3118-1452.3 Page: Page 3 of 5 H - Ascorbic Acid D - Nitric Acid E - NaHSO4 F - MeOH J - DI Water K - EDTA L - EDA Archive For Aethod of Shipment Disposal By Lab Analysis Requested Special Instructions/QC Requirements: Lab PW: Ridenhower, Rhonda E E-Mait: rhonda.ridenhower@testamericainc.com Retum To Client 义 × 火 X K X X Time: Company (W=water, S=solid, O=waste/oil, Matrix Solid Solid Solid Solid Solid 神神 Spelia Bilan Solid Solid Solid Solid Radiological (C=comp, G=grab) Sample Type 0 9 S 0 S O Q \mathcal{O} 50 100 FO / 109 30 8/18/15-0920 ダンバインで 8/18/18/0800 1230 3 CA 8/18/15/0815 9/18/, 10250 Sample \$/18/12 D840 8/17/5/1130 ると次 Time $\widetilde{\mathcal{N}}$ Date: Unknown \1**6**1/16 AT Requested (days): () N Due Date Requested: Sample Date (9/18 31/81/8 818/18 Project #: 16004539 SSOW#: 5 Po#. 750-0001 WO# Poison B Freid Blan Skin Irritant Deliverable Requested: I, II, III, IV, Other (specify) Pys. Pl 33 Z Cit la 25 Earth City, MO 63045 Phone (314) 298-8566 Fax (314) 298-8757 3 Flammable Ō Possible Hazard Identification 00 Σ Ω Camp Minden Baseline Project 7-80 0c _ VOK 5%18 00 00 Empty Kit Relinquished by: 11628 South Choctaw St. 0 0 ,0 22 Client Information Sample Identification O 93 α \mathcal{C} mshaw@semsinc.net 201202 න 2015 00 Non-Hazard Client Contact: Ms. Maghee Shaw 225-924-2002(Tel) 2014 5100 2515 Baton Rouge 5100 20 X 2515 State, Zip: LA, 70815 SEMS, Inc.

elinquished by:

Custody Seals Intact Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

Company

Chain of Custody Record

Earth City, MO 63045 Phone (314) 298-8566 Fax (314) 298-8757

TestAmerica St. Louis

13715 Rider Trail North

ustody Record

TestAmerica

12/20 Balles collecto N - None
O - Ash'aO2
P - Na2O4S
Q - Na2SO3
R - Na2SSO3
S - H2SO4
T - TSP Dodecahydrate
U - Acetine
V - MCAA Special Instructions/Note: Months Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client Disposal By Lab Archive For Month MS/MSD reservation Codes 160-3118-1452.4 H - Ascorbic Acid Page. A - HCL
B - NaOH
C - Zn Acetale
D - Nitric Acid
E - NaHSO4
F - MeOH
G - Amchlor 1-lce J-DI Water K-EDTA L-EDA 020 Archive For ethod of Shipment Analysis Requested Special Instructions/QC Requirements: rhonda.ridenhower@testamericainc.com X ドアナ X V Lab PM: Ridenhower, Rhonda E E-Mail: X 人 人 人 X Received by: Received by X X X X X いるが Matrix Solid Radiological (C=comp, G=grab) 1650 Sample 0 0 0 0 0 0 8/18/18/0240 0/2/5/18/8 8/18/18 1320 0(18/18/030 9/18/13/1300 1400 Sample MISIT 1395 Date: Unknown TAT Requested (days): Due Date Requested: 348118 3/18/18 ST/19/15 01-18 BANG Sample Date 1310 Project #: 16004539 SSOW#: Po#: 750-0001 Wo#: Poison B DUPAOS Skin Imitant 18/K 5 Deliverable Requested: I, II, III, IV, Other (specify) 82.3 5:00 200 20.9 Possible Hazard Identification 3130 5102 8130 5102 Project Name: Camp Minden Baseline Project 31 60 00/00 8180 - dc 00/00 8180 2015 08 18 Empty Kit Relinquished by: 6 1628 South Choctaw St. Sample Identification 8 Client Information 00 mshaw@semsinc.net 225-924-2002(Tel) Ms. Maghee Shaw Baton Rouge 2015 Since 2515 21019 2518 State, Zip: LA, 70815 2000 SEMS, Inc. 20 B

Page 8 of 17

Custody Seal No.:

Custody Seals Intact

A Yes A No

×

\$27040 in lade RecAP succe constituts + 24 diritations, 264 introduces discharge

Cooler Temperature(s) °C and Other Remarks:

teceived by:

THE LEADER IN ENVIRONMENTAL TESTING **TestAmerica**

Chain of Custody Record

TestAmerica St. Louis

13715 Rider Trail North

Earth City, MO 63045

0 - AshaO2
P - Na2O4S
Q - Na2S03
R - Na2S2S03
S - H2S04
T - TSP Dotecahydrate
U - Acetone
V - MGAA
W - ph 4-5
Z - other (spectify) Special Instructions/Note: Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client Disposal By Lab Archive For Monti
Special Instructions/QC Requirements: reservation Codes: 160-3119-1453.1 Page: 5 Page-4.pfN \$ C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid J - DI Water K - EDTA L - EDA Other: Total Number of containers Method of Shipment Analysis Requested E-Mail: rhonda.ridenhower@testamericainc.com X 人とスア Lab PM: Ridenhower, Rhonda E 义义 X 义 X Time: Matrix Solid Solid Solid Solid Solid Radiological Type (C=comp, Sample G=grab) 0 O J 1345 1300 ell 8 1/4 1320 Sample 000 Time Ð Date: Unknown (days) Due Date Requested: 5/18/18 8/8/15 Sample Date 2/18/13 #0 ON Project #: 16004539 SSOW#: PO#: 750-0001 Poison B ₩O₩ Skin Irritant 2,2 200 Possible Hazard Identification

Non-Hazard ☐ Flammable ☐ Skin Inti
Deliverable Requested: I, III, IV, Other (specify) 6,5 2 Phone (314) 298-8566 Fax (314) 298-8757 W ДÇ Project Name: Camp Minden Baseline Project 68 16 00/00 mpty Kit Relinquished by: 0 00 11628 South Choctaw St B Sample Identification Client Information nshaw@semsinc.net 25-924-2002(Tel) Ms. Maghee Shaw 2018 20K 2018 5000 Baton Rouge State, Zip: LA, 70815 Client Contact SEMS, Inc.

nguished by:

Custody Seals Intact Custody Seal No.:

A Yes A No

1700

12 8

Company Company

(670

0/19/5 Date/Tilme: (1/7

Cooler Temperature(s) °C and Other Remarks:

Login Sample Receipt Checklist

Client: SEMS, Inc

Job Number: 160-13469-2

SDG Number:

List Source: TestAmerica St. Louis

Login Number: 13469 List Number: 1

Creator: Clarke, Jill C

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

Definitions/Glossary

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

Toxicity Equivalent Factor (Dioxin)

Toxicity Equivalent Quotient (Dioxin)

TestAmerica Job ID: 160-13469-2

Glossary

TEF

TEQ

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points

Method Summary

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-2

 Method
 Method Description
 Protocol
 Laboratory

 6020A
 Metals (ICP/MS)
 SW846
 TAL SL

Protocol References:

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

Laboratory References:

TAL SL = TestAmerica St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

TestAmerica St. Louis

Sample Summary

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
160-13469-35	2015 08 18 00.2	Solid	08/18/15 10:10	08/20/15 09:15

Detection Summary

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-2

Client Sample ID: 2015 08 18 O0.2	Lab Sample ID: 160-13469-35
-----------------------------------	-----------------------------

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	3.2	T-00-0	2.6	0.66	mg/Kg	5	*	6020A	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-2

Client Sample ID: 2015 08 18 O0.2

Date Collected: 08/18/15 10:10 Date Received: 08/20/15 09:15 Lab Sample ID: 160-13469-35

Matrix: Solid

Percent Solids: 86.7

Method: 6020A - Metals (ICP/MS)

 Analyte
 Result Qualifier
 RL
 MDL Unit
 D
 Prepared
 Analyzed
 Dil Fac

 Arsenic
 3.2
 2.6
 0.66 mg/Kg
 ☼ 09/25/15 07:44
 09/25/15 15:26
 5

QC Sample Results

Client: SEMS, Inc.

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-2

Client Sample ID: Method Blank

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 160-212975/1-A

Matrix: Solid

Matrix: Solid

Arsenic

Analyte

Arsenic

Arsenic

Analysis Batch: 213217

Analysis Batch: 213217

MB MB

Analyte

Lab Sample ID: LCSSRM 160-212975/2-A

Result Qualifier ND

RL MDL Unit 0.95 0.25 mg/Kg

MS MS

Qualifier

Unit

Unit

mg/Kg

mg/Kg

D

举

D

%Rec

%Rec

102

105

Result

115

D Prepared

Analyzed 09/25/15 07:44 09/25/15 15:18

Dil Fac

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

Prep Type: Total/NA

Prep Batch: 212975

Prep Batch: 212975

Prep Type: Total/NA

Prep Batch: 212975

Spike LCSSRM LCSSRM %Rec. Added Result Qualifier Unit %Rec Limits 113 69.7 - 142. 117 mg/Kg 103.8

Spike

Added

106

Lab Sample ID: 160-13469-35 MS

Matrix: Solid

Analysis Batch: 213217

Sample Sample

Analyte Arsenic

Lab Sample ID: 160-13469-35 MSD Matrix: Solid

Analysis Batch: 213217

Sample Sample Analyte Result Qualifier

Result Qualifier

3.2

3.2

Spike MSD MSD Added Result Qualifier 108 113

Client Sample ID: 2015 08 18 O0.2

5

Client Sample ID: 2015 08 18 O0.2

%Rec.

Limits

75 - 125

Prep Type: Total/NA Prep Batch: 212975 %Rec. RPD

Limits RPD Limit 75 - 125 2 30

QC Association Summary

Client: SEMS, Inc

Project/Site: Camp Minden Baseline Project

TestAmerica Job ID: 160-13469-2

Metals

Prep Batch: 212975

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-13469-35	2015 08 18 O0.2	Total/NA	Solid	3050B	
160-13469-35 MS	2015 08 18 00.2	Total/NA	Solid	3050B	
160-13469-35 MSD	2015 08 18 00.2	Total/NA	Solid	3050B	
LCSSRM 160-212975/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 160-212975/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 213217

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-13469-35	2015 08 18 00,2	Total/NA	Solid	6020A	212975
160-13469-35 MS	2015 08 18 00.2	Total/NA	Solid	6020A	212975
160-13469-35 MSD	2015 08 18 00.2	Total/NA	Solid	6020A	212975
LCSSRM 160-212975/2-A	Lab Control Sample	Total/NA	Solid	6020A	212975
MB 160-212975/1-A	Method Blank	Total/NA	Solid	6020A	212975