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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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TestAmerica Job ID: 160-13469-1
Client Project/Site: Camp Minden Baseline Project
Revision: 1

For:
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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 and analyzed on 08/23/2015, 08/27/2015, 08/28/2015, 08/29/2015 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 re-analysis. 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 (160-13469-27), 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 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.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 Nitroaromatics and Nitramines (HPLC) in accordance with SW-846 Method 8330B. The samples were prepared on 08/24/2015 and analyzed on 08/29/2015 and 08/30/2015.

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[MS]), 2015.08.17.H-4 (160-13469-16 [MSD]), 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 17 M1 (160-13469-23[MS]), 2015 08 17 M1 (160-13469-23[MSD]), 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), (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 O0.2 (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),

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 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.

TestAmerica St. Louis
13715 Rider Trail North
Earth City, MO 63045
Phone (314) 298-8566 Fax (314) 298-8757

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: GB, BD	Lab PM: Ridenhower, Rhonda E	Carrier Tracking No(s):	COC No: 160-3118-1452.1
Client Contact: Ms. Maghee Shaw	Phone:	E-Mail: rhonda.ridenhower@testamericainc.com		Page: Page 1 of 4 5
Company: SEMS, Inc.				Job #:
Address: 11628 South Choctaw St.	Due Date Requested:			
City: Baton Rouge	TAT Requested (days):			
State, Zip: LA, 70815				
Phone: 225-924-2002(Tel)	PO #: 750-0001			
Email: mshaw@semsinc.net	WO #:			
Project Name: Camp Minden Baseline Project	Project #: 16004539			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8330B - Standard Target List	8260C - (MOD) Standard Target List	8270D - (MOD) OLM 4.2 Target List	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N		
2015,08,17. A.5	08/17/15	1020	G	Solid			X	X	X		
2015,08,17. A.3	8/17/15	1030	G	Solid			X	X	X		
2015,08,17. A.1	8/17/15	1040	G	Solid			X	X	X		
2015,08,17. A.1.6	8/17/15	1050	G	Solid			X	X	X		
2015,08,17, C.1	8/17/15	1100	G	Solid			X	X	X		
2015,08,17, C1.6	8/17/15	1115	G	Solid			X	X	X		
2015,08,17, C.3	8/17/15	1130	G	Solid			X	X	X		
2015,08,17. C5	8/17/15	1200	G	Solid			X	X	X		
2015,08,17. E5	8/17/15	1215	G	Solid			X	X	X		
2015,08,17. E3	8/17/15	1230	G	Solid			X	X	X		
2015,08,17.G.1	8/17/15	1240	G	Solid			X	X	X		

160-13469 Chain of Custody

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:		Method of Shipment:	
Relinquished by:	Date/Time: 8/19/15	Company: SEMS	Received by:	Date/Time: 8/19/15 1208	Company: TA
Relinquished by:	Date/Time: 8/19/15 1600	Company	Received by:	Date/Time: 8/20/15 0900	Company: TA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

TestAmerica St. Louis
13715 Rider Trail North
Earth City, MO 63045
Phone (314) 298-8566 Fax (314) 298-8757

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: GS, BD	Lab PM: Ridenhower, Rhonda E	Carrier Tracking No(s):	COC No: 160-3118-1452.2
Client Contact: Ms. Maghee Shaw	Phone:	E-Mail: rhonda.ridenhower@testamericainc.com		Page: Page 2 of 5
Company: SEMS, Inc.				Job #:
Address: 11628 South Choctaw St.	Due Date Requested:			
City: Baton Rouge	TAT Requested (days):			
State, Zip: LA, 70815				
Phone: 225-924-2002(Tel)	PO #: 750-0001			
Email: mshaw@semsinc.net	WO #:			
Project Name: Camp Minden Baseline Project	Project #: 16004539			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8330B - Standard Target List	8260C - (MOD) Standard Target List	8270D - (MOD) OLM 4.2 Target List	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N		
2015.08.17.E1	8/17/15	1250	G	Solid							
2015.08.17.G3	8/17/15	1300	G	Solid							
2015.08.17.G5	8/17/15	1450	G	Solid							
2015.08.17.dup#01	8/17/15		G	Solid							
2015.08.17.H-4	8/17/15	1500	G	Solid							collected ms/msd
2015.08.17.I5	8/17/15	1600	G	Solid							
2015.08.17.K3	8/17/15	1610	G	Solid							
2015.08.17.K5	8/17/15	1620	G	Solid							
2015.08.17.K1	8/17/15	1645	G	Solid							
2015 08 17 I-1	8/17/15	1700	G	Solid							
2015 08 17 dup#02	8/17/15		G	Solid							

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		8/19/15	SEMS		8/20/15 1100	TA
2		8/19/15 1650			8/20/15 0915	TA
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Page 15 of 250

10/12/2015

TestAmerica St. Louis
13715 Rider Trail North
Earth City, MO 63045
Phone (314) 298-8566 Fax (314) 298-8757

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: GS BD	Lab PM: Ridenhower, Rhonda E	Carrier Tracking No(s):	COC No: 160-3118-1452.3
Client Contact: Ms. Maghee Shaw	Phone:	E-Mail: rhonda.ridenhower@testamericainc.com		Page: Page 3 of 5
Company: SEMS, Inc.				Job #:
Address: 11628 South Choctaw St.	Due Date Requested:			
City: Baton Rouge	TAT Requested (days):			
State, Zip: LA, 70815				
Phone: 225-924-2002(Tel)	PO #: 750-0001			
Email: mshaw@semsinc.net	WO #:			
Project Name: Camp Minden Baseline Project	Project #: 16004539			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8330B - Standard Target List	8260C - (MOD) Standard Target List	8270D - (MOD) OLM 4.2 Target List	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N		
2015 08 17 M1	8/17/15	1715	G	Solid			X	X	X		collected MS/MSD
2015 08 18 N2	8/18/15	0800	G	Solid			X	X	X		
2015 08 18 M3	8/18/15	0815	G	Solid			X	X	X		
2015 08 18 L4	8/18/15	0840	G	Solid			X	X	X		
2015 08 18 M5	8/18/15	0850	G	Solid			X	X	X		
2015 08 17 Field Blank	8/17/15	1130	G	~~Solid~~			X	X	X		
201508 17 Equip Blank	8/17/15	1230	G	~~Solid~~			X	X	X		
2015 08 18 Field Blank	8/18/15	0745	G	~~Solid~~			X	X	X		
2015 08 18 Equip Blank	8/18/15	0900	G	~~Solid~~			X	X	X		
2015 08 18 P0.7	8/18/15	0900	G	Solid			X	X	X		
2015 08 18 Q 0.4	8/18/15	0920	G	Solid			X	X	X		

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	8/19/15	SEMS	[signature]	8/19/15 1700	TA
2	[signature]	8/19/15 1650		[signature]	8/20/15 0905	TA
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: △ Yes △ No

Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

TestAmerica St. Louis
13715 Rider Trail North
Earth City, MO 63045
Phone (314) 298-8566 Fax (314) 298-8757

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: GB, BD	Lab PM: Ridenhower, Rhonda E	Carrier Tracking No(s):	COC No: 160-3118-1452.4
Client Contact: Ms. Maghee Shaw	Phone:	E-Mail: rhonda.ridenhower@testamericainc.com		Page: Page 4 of 4 5
Company: SEMS, Inc.				Job #:
Address: 11628 South Choctaw St.	Due Date Requested:			
City: Baton Rouge	TAT Requested (days):			
State, Zip: LA, 70815				
Phone: 225-924-2002(Tel)	PO #: 750-0001			
Email: mshaw@semsinc.net	WO #:			
Project Name: Camp Minden Baseline Project	Project #: 16004539			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8330B - Standard Target List	8260C - (MOD) Standard Target List	8270D - (MOD) OLM 4.2 Target List *	Total Number of Containers	Special Instructions/Note:
			Preservation Code:				N	N	N		
2015 08 18 P0.2	8/18/15	0940	G	Solid			X	X	X		
2015 08 18 D0.2	8/18/15	1010	G				X	X	X		
2015 08 18 Dup#03	8/18/15		G				X	X	X		
2015 08 18 P0.4	8/18/15	1030	G				X	X	X		MS/MSD collected
2015 08 18 H2	8/18/15	1300	G				X	X	X		
2015 08 18 B2.3	8/18/15	1320	G				X	X	X		
2015 08 18 E6.5	8/18/15	1345	G				X	X	X		
2015 08 18 F 7.5	8/18/15	1400	G				X	X	X		MS/MSD collected
2015 08 18 Dup #04	8/18/15		G				X	X	X		
2015 08 19 Trip Blk 01-19	8/19/15		G						X		

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by:	Date/Time: 8/19/15	Company: SEMS	Received by:	Date/Time: 8/19/15	Company: TA
Relinquished by:	Date/Time: 8/19/15 1650	Company: TA	Received by:	Date/Time: 8/20/15 0900	Company: M
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

* 8270 to include RECAP suite constituents + 2-4 dinitrotoluene, 2,6 dinitrotoluene, dimethylphthalate, di phenylamine.

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10/12/2015

TestAmerica St. Louis
13715 Rider Trail North
Earth City, MO 63045
Phone (314) 298-8566 Fax (314) 298-8757

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: GB BD	Lab PM: Ridenhower, Rhonda E	Carrier Tracking No(s):	COC No: 160-3119-1453.1
Client Contact: Ms. Maghee Shaw	Phone:	E-Mail: rhonda.ridenhower@testamericainc.com		Page: 5 Page 5 of 5
Company: SEMS, Inc.				Job #:
Address: 11628 South Choctaw St.	Due Date Requested:			
City: Baton Rouge	TAT Requested (days):			
State, Zip: LA, 70815				
Phone: 225-924-2002(Tel)	PO #: 750-0001			
Email: mshaw@semsinc.net	WO #:			
Project Name: Camp Minden Baseline Project	Project #: 16004539			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1613B, 353.2_Nitrogen	6020A, 7471B	8015B_DRO - DRO	8015B_GRO - GRO	Dioxins/Furans 1613B	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N			
20150818 D 0,2	8/18/15	1010	G	Solid			X	X			X		
20150818 B 2,3	8/18/15	1320	G	Solid			X	X			X		
20150818 E 6,5	8/18/15	1345	G	Solid			X	X	X	X	X		
20150818 H 2	8/18/15	1300	G	Solid			X	X			X		
				Solid									

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements:

Deliverable Requested: I, II, III, IV, Other (specify)

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by:	Date/Time: 8/19/15	Company: SEMS	Received by:	Date/Time: 8/19/15 1700	Company: TA
Relinquished by:	Date/Time: 8/19/15 1650	Company: TA	Received by:	Date/Time: 8/20/15 0915	Company: TA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

10/12/2015

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.	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.	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?	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 <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Qualifiers

GC/MS VOA

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.
B	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.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits

HPLC/IC

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

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.
¤	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

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
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL SL
8015B	Gasoline Range Organics - (GC)	SW846	TAL SL
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL SL
8330B	Nitroaromatics and Nitramines (HPLC)	SW846	TAL SL
1613B	Dioxins and Furans (HRGC/HRMS)	40CFR136A	TAL SAC
6020A	Metals (ICP/MS)	SW846	TAL SL
7471B	Mercury (CVAA)	SW846	TAL SL
Moisture	Percent Moisture	EPA	TAL SL
WS-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 09:15
160-13469-2	2015.08.17.A.3	Solid	08/17/15 10:30	08/20/15 09:15
160-13469-3	2015.08.17.A.1	Solid	08/17/15 10:40	08/20/15 09:15
160-13469-4	2015.08.17.A.1.6	Solid	08/17/15 10:50	08/20/15 09:15
160-13469-5	2015.08.17.C.1	Solid	08/17/15 11:00	08/20/15 09:15
160-13469-6	2015.08.17.C.1.6	Solid	08/17/15 11:15	08/20/15 09:15
160-13469-7	2015.08.17.C.3	Solid	08/17/15 11:30	08/20/15 09:15
160-13469-8	2015.08.17.C.5	Solid	08/17/15 12:00	08/20/15 09:15
160-13469-9	2015.08.17.E.5	Solid	08/17/15 12:15	08/20/15 09:15
160-13469-10	2015.08.17.E.3	Solid	08/17/15 12:30	08/20/15 09:15
160-13469-11	2015.08.17.G.1	Solid	08/17/15 12:40	08/20/15 09:15
160-13469-12	2015.08.17.E.1	Solid	08/17/15 12:50	08/20/15 09:15
160-13469-13	2015.08.17.G.3	Solid	08/17/15 13:00	08/20/15 09:15
160-13469-14	2015.08.17.G.5	Solid	08/17/15 14:50	08/20/15 09:15
160-13469-15	2015.08.17.DUP #01	Solid	08/17/15 14:50	08/20/15 09:15
160-13469-16	2015.08.17.H-4	Solid	08/17/15 15:00	08/20/15 09:15
160-13469-17	2015.08.17.I5	Solid	08/17/15 16:00	08/20/15 09:15
160-13469-18	2015.08.17.K3	Solid	08/17/15 16:10	08/20/15 09:15
160-13469-19	2015.08.17.K5	Solid	08/17/15 16:20	08/20/15 09:15
160-13469-20	2015.08.17.K1	Solid	08/17/15 16:45	08/20/15 09:15
160-13469-21	2015.08.17.I-1	Solid	08/17/15 17:00	08/20/15 09:15
160-13469-22	2015.08.17 DUP #02	Solid	08/17/15 17:00	08/20/15 09:15
160-13469-23	2015 08 17 M1	Solid	08/17/15 17:15	08/20/15 09:15
160-13469-24	2015 08 18 N2	Solid	08/18/15 08:00	08/20/15 09:15
160-13469-25	2015 08 18 M3	Solid	08/18/15 08:15	08/20/15 09:15
160-13469-26	2015 08 18 L4	Solid	08/18/15 08:40	08/20/15 09:15
160-13469-27	2015 08 18 M5	Solid	08/18/15 08:50	08/20/15 09:15
160-13469-28	2015 08 17 FIELD BLANK	Water	08/17/15 11:30	08/20/15 09:15
160-13469-29	2015 08 17 EQUIP BLANK	Water	08/17/15 12:30	08/20/15 09:15
160-13469-30	2015 08 18 FIELD BLANK	Water	08/18/15 07:45	08/20/15 09:15
160-13469-31	2015 08 18 EQUIP BLANK	Water	08/18/15 08:00	08/20/15 09:15
160-13469-32	2015 08 18 P0.7	Solid	08/18/15 09:00	08/20/15 09:15
160-13469-33	2015 08 18 Q0.4	Solid	08/18/15 09:20	08/20/15 09:15
160-13469-34	2015 08 18 P0.2	Solid	08/18/15 09:40	08/20/15 09:15
160-13469-35	2015 08 18 O0.2	Solid	08/18/15 10:10	08/20/15 09:15
160-13469-36	2015 08 18 DUP #03	Solid	08/18/15 10:10	08/20/15 09:15
160-13469-37	2015 08 18 P0.4	Solid	08/18/15 10:30	08/20/15 09:15
160-13469-38	2015 08 18 H2	Solid	08/18/15 13:00	08/20/15 09:15
160-13469-39	2015 08 18 B2.3	Solid	08/18/15 13:20	08/20/15 09:15
160-13469-40	2015 08 18 E6.5	Solid	08/18/15 13:45	08/20/15 09:15
160-13469-41	2015 08 18 F7.5	Solid	08/18/15 14:00	08/20/15 09:15
160-13469-42	2015 08 18 DUP #04	Solid	08/18/15 14:00	08/20/15 09:15
160-13469-43	2015 08 19 TRIP BLK 01	Water	08/19/15 00:00	08/20/15 09:15
160-13469-44	2015 08 19 TRIP BLK 02	Water	08/19/15 00:00	08/20/15 09:15
160-13469-45	2015 08 19 TRIP BLK 03	Water	08/19/15 00:00	08/20/15 09:15
160-13469-46	2015 08 19 TRIP BLK 04	Water	08/19/15 00:00	08/20/15 09:15
160-13469-47	2015 08 19 TRIP BLK 05	Water	08/19/15 00:00	08/20/15 09:15
160-13469-48	2015 08 19 TRIP BLK 06	Water	08/19/15 00:00	08/20/15 09:15
160-13469-49	2015 08 19 TRIP BLK 07	Water	08/19/15 00:00	08/20/15 09:15
160-13469-50	2015 08 19 TRIP BLK 08	Water	08/19/15 00:00	08/20/15 09:15
160-13469-51	2015 08 19 TRIP BLK 09	Water	08/19/15 00:00	08/20/15 09:15
160-13469-52	2015 08 19 TRIP BLK 10	Water	08/19/15 00:00	08/20/15 09:15
160-13469-53	2015 08 19 TRIP BLK 11	Water	08/19/15 00:00	08/20/15 09:15

Detection Summary

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

TestAmerica Job ID: 160-13469-1

Client Sample ID: 2015.08.17.A.5 — Lab Sample ID: 160-13469-1

No Detections.

Client Sample ID: 2015.08.17.A.3 — Lab Sample ID: 160-13469-2

No Detections.

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

No Detections.

Client Sample ID: 2015.08.17.A.1.6 — Lab Sample 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: 2015.08.17.C.1 — Lab Sample 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: 2015.08.17.C.1.6 — Lab Sample ID: 160-13469-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	12	J	18	5.9	ug/Kg	1	☼	8260C	Total/NA
Ethylbenzene	0.54	J	4.6	0.27	ug/Kg	1	☼	8260C	Total/NA
Xylenes, Total	7.4	J	9.1	0.78	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: 2015.08.17.C.3 — Lab Sample ID: 160-13469-7

No Detections.

Client Sample ID: 2015.08.17.C.5 — Lab Sample ID: 160-13469-8

No Detections.

Client Sample ID: 2015.08.17.E.5 — Lab 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: 2015.08.17.E.3 — Lab Sample ID: 160-13469-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Xylenes, Total	0.86	J	9.6	0.82	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: 2015.08.17.G.1 — Lab Sample ID: 160-13469-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	10	J B	17	5.5	ug/Kg	1	☼	8260C	Total/NA
Xylenes, Total	2.2	J	8.6	0.73	ug/Kg	1	☼	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

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.

Client Sample ID: 2015.08.17.G.3 — Lab Sample ID: 160-13469-13

No Detections.

Client Sample ID: 2015.08.17.G.5 — Lab Sample ID: 160-13469-14

No Detections.

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

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 — Lab Sample ID: 160-13469-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Xylenes, Total	0.92	J F2	10	0.86	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: 2015.08.17.I5 — Lab Sample ID: 160-13469-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	27		18	5.9	ug/Kg	1	☼	8260C	Total/NA
Bis(2-ethylhexyl) phthalate	120	J B	380	52	ug/Kg	1	☼	8270D	Total/NA

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

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Xylenes, Total	1.6	J	9.1	0.78	ug/Kg	1	☼	8260C	Total/NA
Bis(2-ethylhexyl) phthalate	110	J B	370	50	ug/Kg	1	☼	8270D	Total/NA

Client Sample ID: 2015.08.17.K5 — Lab Sample ID: 160-13469-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	120	J B	370	50	ug/Kg	1	☼	8270D	Total/NA

Client Sample ID: 2015.08.17.K1 — Lab Sample ID: 160-13469-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	130	J B	410	56	ug/Kg	1	☼	8270D	Total/NA

Client Sample ID: 2015.08.17.I-1 — Lab Sample ID: 160-13469-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	3.5	J	19	1.9	ug/Kg	1	☼	8260C	Total/NA
Acetone	74		19	6.3	ug/Kg	1	☼	8260C	Total/NA
Bis(2-ethylhexyl) phthalate	130	J B	370	51	ug/Kg	1	☼	8270D	Total/NA

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

This Detection Summary does not include radiochemical test results.

Client Sample ID: 2015.08.17 DUP #02 (Continued) — Lab Sample ID: 160-13469-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	31		20	6.4	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: 2015 08 17 M1 — Lab Sample ID: 160-13469-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	7.4	J F1	19	6.2	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: 2015 08 18 N2 — Lab Sample ID: 160-13469-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	7.4	J	20	6.3	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: 2015 08 18 M3 — Lab Sample ID: 160-13469-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	0.33	J	5.1	0.31	ug/Kg	1	☼	8260C	Total/NA
Xylenes, Total	2.1	J	10	0.88	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: 2015 08 18 L4 — Lab Sample ID: 160-13469-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	24		18	1.7	ug/Kg	1	☼	8260C	Total/NA
Acetone	150		18	5.8	ug/Kg	1	☼	8260C	Total/NA
Benzene	0.69	J	4.5	0.22	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: 2015 08 18 M5 — Lab Sample ID: 160-13469-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	2.8	J	16	1.6	ug/Kg	1	☼	8260C	Total/NA
Acetone	45		16	5.3	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: 2015 08 17 FIELD BLANK — Lab Sample ID: 160-13469-28

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 Sample ID: 160-13469-29

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	1.0	J B	5.0	0.29	ug/L	1		8260C	Total/NA

Client Sample ID: 2015 08 18 FIELD BLANK — Lab Sample ID: 160-13469-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	0.57	J B	5.0	0.29	ug/L	1		8260C	Total/NA

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

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	0.90	J B	5.0	0.29	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client 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	☼	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

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	1	☼	1613B	Total/NA
2,3,7,8-TCDF	0.30	J	1.2	0.049	pg/g	1	☼	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	☼	1613B	Total/NA
1,2,3,6,7,8-HxCDD	2.0	J	5.8	0.074	pg/g	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	B	5.8	1.2	pg/g	1	☼	1613B	Total/NA
1,2,3,4,6,7,8-HpCDF	2.5	J B	5.8	0.076	pg/g	1	☼	1613B	Total/NA
OCDD	5600	E B	12	2.9	pg/g	1	☼	1613B	Total/NA
OCDF	9.4	J B	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	☼	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	0.44	mg/Kg	5	☼	6020A	Total/NA
Silver	0.21	J	0.56	0.067	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	☼	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 Sample ID: 2015 08 18 H2 (Continued) — 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	J q	5.5	0.037	pg/g	1	☼	1613B	Total/NA
1,2,3,4,7,8-HxCDF	0.072	J	5.5	0.029	pg/g	1	☼	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	☼	1613B	Total/NA
2,3,4,6,7,8-HxCDF	0.074	J q	5.5	0.026	pg/g	1	☼	1613B	Total/NA
1,2,3,4,6,7,8-HpCDD	3.2	J B	5.5	0.11	pg/g	1	☼	1613B	Total/NA
1,2,3,4,6,7,8-HpCDF	0.25	J B	5.5	0.044	pg/g	1	☼	1613B	Total/NA
OCDD	210	B	11	0.17	pg/g	1	☼	1613B	Total/NA
OCDF	0.57	J B	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	☼	6020A	Total/NA
Barium	30		5.3	0.25	mg/Kg	5	☼	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	1.3	0.41	mg/Kg	5	☼	6020A	Total/NA

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	J q	6.0	0.049	pg/g	1	☼	1613B	Total/NA
1,2,3,6,7,8-HxCDD	0.093	J q	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	B	6.0	0.29	pg/g	1	☼	1613B	Total/NA
OCDD	970	B	12	0.67	pg/g	1	☼	1613B	Total/NA
OCDF	0.27	J B	12	0.051	pg/g	1	☼	1613B	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	5.8		2.8	0.73	mg/Kg	5	☼	6020A	Total/NA
Barium	160		5.6	0.26	mg/Kg	5	☼	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	☼	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	J q	1.2	0.047	pg/g	1	☼	1613B	Total/NA
1,2,3,4,7,8-HxCDD	0.28	J q	5.8	0.061	pg/g	1	☼	1613B	Total/NA
1,2,3,6,7,8-HxCDD	0.37	J q	5.8	0.060	pg/g	1	☼	1613B	Total/NA
1,2,3,7,8,9-HxCDD	0.49	J q	5.8	0.052	pg/g	1	☼	1613B	Total/NA
1,2,3,4,7,8-HxCDF	0.080	J q	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	J q	5.8	0.032	pg/g	1	☼	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	B	5.8	1.3	pg/g	1	☼	1613B	Total/NA
1,2,3,4,6,7,8-HpCDF	0.46	J B	5.8	0.057	pg/g	1	☼	1613B	Total/NA
OCDD	7300	E B	12	4.0	pg/g	1	☼	1613B	Total/NA
OCDF	1.0	J B	12	0.062	pg/g	1	☼	1613B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 2015 08 18 E6.5 (Continued) — Lab Sample ID: 160-13469-40

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	100		19	6.0	ug/Kg	1	☼	8260C	Total/NA
Arsenic	6.0		2.9	0.75	mg/Kg	5	☼	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	☼	6020A	Total/NA
Chromium	19		2.9	1.3	mg/Kg	5	☼	6020A	Total/NA
Lead	19		0.87	0.29	mg/Kg	5	☼	6020A	Total/NA
Selenium	2.6		1.4	0.46	mg/Kg	5	☼	6020A	Total/NA
Mercury	0.053		0.039	0.013	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 Sample ID: 160-13469-41

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	23	F1 F2	23	7.4	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: 2015 08 18 DUP #04 — Lab Sample ID: 160-13469-42

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	23		21	6.8	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: 2015 08 19 TRIP BLK 01 — Lab Sample ID: 160-13469-43

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	11	J	20	6.7	ug/L	1		8260C	Total/NA
Trichloroethene	0.51	J B	5.0	0.29	ug/L	1		8260C	Total/NA

Client Sample ID: 2015 08 19 TRIP BLK 02 — Lab Sample ID: 160-13469-44

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	12	J	20	6.7	ug/L	1		8260C	Total/NA
Trichloroethene	0.71	J B	5.0	0.29	ug/L	1		8260C	Total/NA

Client Sample ID: 2015 08 19 TRIP BLK 03 — Lab Sample ID: 160-13469-45

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	16	J	20	6.7	ug/L	1		8260C	Total/NA
Trichloroethene	0.88	J B	5.0	0.29	ug/L	1		8260C	Total/NA

Client Sample ID: 2015 08 19 TRIP BLK 04 — Lab Sample ID: 160-13469-46

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	14	J	20	6.7	ug/L	1		8260C	Total/NA
Trichloroethene	0.84	J B	5.0	0.29	ug/L	1		8260C	Total/NA

Client Sample ID: 2015 08 19 TRIP BLK 05 — Lab Sample ID: 160-13469-47

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	9.8	J	20	6.7	ug/L	1		8260C	Total/NA

Client Sample ID: 2015 08 19 TRIP BLK 06 — Lab Sample ID: 160-13469-48

This Detection Summary does not include radiochemical test results.

Client Sample ID: 2015 08 19 TRIP BLK 06 (Continued) — Lab Sample ID: 160-13469-48

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: 2015 08 19 TRIP BLK 07 — Lab Sample ID: 160-13469-49

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: 2015 08 19 TRIP BLK 08 — Lab Sample ID: 160-13469-50

No Detections.

Client Sample ID: 2015 08 19 TRIP BLK 09 — Lab Sample ID: 160-13469-51

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: 2015 08 19 TRIP BLK 10 — Lab Sample ID: 160-13469-52

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: 2015 08 19 TRIP BLK 11 — Lab Sample ID: 160-13469-53

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	13	J	20	6.7	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

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 Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.3	0.37	ug/Kg	☼	08/23/15 03:00	08/23/15 06:40	1
1,1,1-Trichloroethane	ND		5.3	0.45	ug/Kg	☼	08/23/15 03:00	08/23/15 06:40	1
1,1,2,2-Tetrachloroethane	ND		5.3	0.42	ug/Kg	☼	08/23/15 03:00	08/23/15 06:40	1
1,1,2-Trichloroethane	ND		5.3	0.60	ug/Kg	☼	08/23/15 03:00	08/23/15 06:40	1
1,1-Dichloroethane	ND		5.3	0.41	ug/Kg	☼	08/23/15 03:00	08/23/15 06:40	1
1,1-Dichloroethene	ND		5.3	1.7	ug/Kg	☼	08/23/15 03:00	08/23/15 06:40	1
1,2-Dibromo-3-Chloropropane	ND		11	1.5	ug/Kg	☼	08/23/15 03:00	08/23/15 06:40	1
1,2-Dichloroethane	ND		5.3	0.92	ug/Kg	☼	08/23/15 03:00	08/23/15 06:40	1
1,2-Dichloropropane	ND		5.3	0.40	ug/Kg	☼	08/23/15 03:00	08/23/15 06:40	1
1,3-Dichloropropene, Total	ND		11	1.0	ug/Kg	☼	08/23/15 03:00	08/23/15 06:40	1
2-Butanone (MEK)	ND		21	2.0	ug/Kg	☼	08/23/15 03:00	08/23/15 06:40	1
4-Methyl-2-pentanone (MIBK)	ND		21	0.77	ug/Kg	☼	08/23/15 03:00	08/23/15 06:40	1
Acetone	ND		21	6.8	ug/Kg	☼	08/23/15 03:00	08/23/15 06:40	1
Benzene	ND		5.3	0.26	ug/Kg	☼	08/23/15 03:00	08/23/15 06:40	1
Bromodichloromethane	ND		5.3	0.26	ug/Kg	☼	08/23/15 03:00	08/23/15 06:40	1
Bromoform	ND		5.3	0.39	ug/Kg	☼	08/23/15 03:00	08/23/15 06:40	1
Bromomethane	ND		11	1.2	ug/Kg	☼	08/23/15 03:00	08/23/15 06:40	1
Carbon disulfide	ND		5.3	0.73	ug/Kg	☼	08/23/15 03:00	08/23/15 06:40	1
Carbon tetrachloride	ND		5.3	0.54	ug/Kg	☼	08/23/15 03:00	08/23/15 06:40	1
Chlorobenzene	ND		5.3	0.40	ug/Kg	☼	08/23/15 03:00	08/23/15 06:40	1
Chlorodibromomethane	ND		5.3	0.43	ug/Kg	☼	08/23/15 03:00	08/23/15 06:40	1
Chloroethane	ND		11	0.55	ug/Kg	☼	08/23/15 03:00	08/23/15 06:40	1
Chloroform	ND		5.3	0.40	ug/Kg	☼	08/23/15 03:00	08/23/15 06:40	1
Chloromethane	ND		11	0.69	ug/Kg	☼	08/23/15 03:00	08/23/15 06:40	1
cis-1,2-Dichloroethene	ND		5.3	0.63	ug/Kg	☼	08/23/15 03:00	08/23/15 06:40	1
Ethylbenzene	ND		5.3	0.32	ug/Kg	☼	08/23/15 03:00	08/23/15 06:40	1
Hexachlorobutadiene	ND		5.3	0.72	ug/Kg	☼	08/23/15 03:00	08/23/15 06:40	1
Isobutyl alcohol	ND		210	27	ug/Kg	☼	08/23/15 03:00	08/23/15 06:40	1
Methyl tert-butyl ether	ND		5.3	0.51	ug/Kg	☼	08/23/15 03:00	08/23/15 06:40	1
Methylene Chloride	ND		5.3	1.7	ug/Kg	☼	08/23/15 03:00	08/23/15 06:40	1
Styrene	ND		5.3	0.37	ug/Kg	☼	08/23/15 03:00	08/23/15 06:40	1
Tetrachloroethene	ND		5.3	0.34	ug/Kg	☼	08/23/15 03:00	08/23/15 06:40	1
Toluene	ND		5.3	0.74	ug/Kg	☼	08/23/15 03:00	08/23/15 06:40	1
trans-1,2-Dichloroethene	ND		5.3	0.99	ug/Kg	☼	08/23/15 03:00	08/23/15 06:40	1
Trichloroethene	ND		5.3	0.41	ug/Kg	☼	08/23/15 03:00	08/23/15 06:40	1
Trichlorofluoromethane	ND		5.3	0.53	ug/Kg	☼	08/23/15 03:00	08/23/15 06:40	1
Vinyl chloride	ND		5.3	0.45	ug/Kg	☼	08/23/15 03:00	08/23/15 06:40	1
Xylenes, Total	ND		11	0.90	ug/Kg	☼	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*	*1*
4-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 - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	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	45	ug/Kg	☼	08/26/15 12:51	08/28/15 19:11	1
1,2,4-Trichlorobenzene	ND		450	45	ug/Kg	☼	08/26/15 12:51	08/28/15 19:11	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: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		450	45	ug/Kg	☼	08/26/15 12:51	08/28/15 19:11	1
1,3-Dichlorobenzene	ND		450	45	ug/Kg	☼	08/26/15 12:51	08/28/15 19:11	1
1,3-Dinitrobenzene	ND		450	45	ug/Kg	☼	08/26/15 12:51	08/28/15 19:11	1
1,4-Dichlorobenzene	ND		450	45	ug/Kg	☼	08/26/15 12:51	08/28/15 19:11	1
2,3,4,6-Tetrachlorophenol	ND		2200	45	ug/Kg	☼	08/26/15 12:51	08/28/15 19:11	1
2,4,5-Trichlorophenol	ND		450	45	ug/Kg	☼	08/26/15 12:51	08/28/15 19:11	1
2,4,6-Trichlorophenol	ND		450	45	ug/Kg	☼	08/26/15 12:51	08/28/15 19:11	1
2,4-Dichlorophenol	ND		450	45	ug/Kg	☼	08/26/15 12:51	08/28/15 19:11	1
2,4-Dimethylphenol	ND		450	45	ug/Kg	☼	08/26/15 12:51	08/28/15 19:11	1
2,4-Dinitrophenol	ND	*	2200	450	ug/Kg	☼	08/26/15 12:51	08/28/15 19:11	1
2,4-Dinitrotoluene	ND		450	45	ug/Kg	☼	08/26/15 12:51	08/28/15 19:11	1
2,6-Dinitrotoluene	ND		450	45	ug/Kg	☼	08/26/15 12:51	08/28/15 19:11	1
2-Chloronaphthalene	ND		450	45	ug/Kg	☼	08/26/15 12:51	08/28/15 19:11	1
2-Chlorophenol	ND		450	45	ug/Kg	☼	08/26/15 12:51	08/28/15 19:11	1
2-Methylnaphthalene	ND		450	45	ug/Kg	☼	08/26/15 12:51	08/28/15 19:11	1
2-Nitroaniline	ND		450	45	ug/Kg	☼	08/26/15 12:51	08/28/15 19:11	1
3,3'-Dichlorobenzidine	ND		2200	450	ug/Kg	☼	08/26/15 12:51	08/28/15 19:11	1
3-Nitroaniline	ND		450	45	ug/Kg	☼	08/26/15 12:51	08/28/15 19:11	1
4-Nitroaniline	ND		2200	450	ug/Kg	☼	08/26/15 12:51	08/28/15 19:11	1
4-Nitrophenol	ND		2200	450	ug/Kg	☼	08/26/15 12:51	08/28/15 19:11	1
Acenaphthene	ND		450	45	ug/Kg	☼	08/26/15 12:51	08/28/15 19:11	1
Acenaphthylene	ND		450	45	ug/Kg	☼	08/26/15 12:51	08/28/15 19:11	1
Aniline	ND		450	81	ug/Kg	☼	08/26/15 12:51	08/28/15 19:11	1
Anthracene	ND		450	45	ug/Kg	☼	08/26/15 12:51	08/28/15 19:11	1
Benzo[a]anthracene	ND		450	45	ug/Kg	☼	08/26/15 12:51	08/28/15 19:11	1
Benzo[a]pyrene	ND		450	45	ug/Kg	☼	08/26/15 12:51	08/28/15 19:11	1
Benzo[b]fluoranthene	ND		450	45	ug/Kg	☼	08/26/15 12:51	08/28/15 19:11	1
Benzo[k]fluoranthene	ND		450	45	ug/Kg	☼	08/26/15 12:51	08/28/15 19:11	1
bis (2-chloroisopropyl) ether	ND		450	45	ug/Kg	☼	08/26/15 12:51	08/28/15 19:11	1
Bis(2-chloroethyl)ether	ND		450	45	ug/Kg	☼	08/26/15 12:51	08/28/15 19:11	1
Bis(2-ethylhexyl) phthalate	ND		450	62	ug/Kg	☼	08/26/15 12:51	08/28/15 19:11	1
Butyl benzyl phthalate	ND		450	45	ug/Kg	☼	08/26/15 12:51	08/28/15 19:11	1
Chrysene	ND		450	45	ug/Kg	☼	08/26/15 12:51	08/28/15 19:11	1
Dibenz(a,h)anthracene	ND		450	45	ug/Kg	☼	08/26/15 12:51	08/28/15 19:11	1
Dibenzofuran	ND		450	45	ug/Kg	☼	08/26/15 12:51	08/28/15 19:11	1
Diethyl phthalate	ND		450	45	ug/Kg	☼	08/26/15 12:51	08/28/15 19:11	1
Dimethyl phthalate	ND		450	45	ug/Kg	☼	08/26/15 12:51	08/28/15 19:11	1
Di-n-butyl phthalate	ND		450	45	ug/Kg	☼	08/26/15 12:51	08/28/15 19:11	1
Di-n-octyl phthalate	ND		450	45	ug/Kg	☼	08/26/15 12:51	08/28/15 19:11	1
Diphenylamine	ND	*	450	45	ug/Kg	☼	08/26/15 12:51	08/28/15 19:11	1
Fluoranthene	ND		450	45	ug/Kg	☼	08/26/15 12:51	08/28/15 19:11	1
Fluorene	ND		450	45	ug/Kg	☼	08/26/15 12:51	08/28/15 19:11	1
Hexachlorobenzene	ND		450	45	ug/Kg	☼	08/26/15 12:51	08/28/15 19:11	1
Hexachlorobutadiene	ND		450	45	ug/Kg	☼	08/26/15 12:51	08/28/15 19:11	1
Hexachlorocyclopentadiene	ND		2200	450	ug/Kg	☼	08/26/15 12:51	08/28/15 19:11	1
Hexachloroethane	ND		450	45	ug/Kg	☼	08/26/15 12:51	08/28/15 19:11	1
Indeno[1,2,3-cd]pyrene	ND		450	45	ug/Kg	☼	08/26/15 12:51	08/28/15 19:11	1
Isophorone	ND		450	45	ug/Kg	☼	08/26/15 12:51	08/28/15 19:11	1
Naphthalene	ND		450	45	ug/Kg	☼	08/26/15 12:51	08/28/15 19:11	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: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	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	☼	08/26/15 12:51	08/28/15 19:11	1
Phenol	ND		450	45	ug/Kg	☼	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

Surrogate	*%Recovery*	*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*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dinitrobenzene (Surr)	*104*		*79 - 120*	*08/24/15 08:38*	*08/29/15 08:49*	*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: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	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 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

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: 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		8.4	1.2	ug/Kg	☼	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	☼	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	☼	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	☼	08/23/15 03:00	08/23/15 07:05	1
Bromodichloromethane	ND		4.2	0.21	ug/Kg	☼	08/23/15 03:00	08/23/15 07:05	1
Bromoform	ND		4.2	0.31	ug/Kg	☼	08/23/15 03:00	08/23/15 07:05	1
Bromomethane	ND		8.4	0.92	ug/Kg	☼	08/23/15 03:00	08/23/15 07:05	1
Carbon disulfide	ND		4.2	0.58	ug/Kg	☼	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	☼	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	☼	08/23/15 03:00	08/23/15 07:05	1
Chloroform	ND		4.2	0.32	ug/Kg	☼	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	1
Methyl tert-butyl ether	ND		4.2	0.40	ug/Kg	☼	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	☼	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	1
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*		*72 - 127*	*08/23/15 03:00*	*08/23/15 07:05*	*1*
4-Bromofluorobenzene (Surr)	*129*		*63 - 150*	*08/23/15 03:00*	*08/23/15 07:05*	*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 - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		390	39	ug/Kg	☼	08/26/15 12:51	08/28/15 19:43	1
1,2,4,5-Tetrachlorobenzene	ND		390	39	ug/Kg	☼	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	☼	08/26/15 12:51	08/28/15 19:43	1
1,3-Dinitrobenzene	ND		390	39	ug/Kg	☼	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	☼	08/26/15 12:51	08/28/15 19:43	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 Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	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	1
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	1
2,4-Dinitrophenol	ND	*	1900	390	ug/Kg	☼	08/26/15 12:51	08/28/15 19:43	1
2,4-Dinitrotoluene	ND		390	39	ug/Kg	☼	08/26/15 12:51	08/28/15 19:43	1
2,6-Dinitrotoluene	ND		390	39	ug/Kg	☼	08/26/15 12:51	08/28/15 19:43	1
2-Chloronaphthalene	ND		390	39	ug/Kg	☼	08/26/15 12:51	08/28/15 19:43	1
2-Chlorophenol	ND		390	39	ug/Kg	☼	08/26/15 12:51	08/28/15 19:43	1
2-Methylnaphthalene	ND		390	39	ug/Kg	☼	08/26/15 12:51	08/28/15 19:43	1
2-Nitroaniline	ND		390	39	ug/Kg	☼	08/26/15 12:51	08/28/15 19:43	1
3,3'-Dichlorobenzidine	ND		1900	390	ug/Kg	☼	08/26/15 12:51	08/28/15 19:43	1
3-Nitroaniline	ND		390	39	ug/Kg	☼	08/26/15 12:51	08/28/15 19:43	1
4-Nitroaniline	ND		1900	390	ug/Kg	☼	08/26/15 12:51	08/28/15 19:43	1
4-Nitrophenol	ND		1900	390	ug/Kg	☼	08/26/15 12:51	08/28/15 19:43	1
Acenaphthene	ND		390	39	ug/Kg	☼	08/26/15 12:51	08/28/15 19:43	1
Acenaphthylene	ND		390	39	ug/Kg	☼	08/26/15 12:51	08/28/15 19:43	1
Aniline	ND		390	70	ug/Kg	☼	08/26/15 12:51	08/28/15 19:43	1
Anthracene	ND		390	39	ug/Kg	☼	08/26/15 12:51	08/28/15 19:43	1
Benzo[a]anthracene	ND		390	39	ug/Kg	☼	08/26/15 12:51	08/28/15 19:43	1
Benzo[a]pyrene	ND		390	39	ug/Kg	☼	08/26/15 12:51	08/28/15 19:43	1
Benzo[b]fluoranthene	ND		390	39	ug/Kg	☼	08/26/15 12:51	08/28/15 19:43	1
Benzo[k]fluoranthene	ND		390	39	ug/Kg	☼	08/26/15 12:51	08/28/15 19:43	1
bis (2-chloroisopropyl) ether	ND		390	39	ug/Kg	☼	08/26/15 12:51	08/28/15 19:43	1
Bis(2-chloroethyl)ether	ND		390	39	ug/Kg	☼	08/26/15 12:51	08/28/15 19:43	1
Bis(2-ethylhexyl) phthalate	ND		390	53	ug/Kg	☼	08/26/15 12:51	08/28/15 19:43	1
Butyl benzyl phthalate	ND		390	39	ug/Kg	☼	08/26/15 12:51	08/28/15 19:43	1
Chrysene	ND		390	39	ug/Kg	☼	08/26/15 12:51	08/28/15 19:43	1
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	1
Diethyl phthalate	ND		390	39	ug/Kg	☼	08/26/15 12:51	08/28/15 19:43	1
Dimethyl phthalate	ND		390	39	ug/Kg	☼	08/26/15 12:51	08/28/15 19:43	1
Di-n-butyl phthalate	ND		390	39	ug/Kg	☼	08/26/15 12:51	08/28/15 19:43	1
Di-n-octyl phthalate	ND		390	39	ug/Kg	☼	08/26/15 12:51	08/28/15 19:43	1
Diphenylamine	ND	*	390	39	ug/Kg	☼	08/26/15 12:51	08/28/15 19:43	1
Fluoranthene	ND		390	39	ug/Kg	☼	08/26/15 12:51	08/28/15 19:43	1
Fluorene	ND		390	39	ug/Kg	☼	08/26/15 12:51	08/28/15 19:43	1
Hexachlorobenzene	ND		390	39	ug/Kg	☼	08/26/15 12:51	08/28/15 19:43	1
Hexachlorobutadiene	ND		390	39	ug/Kg	☼	08/26/15 12:51	08/28/15 19:43	1
Hexachlorocyclopentadiene	ND		1900	390	ug/Kg	☼	08/26/15 12:51	08/28/15 19:43	1
Hexachloroethane	ND		390	39	ug/Kg	☼	08/26/15 12:51	08/28/15 19:43	1
Indeno[1,2,3-cd]pyrene	ND		390	39	ug/Kg	☼	08/26/15 12:51	08/28/15 19:43	1
Isophorone	ND		390	39	ug/Kg	☼	08/26/15 12:51	08/28/15 19:43	1
Naphthalene	ND		390	39	ug/Kg	☼	08/26/15 12:51	08/28/15 19:43	1
Nitrobenzene	ND		390	39	ug/Kg	☼	08/26/15 12:51	08/28/15 19:43	1
N-Nitrosodi-n-propylamine	ND		390	39	ug/Kg	☼	08/26/15 12:51	08/28/15 19:43	1
Pentachlorophenol	ND		780	390	ug/Kg	☼	08/26/15 12:51	08/28/15 19:43	1
Phenanthrene	ND		390	39	ug/Kg	☼	08/26/15 12:51	08/28/15 19:43	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 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 Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		390	39	ug/Kg	☼	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 - Nitroaromatics and Nitramines (HPLC)

Analyte	Result	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	1
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 - Volatile Organic Compounds by GC/MS

Analyte	Result	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 07:29	1
1,1,1-Trichloroethane	ND		4.2	0.36	ug/Kg	☼	08/23/15 03:00	08/23/15 07:29	1
1,1,2,2-Tetrachloroethane	ND	*	4.2	0.33	ug/Kg	☼	08/23/15 03:00	08/23/15 07:29	1
1,1,2-Trichloroethane	ND		4.2	0.47	ug/Kg	☼	08/23/15 03:00	08/23/15 07:29	1
1,1-Dichloroethane	ND		4.2	0.32	ug/Kg	☼	08/23/15 03:00	08/23/15 07:29	1
1,1-Dichloroethene	ND		4.2	1.3	ug/Kg	☼	08/23/15 03:00	08/23/15 07:29	1
1,2-Dibromo-3-Chloropropane	ND	*	8.3	1.2	ug/Kg	☼	08/23/15 03:00	08/23/15 07:29	1
1,2-Dichloroethane	ND		4.2	0.72	ug/Kg	☼	08/23/15 03:00	08/23/15 07:29	1
1,2-Dichloropropane	ND		4.2	0.32	ug/Kg	☼	08/23/15 03:00	08/23/15 07:29	1
1,3-Dichloropropene, Total	ND		8.3	0.79	ug/Kg	☼	08/23/15 03:00	08/23/15 07:29	1
2-Butanone (MEK)	ND		17	1.6	ug/Kg	☼	08/23/15 03:00	08/23/15 07:29	1
4-Methyl-2-pentanone (MIBK)	ND		17	0.61	ug/Kg	☼	08/23/15 03:00	08/23/15 07:29	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 - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		17	5.4	ug/Kg	☼	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	☼	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	1
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	☼	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	0.25	ug/Kg	☼	08/23/15 03:00	08/23/15 07:29	1
Hexachlorobutadiene	ND	*	4.2	0.56	ug/Kg	☼	08/23/15 03:00	08/23/15 07:29	1
Isobutyl alcohol	ND		170	21	ug/Kg	☼	08/23/15 03:00	08/23/15 07:29	1
Methyl tert-butyl ether	ND		4.2	0.40	ug/Kg	☼	08/23/15 03:00	08/23/15 07:29	1
Methylene Chloride	ND		4.2	1.3	ug/Kg	☼	08/23/15 03:00	08/23/15 07:29	1
Styrene	ND		4.2	0.29	ug/Kg	☼	08/23/15 03:00	08/23/15 07:29	1
Tetrachloroethene	ND		4.2	0.27	ug/Kg	☼	08/23/15 03:00	08/23/15 07:29	1
Toluene	ND		4.2	0.58	ug/Kg	☼	08/23/15 03:00	08/23/15 07:29	1
trans-1,2-Dichloroethene	ND		4.2	0.78	ug/Kg	☼	08/23/15 03:00	08/23/15 07:29	1
Trichloroethene	ND		4.2	0.32	ug/Kg	☼	08/23/15 03:00	08/23/15 07:29	1
Trichlorofluoromethane	ND		4.2	0.42	ug/Kg	☼	08/23/15 03:00	08/23/15 07:29	1
Vinyl chloride	ND		4.2	0.36	ug/Kg	☼	08/23/15 03:00	08/23/15 07:29	1
Xylenes, Total	ND		8.3	0.71	ug/Kg	☼	08/23/15 03:00	08/23/15 07:29	1

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 - Semivolatile Organic Compounds (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	☼	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	40	ug/Kg	☼	08/26/15 12:51	08/28/15 20:16	1
2,3,4,6-Tetrachlorophenol	ND		1900	40	ug/Kg	☼	08/26/15 12:51	08/28/15 20:16	1
2,4,5-Trichlorophenol	ND		400	40	ug/Kg	☼	08/26/15 12:51	08/28/15 20:16	1
2,4,6-Trichlorophenol	ND		400	40	ug/Kg	☼	08/26/15 12:51	08/28/15 20:16	1
2,4-Dichlorophenol	ND		400	40	ug/Kg	☼	08/26/15 12:51	08/28/15 20:16	1
2,4-Dimethylphenol	ND		400	40	ug/Kg	☼	08/26/15 12:51	08/28/15 20:16	1
2,4-Dinitrophenol	ND	*	1900	400	ug/Kg	☼	08/26/15 12:51	08/28/15 20:16	1
2,4-Dinitrotoluene	ND		400	40	ug/Kg	☼	08/26/15 12:51	08/28/15 20:16	1
2,6-Dinitrotoluene	ND		400	40	ug/Kg	☼	08/26/15 12:51	08/28/15 20:16	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 - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chloronaphthalene	ND		400	40	ug/Kg	☼	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	ug/Kg	☼	08/26/15 12:51	08/28/15 20:16	1
4-Nitroaniline	ND		1900	400	ug/Kg	☼	08/26/15 12:51	08/28/15 20:16	1
4-Nitrophenol	ND		1900	400	ug/Kg	☼	08/26/15 12:51	08/28/15 20:16	1
Acenaphthene	ND		400	40	ug/Kg	☼	08/26/15 12:51	08/28/15 20:16	1
Acenaphthylene	ND		400	40	ug/Kg	☼	08/26/15 12:51	08/28/15 20:16	1
Aniline	ND		400	72	ug/Kg	☼	08/26/15 12:51	08/28/15 20:16	1
Anthracene	ND		400	40	ug/Kg	☼	08/26/15 12:51	08/28/15 20:16	1
Benzo[a]anthracene	ND		400	40	ug/Kg	☼	08/26/15 12:51	08/28/15 20:16	1
Benzo[a]pyrene	ND		400	40	ug/Kg	☼	08/26/15 12:51	08/28/15 20:16	1
Benzo[b]fluoranthene	ND		400	40	ug/Kg	☼	08/26/15 12:51	08/28/15 20:16	1
Benzo[k]fluoranthene	ND		400	40	ug/Kg	☼	08/26/15 12:51	08/28/15 20:16	1
bis (2-chloroisopropyl) ether	ND		400	40	ug/Kg	☼	08/26/15 12:51	08/28/15 20:16	1
Bis(2-chloroethyl)ether	ND		400	40	ug/Kg	☼	08/26/15 12:51	08/28/15 20:16	1
Bis(2-ethylhexyl) phthalate	ND		400	54	ug/Kg	☼	08/26/15 12:51	08/28/15 20:16	1
Butyl benzyl phthalate	ND		400	40	ug/Kg	☼	08/26/15 12:51	08/28/15 20:16	1
Chrysene	ND		400	40	ug/Kg	☼	08/26/15 12:51	08/28/15 20:16	1
Dibenz(a,h)anthracene	ND		400	40	ug/Kg	☼	08/26/15 12:51	08/28/15 20:16	1
Dibenzofuran	ND		400	40	ug/Kg	☼	08/26/15 12:51	08/28/15 20:16	1
Diethyl phthalate	ND		400	40	ug/Kg	☼	08/26/15 12:51	08/28/15 20:16	1
Dimethyl phthalate	ND		400	40	ug/Kg	☼	08/26/15 12:51	08/28/15 20:16	1
Di-n-butyl phthalate	ND		400	40	ug/Kg	☼	08/26/15 12:51	08/28/15 20:16	1
Di-n-octyl phthalate	ND		400	40	ug/Kg	☼	08/26/15 12:51	08/28/15 20:16	1
Diphenylamine	ND	*	400	40	ug/Kg	☼	08/26/15 12:51	08/28/15 20:16	1
Fluoranthene	ND		400	40	ug/Kg	☼	08/26/15 12:51	08/28/15 20:16	1
Fluorene	ND		400	40	ug/Kg	☼	08/26/15 12:51	08/28/15 20:16	1
Hexachlorobenzene	ND		400	40	ug/Kg	☼	08/26/15 12:51	08/28/15 20:16	1
Hexachlorobutadiene	ND		400	40	ug/Kg	☼	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	☼	08/26/15 12:51	08/28/15 20:16	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	☼	08/26/15 12:51	08/28/15 20:16	1
N-Nitrosodi-n-propylamine	ND		400	40	ug/Kg	☼	08/26/15 12:51	08/28/15 20:16	1
Pentachlorophenol	ND		790	400	ug/Kg	☼	08/26/15 12:51	08/28/15 20:16	1
Phenanthrene	ND		400	40	ug/Kg	☼	08/26/15 12:51	08/28/15 20:16	1
Phenol	ND		400	40	ug/Kg	☼	08/26/15 12:51	08/28/15 20:16	1
Pyrene	ND		400	40	ug/Kg	☼	08/26/15 12:51	08/28/15 20:16	1
N-Nitrosodiphenylamine	ND		400	40	ug/Kg	☼	08/26/15 12:51	08/28/15 20:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*73*		*56 - 97*	*08/26/15 12:51*	*08/28/15 20:16*	*1*
2-Fluorophenol (Surr)	*70*		*53 - 97*	*08/26/15 12:51*	*08/28/15 20:16*	*1*
Nitrobenzene-d5 (Surr)	*68*		*55 - 98*	*08/26/15 12:51*	*08/28/15 20:16*	*1*
Phenol-d5 (Surr)	*72*		*54 - 101*	*08/26/15 12:51*	*08/28/15 20:16*	*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 - 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*

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 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
Matrix: Solid
Percent Solids: 78.8

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

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	☼	08/23/15 03:00	08/23/15 07:54	1
1,1-Dichloroethane	ND		4.6	0.36	ug/Kg	☼	08/23/15 03:00	08/23/15 07:54	1
1,1-Dichloroethene	ND		4.6	1.5	ug/Kg	☼	08/23/15 03:00	08/23/15 07:54	1
1,2-Dibromo-3-Chloropropane	ND	*	9.1	1.3	ug/Kg	☼	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	☼	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	☼	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 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
Matrix: Solid
Percent Solids: 78.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		4.6	0.35	ug/Kg	☼	08/23/15 03:00	08/23/15 07:54	1
Chlorodibromomethane	ND		4.6	0.38	ug/Kg	☼	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	☼	08/23/15 03:00	08/23/15 07:54	1
cis-1,2-Dichloroethene	ND		4.6	0.55	ug/Kg	☼	08/23/15 03:00	08/23/15 07:54	1
Ethylbenzene	ND		4.6	0.27	ug/Kg	☼	08/23/15 03:00	08/23/15 07:54	1
Hexachlorobutadiene	ND	*	4.6	0.62	ug/Kg	☼	08/23/15 03:00	08/23/15 07:54	1
Isobutyl alcohol	ND		180	23	ug/Kg	☼	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	☼	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	☼	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	ug/Kg	☼	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*
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*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/28/15 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	☼	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	☼	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	☼	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	☼	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	☼	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	☼	08/26/15 12:51	08/28/15 20:49	1
4-Nitroaniline	ND		2000	420	ug/Kg	☼	08/26/15 12:51	08/28/15 20:49	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
Matrix: Solid
Percent Solids: 78.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	ND		2000	420	ug/Kg	☼	08/26/15 12:51	08/28/15 20:49	1
Acenaphthene	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/28/15 20:49	1
Acenaphthylene	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/28/15 20:49	1
Aniline	ND		420	76	ug/Kg	☼	08/26/15 12:51	08/28/15 20:49	1
Anthracene	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/28/15 20:49	1
Benzo[a]anthracene	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/28/15 20:49	1
Benzo[a]pyrene	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/28/15 20:49	1
Benzo[b]fluoranthene	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/28/15 20:49	1
Benzo[k]fluoranthene	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/28/15 20:49	1
bis (2-chloroisopropyl) ether	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/28/15 20:49	1
Bis(2-chloroethyl)ether	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/28/15 20:49	1
Bis(2-ethylhexyl) phthalate	ND		420	57	ug/Kg	☼	08/26/15 12:51	08/28/15 20:49	1
Butyl benzyl phthalate	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/28/15 20:49	1
Chrysene	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/28/15 20:49	1
Dibenz(a,h)anthracene	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/28/15 20:49	1
Dibenzofuran	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/28/15 20:49	1
Diethyl phthalate	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/28/15 20:49	1
Dimethyl phthalate	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/28/15 20:49	1
Di-n-butyl phthalate	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/28/15 20:49	1
Di-n-octyl phthalate	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/28/15 20:49	1
Diphenylamine	ND	*	420	42	ug/Kg	☼	08/26/15 12:51	08/28/15 20:49	1
Fluoranthene	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/28/15 20:49	1
Fluorene	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/28/15 20:49	1
Hexachlorobenzene	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/28/15 20:49	1
Hexachlorobutadiene	ND		420	42	ug/Kg	☼	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	☼	08/26/15 12:51	08/28/15 20:49	1
Isophorone	ND		420	42	ug/Kg	☼	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	☼	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	☼	08/26/15 12:51	08/28/15 20:49	1
N-Nitrosodiphenylamine	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/28/15 20:49	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 - Nitroaromatics and Nitramines (HPLC)

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 10:21	1
1,3-Dinitrobenzene	ND		240	42	ug/Kg		08/24/15 08:38	08/29/15 10:21	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

Matrix: Solid
Percent Solids: 78.8

Method: 8330B - Nitroaromatics and Nitramines (HPLC) (Continued)

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

Lab Sample ID: 160-13469-5

Matrix: Solid
Percent Solids: 78.6

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

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 08:19	1
1,1,1-Trichloroethane	ND		4.5	0.38	ug/Kg	☼	08/23/15 03:00	08/23/15 08:19	1
1,1,2,2-Tetrachloroethane	ND	*	4.5	0.36	ug/Kg	☼	08/23/15 03:00	08/23/15 08:19	1
1,1,2-Trichloroethane	ND		4.5	0.51	ug/Kg	☼	08/23/15 03:00	08/23/15 08:19	1
1,1-Dichloroethane	ND		4.5	0.35	ug/Kg	☼	08/23/15 03:00	08/23/15 08:19	1
1,1-Dichloroethene	ND		4.5	1.4	ug/Kg	☼	08/23/15 03:00	08/23/15 08:19	1
1,2-Dibromo-3-Chloropropane	ND	*	8.9	1.3	ug/Kg	☼	08/23/15 03:00	08/23/15 08:19	1
1,2-Dichloroethane	ND		4.5	0.78	ug/Kg	☼	08/23/15 03:00	08/23/15 08:19	1
1,2-Dichloropropane	ND		4.5	0.34	ug/Kg	☼	08/23/15 03:00	08/23/15 08:19	1
1,3-Dichloropropene, Total	ND		8.9	0.85	ug/Kg	☼	08/23/15 03:00	08/23/15 08:19	1
2-Butanone (MEK)	ND		18	1.7	ug/Kg	☼	08/23/15 03:00	08/23/15 08:19	1
4-Methyl-2-pentanone (MIBK)	ND		18	0.65	ug/Kg	☼	08/23/15 03:00	08/23/15 08:19	1
Acetone	ND		18	5.8	ug/Kg	☼	08/23/15 03:00	08/23/15 08:19	1
Benzene	ND		4.5	0.22	ug/Kg	☼	08/23/15 03:00	08/23/15 08:19	1
Bromodichloromethane	ND		4.5	0.22	ug/Kg	☼	08/23/15 03:00	08/23/15 08:19	1
Bromoform	ND	*	4.5	0.33	ug/Kg	☼	08/23/15 03:00	08/23/15 08:19	1
Bromomethane	ND		8.9	0.98	ug/Kg	☼	08/23/15 03:00	08/23/15 08:19	1
Carbon disulfide	ND		4.5	0.62	ug/Kg	☼	08/23/15 03:00	08/23/15 08:19	1
Carbon tetrachloride	ND		4.5	0.46	ug/Kg	☼	08/23/15 03:00	08/23/15 08:19	1
Chlorobenzene	ND		4.5	0.34	ug/Kg	☼	08/23/15 03:00	08/23/15 08:19	1
Chlorodibromomethane	ND		4.5	0.37	ug/Kg	☼	08/23/15 03:00	08/23/15 08:19	1
Chloroethane	ND		8.9	0.47	ug/Kg	☼	08/23/15 03:00	08/23/15 08:19	1
Chloroform	ND		4.5	0.34	ug/Kg	☼	08/23/15 03:00	08/23/15 08:19	1
Chloromethane	ND		8.9	0.58	ug/Kg	☼	08/23/15 03:00	08/23/15 08:19	1
cis-1,2-Dichloroethene	ND		4.5	0.54	ug/Kg	☼	08/23/15 03:00	08/23/15 08:19	1
Ethylbenzene	ND		4.5	0.27	ug/Kg	☼	08/23/15 03:00	08/23/15 08:19	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: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	ND	*	4.5	0.61	ug/Kg	☼	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	☼	08/23/15 03:00	08/23/15 08:19	1
Methylene Chloride	ND		4.5	1.4	ug/Kg	☼	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	☼	08/23/15 03:00	08/23/15 08:19	1
Trichlorofluoromethane	ND		4.5	0.45	ug/Kg	☼	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*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/28/15 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	☼	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	☼	08/26/15 12:51	08/28/15 21:22	1
2,3,4,6-Tetrachlorophenol	ND		2000	42	ug/Kg	☼	08/26/15 12:51	08/28/15 21:22	1
2,4,5-Trichlorophenol	ND		420	42	ug/Kg	☼	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	☼	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	☼	08/26/15 12:51	08/28/15 21:22	1
Acenaphthene	ND		420	42	ug/Kg	☼	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
Benzo[a]pyrene	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/28/15 21:22	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 - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/28/15 21:22	1
Benzo[k]fluoranthene	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/28/15 21:22	1
bis (2-chloroisopropyl) ether	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/28/15 21:22	1
Bis(2-chloroethyl)ether	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/28/15 21:22	1
Bis(2-ethylhexyl) phthalate	ND		420	57	ug/Kg	☼	08/26/15 12:51	08/28/15 21:22	1
Butyl benzyl phthalate	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/28/15 21:22	1
Chrysene	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/28/15 21:22	1
Dibenz(a,h)anthracene	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/28/15 21:22	1
Dibenzofuran	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/28/15 21:22	1
Diethyl phthalate	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/28/15 21:22	1
Dimethyl phthalate	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/28/15 21:22	1
Di-n-butyl phthalate	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/28/15 21:22	1
Di-n-octyl phthalate	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/28/15 21:22	1
Diphenylamine	ND	*	420	42	ug/Kg	☼	08/26/15 12:51	08/28/15 21:22	1
Fluoranthene	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/28/15 21:22	1
Fluorene	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/28/15 21:22	1
Hexachlorobenzene	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/28/15 21:22	1
Hexachlorobutadiene	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/28/15 21:22	1
Hexachlorocyclopentadiene	ND		2000	420	ug/Kg	☼	08/26/15 12:51	08/28/15 21:22	1
Hexachloroethane	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/28/15 21:22	1
Indeno[1,2,3-cd]pyrene	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/28/15 21:22	1
Isophorone	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/28/15 21:22	1
Naphthalene	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/28/15 21:22	1
Nitrobenzene	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/28/15 21:22	1
N-Nitrosodi-n-propylamine	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/28/15 21:22	1
Pentachlorophenol	ND		830	420	ug/Kg	☼	08/26/15 12:51	08/28/15 21:22	1
Phenanthrene	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/28/15 21:22	1
Phenol	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/28/15 21:22	1
Pyrene	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/28/15 21:22	1
N-Nitrosodiphenylamine	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/28/15 21:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*78*		*56 - 97*	*08/26/15 12:51*	*08/28/15 21:22*	*1*
2-Fluorophenol (Surr)	*73*		*53 - 97*	*08/26/15 12:51*	*08/28/15 21:22*	*1*
Nitrobenzene-d5 (Surr)	*72*		*55 - 98*	*08/26/15 12:51*	*08/28/15 21:22*	*1*
Phenol-d5 (Surr)	*74*		*54 - 101*	*08/26/15 12:51*	*08/28/15 21:22*	*1*
Terphenyl-d14 (Surr)	*72*		*58 - 123*	*08/26/15 12:51*	*08/28/15 21:22*	*1*
2,4,6-Tribromophenol (Surr)	*83*		*46 - 111*	*08/26/15 12:51*	*08/28/15 21:22*	*1*

Method: 8330B - Nitroaromatics and Nitramines (HPLC)

Analyte	Result	Qualifier	RL	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 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: 8330B - Nitroaromatics and Nitramines (HPLC) (Continued)

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/MS

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	☼	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	☼	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	☼	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	☼	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	☼	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	☼	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	☼	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 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/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		4.6	0.86	ug/Kg	☼	08/23/15 03:00	08/23/15 08:44	1
Trichloroethene	ND		4.6	0.36	ug/Kg	☼	08/23/15 03:00	08/23/15 08:44	1
Trichlorofluoromethane	ND		4.6	0.46	ug/Kg	☼	08/23/15 03:00	08/23/15 08:44	1
Vinyl chloride	ND		4.6	0.39	ug/Kg	☼	08/23/15 03:00	08/23/15 08:44	1
Xylenes, Total	**7.4**	**J**	9.1	0.78	ug/Kg	☼	08/23/15 03:00	08/23/15 08:44	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 08:44*	*1*
4-Bromofluorobenzene (Surr)	*133*	*	*63 - 150*	*08/23/15 03:00*	*08/23/15 08:44*	*1*
Dibromofluoromethane (Surr)	*109*		*70 - 126*	*08/23/15 03:00*	*08/23/15 08:44*	*1*
Toluene-d8 (Surr)	*113*		*80 - 120*	*08/23/15 03:00*	*08/23/15 08:44*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		400	41	ug/Kg	☼	08/26/15 12:51	08/28/15 21:55	1
1,2,4,5-Tetrachlorobenzene	ND		400	41	ug/Kg	☼	08/26/15 12:51	08/28/15 21:55	1
1,2,4-Trichlorobenzene	ND		400	41	ug/Kg	☼	08/26/15 12:51	08/28/15 21:55	1
1,2-Dichlorobenzene	ND		400	41	ug/Kg	☼	08/26/15 12:51	08/28/15 21:55	1
1,3-Dichlorobenzene	ND		400	41	ug/Kg	☼	08/26/15 12:51	08/28/15 21:55	1
1,3-Dinitrobenzene	ND		400	41	ug/Kg	☼	08/26/15 12:51	08/28/15 21:55	1
1,4-Dichlorobenzene	ND		400	41	ug/Kg	☼	08/26/15 12:51	08/28/15 21:55	1
2,3,4,6-Tetrachlorophenol	ND		2000	41	ug/Kg	☼	08/26/15 12:51	08/28/15 21:55	1
2,4,5-Trichlorophenol	ND		400	41	ug/Kg	☼	08/26/15 12:51	08/28/15 21:55	1
2,4,6-Trichlorophenol	ND		400	41	ug/Kg	☼	08/26/15 12:51	08/28/15 21:55	1
2,4-Dichlorophenol	ND		400	41	ug/Kg	☼	08/26/15 12:51	08/28/15 21:55	1
2,4-Dimethylphenol	ND		400	41	ug/Kg	☼	08/26/15 12:51	08/28/15 21:55	1
2,4-Dinitrophenol	ND	*	2000	400	ug/Kg	☼	08/26/15 12:51	08/28/15 21:55	1
2,4-Dinitrotoluene	ND		400	41	ug/Kg	☼	08/26/15 12:51	08/28/15 21:55	1
2,6-Dinitrotoluene	ND		400	41	ug/Kg	☼	08/26/15 12:51	08/28/15 21:55	1
2-Chloronaphthalene	ND		400	41	ug/Kg	☼	08/26/15 12:51	08/28/15 21:55	1
2-Chlorophenol	ND		400	41	ug/Kg	☼	08/26/15 12:51	08/28/15 21:55	1
2-Methylnaphthalene	ND		400	41	ug/Kg	☼	08/26/15 12:51	08/28/15 21:55	1
2-Nitroaniline	ND		400	41	ug/Kg	☼	08/26/15 12:51	08/28/15 21:55	1
3,3'-Dichlorobenzidine	ND		2000	400	ug/Kg	☼	08/26/15 12:51	08/28/15 21:55	1
3-Nitroaniline	ND		400	41	ug/Kg	☼	08/26/15 12:51	08/28/15 21:55	1
4-Nitroaniline	ND		2000	400	ug/Kg	☼	08/26/15 12:51	08/28/15 21:55	1
4-Nitrophenol	ND		2000	400	ug/Kg	☼	08/26/15 12:51	08/28/15 21:55	1
Acenaphthene	ND		400	41	ug/Kg	☼	08/26/15 12:51	08/28/15 21:55	1
Acenaphthylene	ND		400	41	ug/Kg	☼	08/26/15 12:51	08/28/15 21:55	1
Aniline	ND		400	73	ug/Kg	☼	08/26/15 12:51	08/28/15 21:55	1
Anthracene	ND		400	41	ug/Kg	☼	08/26/15 12:51	08/28/15 21:55	1
Benzo[a]anthracene	ND		400	41	ug/Kg	☼	08/26/15 12:51	08/28/15 21:55	1
Benzo[a]pyrene	ND		400	41	ug/Kg	☼	08/26/15 12:51	08/28/15 21:55	1
Benzo[b]fluoranthene	ND		400	41	ug/Kg	☼	08/26/15 12:51	08/28/15 21:55	1
Benzo[k]fluoranthene	ND		400	41	ug/Kg	☼	08/26/15 12:51	08/28/15 21:55	1
bis (2-chloroisopropyl) ether	ND		400	41	ug/Kg	☼	08/26/15 12:51	08/28/15 21:55	1
Bis(2-chloroethyl)ether	ND		400	41	ug/Kg	☼	08/26/15 12:51	08/28/15 21:55	1
Bis(2-ethylhexyl) phthalate	ND		400	55	ug/Kg	☼	08/26/15 12:51	08/28/15 21:55	1
Butyl benzyl phthalate	ND		400	41	ug/Kg	☼	08/26/15 12:51	08/28/15 21:55	1
Chrysene	ND		400	41	ug/Kg	☼	08/26/15 12:51	08/28/15 21:55	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: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		400	41	ug/Kg	☼	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	☼	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	☼	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	☼	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	☼	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	☼	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	☼	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 - 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 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 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

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 Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		4.5	0.31	ug/Kg	☼	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	☼	08/27/15 15:48	08/27/15 19:28	1
1,1,2-Trichloroethane	ND		4.5	0.51	ug/Kg	☼	08/27/15 15:48	08/27/15 19:28	1
1,1-Dichloroethane	ND		4.5	0.35	ug/Kg	☼	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	☼	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	☼	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	☼	08/27/15 15:48	08/27/15 19:28	1
Benzene	ND		4.5	0.22	ug/Kg	☼	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	0.62	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	☼	08/27/15 15:48	08/27/15 19:28	1
Ethylbenzene	ND		4.5	0.27	ug/Kg	☼	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	☼	08/27/15 15:48	08/27/15 19:28	1
Methyl tert-butyl ether	ND		4.5	0.43	ug/Kg	☼	08/27/15 15:48	08/27/15 19:28	1
Methylene Chloride	ND		4.5	1.4	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	ug/Kg	☼	08/27/15 15:48	08/27/15 19:28	1
Toluene	ND		4.5	0.63	ug/Kg	☼	08/27/15 15:48	08/27/15 19:28	1
trans-1,2-Dichloroethene	ND		4.5	0.84	ug/Kg	☼	08/27/15 15:48	08/27/15 19:28	1
Trichloroethene	ND		4.5	0.35	ug/Kg	☼	08/27/15 15:48	08/27/15 19:28	1
Trichlorofluoromethane	ND		4.5	0.45	ug/Kg	☼	08/27/15 15:48	08/27/15 19:28	1
Vinyl chloride	ND		4.5	0.38	ug/Kg	☼	08/27/15 15:48	08/27/15 19:28	1
Xylenes, Total	ND		8.9	0.76	ug/Kg	☼	08/27/15 15:48	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

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
Matrix: Solid
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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		410	41	ug/Kg	☼	08/26/15 12:51	08/28/15 22:28	1
1,2,4,5-Tetrachlorobenzene	ND		410	41	ug/Kg	☼	08/26/15 12:51	08/28/15 22:28	1
1,2,4-Trichlorobenzene	ND		410	41	ug/Kg	☼	08/26/15 12:51	08/28/15 22:28	1
1,2-Dichlorobenzene	ND		410	41	ug/Kg	☼	08/26/15 12:51	08/28/15 22:28	1
1,3-Dichlorobenzene	ND		410	41	ug/Kg	☼	08/26/15 12:51	08/28/15 22:28	1
1,3-Dinitrobenzene	ND		410	41	ug/Kg	☼	08/26/15 12:51	08/28/15 22:28	1
1,4-Dichlorobenzene	ND		410	41	ug/Kg	☼	08/26/15 12:51	08/28/15 22:28	1
2,3,4,6-Tetrachlorophenol	ND		2000	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	1
2,4,6-Trichlorophenol	ND		410	41	ug/Kg	☼	08/26/15 12:51	08/28/15 22:28	1
2,4-Dichlorophenol	ND		410	41	ug/Kg	☼	08/26/15 12:51	08/28/15 22:28	1
2,4-Dimethylphenol	ND		410	41	ug/Kg	☼	08/26/15 12:51	08/28/15 22:28	1
2,4-Dinitrophenol	ND	*	2000	410	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	1
2,6-Dinitrotoluene	ND		410	41	ug/Kg	☼	08/26/15 12:51	08/28/15 22:28	1
2-Chloronaphthalene	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	1
2-Methylnaphthalene	ND		410	41	ug/Kg	☼	08/26/15 12:51	08/28/15 22:28	1
2-Nitroaniline	ND		410	41	ug/Kg	☼	08/26/15 12:51	08/28/15 22:28	1
3,3'-Dichlorobenzidine	ND		2000	410	ug/Kg	☼	08/26/15 12:51	08/28/15 22:28	1
3-Nitroaniline	ND		410	41	ug/Kg	☼	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	1
4-Nitrophenol	ND		2000	410	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	1
Acenaphthylene	ND		410	41	ug/Kg	☼	08/26/15 12:51	08/28/15 22:28	1
Aniline	ND		410	75	ug/Kg	☼	08/26/15 12:51	08/28/15 22:28	1
Anthracene	ND		410	41	ug/Kg	☼	08/26/15 12:51	08/28/15 22:28	1
Benzo[a]anthracene	ND		410	41	ug/Kg	☼	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	1
Benzo[b]fluoranthene	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	1
bis (2-chloroisopropyl) ether	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	1
Bis(2-ethylhexyl) phthalate	ND		410	56	ug/Kg	☼	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	1
Chrysene	ND		410	41	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	1
Dibenzofuran	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	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	☼	08/26/15 12:51	08/28/15 22:28	1
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	1
Fluoranthene	ND		410	41	ug/Kg	☼	08/26/15 12:51	08/28/15 22:28	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: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

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	☼	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	☼	08/26/15 12:51	08/28/15 22:28	1
Nitrobenzene	ND		410	41	ug/Kg	☼	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	☼	08/26/15 12:51	08/28/15 22:28	1
Phenanthrene	ND		410	41	ug/Kg	☼	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	☼	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*
Terphenyl-d14 (Surr)	*69*		*58 - 123*	*08/26/15 12:51*	*08/28/15 22:28*	*1*
2,4,6-Tribromophenol (Surr)	*81*		*46 - 111*	*08/26/15 12:51*	*08/28/15 22:28*	*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 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 Sample ID: 2015.08.17.C.5
Date Collected: 08/17/15 12:00
Date Received: 08/20/15 09:15

Lab Sample ID: 160-13469-8
Matrix: Solid
Percent Solids: 81.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		4.2	0.30	ug/Kg	☼	08/23/15 03:00	08/23/15 09:09	1
1,1,1-Trichloroethane	ND		4.2	0.36	ug/Kg	☼	08/23/15 03:00	08/23/15 09:09	1
1,1,2,2-Tetrachloroethane	ND	*	4.2	0.34	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	☼	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	☼	08/23/15 03:00	08/23/15 09:09	1
1,2-Dichloropropane	ND		4.2	0.32	ug/Kg	☼	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	☼	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	0.93	ug/Kg	☼	08/23/15 03:00	08/23/15 09:09	1
Carbon disulfide	ND		4.2	0.59	ug/Kg	☼	08/23/15 03:00	08/23/15 09:09	1
Carbon tetrachloride	ND		4.2	0.43	ug/Kg	☼	08/23/15 03:00	08/23/15 09:09	1
Chlorobenzene	ND		4.2	0.32	ug/Kg	☼	08/23/15 03:00	08/23/15 09:09	1
Chlorodibromomethane	ND		4.2	0.35	ug/Kg	☼	08/23/15 03:00	08/23/15 09:09	1
Chloroethane	ND		8.5	0.44	ug/Kg	☼	08/23/15 03:00	08/23/15 09:09	1
Chloroform	ND		4.2	0.32	ug/Kg	☼	08/23/15 03:00	08/23/15 09:09	1
Chloromethane	ND		8.5	0.55	ug/Kg	☼	08/23/15 03:00	08/23/15 09:09	1
cis-1,2-Dichloroethene	ND		4.2	0.51	ug/Kg	☼	08/23/15 03:00	08/23/15 09:09	1
Ethylbenzene	ND		4.2	0.25	ug/Kg	☼	08/23/15 03:00	08/23/15 09:09	1
Hexachlorobutadiene	ND	*	4.2	0.58	ug/Kg	☼	08/23/15 03:00	08/23/15 09:09	1
Isobutyl alcohol	ND		170	22	ug/Kg	☼	08/23/15 03:00	08/23/15 09:09	1
Methyl tert-butyl ether	ND		4.2	0.41	ug/Kg	☼	08/23/15 03:00	08/23/15 09:09	1
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	☼	08/23/15 03:00	08/23/15 09:09	1
Tetrachloroethene	ND		4.2	0.27	ug/Kg	☼	08/23/15 03:00	08/23/15 09:09	1
Toluene	ND		4.2	0.59	ug/Kg	☼	08/23/15 03:00	08/23/15 09:09	1
trans-1,2-Dichloroethene	ND		4.2	0.80	ug/Kg	☼	08/23/15 03:00	08/23/15 09:09	1
Trichloroethene	ND		4.2	0.33	ug/Kg	☼	08/23/15 03:00	08/23/15 09:09	1
Trichlorofluoromethane	ND		4.2	0.42	ug/Kg	☼	08/23/15 03:00	08/23/15 09:09	1
Vinyl chloride	ND		4.2	0.36	ug/Kg	☼	08/23/15 03:00	08/23/15 09:09	1
Xylenes, Total	ND		8.5	0.72	ug/Kg	☼	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*

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

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

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

Lab Sample ID: 160-13469-8
Matrix: Solid
Percent Solids: 81.2

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

Analyte	Result	Qualifier	RL	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	☼	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	☼	08/26/15 12:51	08/28/15 23:00	1
2,4,5-Trichlorophenol	ND		400	41	ug/Kg	☼	08/26/15 12:51	08/28/15 23:00	1
2,4,6-Trichlorophenol	ND		400	41	ug/Kg	☼	08/26/15 12:51	08/28/15 23:00	1
2,4-Dichlorophenol	ND		400	41	ug/Kg	☼	08/26/15 12:51	08/28/15 23:00	1
2,4-Dimethylphenol	ND		400	41	ug/Kg	☼	08/26/15 12:51	08/28/15 23:00	1
2,4-Dinitrophenol	ND	*	2000	400	ug/Kg	☼	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	☼	08/26/15 12:51	08/28/15 23:00	1
2-Chloronaphthalene	ND		400	41	ug/Kg	☼	08/26/15 12:51	08/28/15 23:00	1
2-Chlorophenol	ND		400	41	ug/Kg	☼	08/26/15 12:51	08/28/15 23:00	1
2-Methylnaphthalene	ND		400	41	ug/Kg	☼	08/26/15 12:51	08/28/15 23:00	1
2-Nitroaniline	ND		400	41	ug/Kg	☼	08/26/15 12:51	08/28/15 23:00	1
3,3'-Dichlorobenzidine	ND		2000	400	ug/Kg	☼	08/26/15 12:51	08/28/15 23:00	1
3-Nitroaniline	ND		400	41	ug/Kg	☼	08/26/15 12:51	08/28/15 23:00	1
4-Nitroaniline	ND		2000	400	ug/Kg	☼	08/26/15 12:51	08/28/15 23:00	1
4-Nitrophenol	ND		2000	400	ug/Kg	☼	08/26/15 12:51	08/28/15 23:00	1
Acenaphthene	ND		400	41	ug/Kg	☼	08/26/15 12:51	08/28/15 23:00	1
Acenaphthylene	ND		400	41	ug/Kg	☼	08/26/15 12:51	08/28/15 23:00	1
Aniline	ND		400	73	ug/Kg	☼	08/26/15 12:51	08/28/15 23:00	1
Anthracene	ND		400	41	ug/Kg	☼	08/26/15 12:51	08/28/15 23:00	1
Benzo[a]anthracene	ND		400	41	ug/Kg	☼	08/26/15 12:51	08/28/15 23:00	1
Benzo[a]pyrene	ND		400	41	ug/Kg	☼	08/26/15 12:51	08/28/15 23:00	1
Benzo[b]fluoranthene	ND		400	41	ug/Kg	☼	08/26/15 12:51	08/28/15 23:00	1
Benzo[k]fluoranthene	ND		400	41	ug/Kg	☼	08/26/15 12:51	08/28/15 23:00	1
bis (2-chloroisopropyl) ether	ND		400	41	ug/Kg	☼	08/26/15 12:51	08/28/15 23:00	1
Bis(2-chloroethyl)ether	ND		400	41	ug/Kg	☼	08/26/15 12:51	08/28/15 23:00	1
Bis(2-ethylhexyl) phthalate	ND		400	55	ug/Kg	☼	08/26/15 12:51	08/28/15 23:00	1
Butyl benzyl phthalate	ND		400	41	ug/Kg	☼	08/26/15 12:51	08/28/15 23:00	1
Chrysene	ND		400	41	ug/Kg	☼	08/26/15 12:51	08/28/15 23:00	1
Dibenz(a,h)anthracene	ND		400	41	ug/Kg	☼	08/26/15 12:51	08/28/15 23:00	1
Dibenzofuran	ND		400	41	ug/Kg	☼	08/26/15 12:51	08/28/15 23:00	1
Diethyl phthalate	ND		400	41	ug/Kg	☼	08/26/15 12:51	08/28/15 23:00	1
Dimethyl phthalate	ND		400	41	ug/Kg	☼	08/26/15 12:51	08/28/15 23:00	1
Di-n-butyl phthalate	ND		400	41	ug/Kg	☼	08/26/15 12:51	08/28/15 23:00	1
Di-n-octyl phthalate	ND		400	41	ug/Kg	☼	08/26/15 12:51	08/28/15 23:00	1
Diphenylamine	ND	*	400	41	ug/Kg	☼	08/26/15 12:51	08/28/15 23:00	1
Fluoranthene	ND		400	41	ug/Kg	☼	08/26/15 12:51	08/28/15 23:00	1
Fluorene	ND		400	41	ug/Kg	☼	08/26/15 12:51	08/28/15 23:00	1
Hexachlorobenzene	ND		400	41	ug/Kg	☼	08/26/15 12:51	08/28/15 23:00	1
Hexachlorobutadiene	ND		400	41	ug/Kg	☼	08/26/15 12:51	08/28/15 23:00	1
Hexachlorocyclopentadiene	ND		2000	400	ug/Kg	☼	08/26/15 12:51	08/28/15 23:00	1
Hexachloroethane	ND		400	41	ug/Kg	☼	08/26/15 12:51	08/28/15 23:00	1
Indeno[1,2,3-cd]pyrene	ND		400	41	ug/Kg	☼	08/26/15 12:51	08/28/15 23:00	1
Isophorone	ND		400	41	ug/Kg	☼	08/26/15 12:51	08/28/15 23:00	1
Naphthalene	ND		400	41	ug/Kg	☼	08/26/15 12:51	08/28/15 23:00	1

Client Sample ID: 2015.08.17.C.5

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

Lab Sample ID: 160-13469-8
Matrix: Solid
Percent Solids: 81.2

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

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*
Phenol-d5 (Surr)	*75*		*54 - 101*	*08/26/15 12:51*	*08/28/15 23:00*	*1*
Terphenyl-d14 (Surr)	*72*		*58 - 123*	*08/26/15 12:51*	*08/28/15 23:00*	*1*
2,4,6-Tribromophenol (Surr)	*85*		*46 - 111*	*08/26/15 12:51*	*08/28/15 23:00*	*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 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	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	☼	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	☼	08/27/15 15:48	08/27/15 19:54	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 (Continued)

Analyte	Result	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	☼	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	☼	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	☼	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	☼	08/27/15 15:48	08/27/15 19:54	1
Toluene	ND		4.6	0.65	ug/Kg	☼	08/27/15 15:48	08/27/15 19:54	1
trans-1,2-Dichloroethene	ND		4.6	0.87	ug/Kg	☼	08/27/15 15:48	08/27/15 19:54	1
Trichloroethene	ND		4.6	0.36	ug/Kg	☼	08/27/15 15:48	08/27/15 19:54	1
Trichlorofluoromethane	ND		4.6	0.46	ug/Kg	☼	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*

Method: 8270D - Semivolatile Organic Compounds (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 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	☼	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	1
1,3-Dichlorobenzene	ND		400	40	ug/Kg	☼	08/26/15 12:51	08/28/15 23:33	1
1,3-Dinitrobenzene	ND		400	40	ug/Kg	☼	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	☼	08/26/15 12:51	08/28/15 23:33	1
2,4,5-Trichlorophenol	ND		400	40	ug/Kg	☼	08/26/15 12:51	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) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	ND		400	40	ug/Kg	☼	08/26/15 12:51	08/28/15 23:33	1
2,4-Dichlorophenol	ND		400	40	ug/Kg	☼	08/26/15 12:51	08/28/15 23:33	1
2,4-Dimethylphenol	ND		400	40	ug/Kg	☼	08/26/15 12:51	08/28/15 23:33	1
2,4-Dinitrophenol	ND	*	1900	400	ug/Kg	☼	08/26/15 12:51	08/28/15 23:33	1
2,4-Dinitrotoluene	ND		400	40	ug/Kg	☼	08/26/15 12:51	08/28/15 23:33	1
2,6-Dinitrotoluene	ND		400	40	ug/Kg	☼	08/26/15 12:51	08/28/15 23:33	1
2-Chloronaphthalene	ND		400	40	ug/Kg	☼	08/26/15 12:51	08/28/15 23:33	1
2-Chlorophenol	ND		400	40	ug/Kg	☼	08/26/15 12:51	08/28/15 23:33	1
2-Methylnaphthalene	ND		400	40	ug/Kg	☼	08/26/15 12:51	08/28/15 23:33	1
2-Nitroaniline	ND		400	40	ug/Kg	☼	08/26/15 12:51	08/28/15 23:33	1
3,3'-Dichlorobenzidine	ND		1900	400	ug/Kg	☼	08/26/15 12:51	08/28/15 23:33	1
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	1
4-Nitrophenol	ND		1900	400	ug/Kg	☼	08/26/15 12:51	08/28/15 23:33	1
Acenaphthene	ND		400	40	ug/Kg	☼	08/26/15 12:51	08/28/15 23:33	1
Acenaphthylene	ND		400	40	ug/Kg	☼	08/26/15 12:51	08/28/15 23:33	1
Aniline	ND		400	72	ug/Kg	☼	08/26/15 12:51	08/28/15 23:33	1
Anthracene	ND		400	40	ug/Kg	☼	08/26/15 12:51	08/28/15 23:33	1
Benzo[a]anthracene	ND		400	40	ug/Kg	☼	08/26/15 12:51	08/28/15 23:33	1
Benzo[a]pyrene	ND		400	40	ug/Kg	☼	08/26/15 12:51	08/28/15 23:33	1
Benzo[b]fluoranthene	ND		400	40	ug/Kg	☼	08/26/15 12:51	08/28/15 23:33	1
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	1
Bis(2-chloroethyl)ether	ND		400	40	ug/Kg	☼	08/26/15 12:51	08/28/15 23:33	1
Bis(2-ethylhexyl) phthalate	ND		400	55	ug/Kg	☼	08/26/15 12:51	08/28/15 23:33	1
Butyl benzyl phthalate	ND		400	40	ug/Kg	☼	08/26/15 12:51	08/28/15 23:33	1
Chrysene	ND		400	40	ug/Kg	☼	08/26/15 12:51	08/28/15 23:33	1
Dibenz(a,h)anthracene	ND		400	40	ug/Kg	☼	08/26/15 12:51	08/28/15 23:33	1
Dibenzofuran	ND		400	40	ug/Kg	☼	08/26/15 12:51	08/28/15 23:33	1
Diethyl phthalate	ND		400	40	ug/Kg	☼	08/26/15 12:51	08/28/15 23:33	1
Dimethyl phthalate	ND		400	40	ug/Kg	☼	08/26/15 12:51	08/28/15 23:33	1
Di-n-butyl phthalate	ND		400	40	ug/Kg	☼	08/26/15 12:51	08/28/15 23:33	1
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	1
Hexachlorobenzene	ND		400	40	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	1
Hexachloroethane	ND		400	40	ug/Kg	☼	08/26/15 12:51	08/28/15 23:33	1
Indeno[1,2,3-cd]pyrene	ND		400	40	ug/Kg	☼	08/26/15 12:51	08/28/15 23:33	1
Isophorone	ND		400	40	ug/Kg	☼	08/26/15 12:51	08/28/15 23:33	1
Naphthalene	ND		400	40	ug/Kg	☼	08/26/15 12:51	08/28/15 23:33	1
Nitrobenzene	ND		400	40	ug/Kg	☼	08/26/15 12:51	08/28/15 23:33	1
N-Nitrosodi-n-propylamine	ND		400	40	ug/Kg	☼	08/26/15 12:51	08/28/15 23:33	1
Pentachlorophenol	ND		800	400	ug/Kg	☼	08/26/15 12:51	08/28/15 23:33	1
Phenanthrene	ND		400	40	ug/Kg	☼	08/26/15 12:51	08/28/15 23:33	1
Phenol	ND		400	40	ug/Kg	☼	08/26/15 12:51	08/28/15 23:33	1
Pyrene	ND		400	40	ug/Kg	☼	08/26/15 12:51	08/28/15 23:33	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) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
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*

Method: 8330B - Nitroaromatics and Nitramines (HPLC)

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 Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		4.8	0.34	ug/Kg	☼	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	☼	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	☼	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	☼	08/23/15 03:00	08/23/15 09:34	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 Organic Compounds by GC/MS (Continued)

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	☼	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	☼	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	☼	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	☼	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	☼	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*	*08/23/15 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
1,2,4,5-Tetrachlorobenzene	ND		420	43	ug/Kg	☼	08/26/15 12:51	08/29/15 00:06	1
1,2,4-Trichlorobenzene	ND		420	43	ug/Kg	☼	08/26/15 12:51	08/29/15 00:06	1
1,2-Dichlorobenzene	ND		420	43	ug/Kg	☼	08/26/15 12:51	08/29/15 00:06	1
1,3-Dichlorobenzene	ND		420	43	ug/Kg	☼	08/26/15 12:51	08/29/15 00:06	1
1,3-Dinitrobenzene	ND		420	43	ug/Kg	☼	08/26/15 12:51	08/29/15 00:06	1
1,4-Dichlorobenzene	ND		420	43	ug/Kg	☼	08/26/15 12:51	08/29/15 00:06	1
2,3,4,6-Tetrachlorophenol	ND		2000	43	ug/Kg	☼	08/26/15 12:51	08/29/15 00:06	1
2,4,5-Trichlorophenol	ND		420	43	ug/Kg	☼	08/26/15 12:51	08/29/15 00:06	1
2,4,6-Trichlorophenol	ND		420	43	ug/Kg	☼	08/26/15 12:51	08/29/15 00:06	1
2,4-Dichlorophenol	ND		420	43	ug/Kg	☼	08/26/15 12:51	08/29/15 00:06	1
2,4-Dimethylphenol	ND		420	43	ug/Kg	☼	08/26/15 12:51	08/29/15 00:06	1
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	43	ug/Kg	☼	08/26/15 12:51	08/29/15 00:06	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: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chloronaphthalene	ND		420	43	ug/Kg	☼	08/26/15 12:51	08/29/15 00:06	1
2-Chlorophenol	ND		420	43	ug/Kg	☼	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	43	ug/Kg	☼	08/26/15 12:51	08/29/15 00:06	1
3,3'-Dichlorobenzidine	ND		2000	420	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	☼	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	1
Benzo[b]fluoranthene	ND		420	43	ug/Kg	☼	08/26/15 12:51	08/29/15 00:06	1
Benzo[k]fluoranthene	ND		420	43	ug/Kg	☼	08/26/15 12:51	08/29/15 00:06	1
bis (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	ug/Kg	☼	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	1
Dibenzofuran	ND		420	43	ug/Kg	☼	08/26/15 12:51	08/29/15 00:06	1
Diethyl phthalate	ND		420	43	ug/Kg	☼	08/26/15 12:51	08/29/15 00:06	1
Dimethyl phthalate	ND		420	43	ug/Kg	☼	08/26/15 12:51	08/29/15 00:06	1
Di-n-butyl phthalate	ND		420	43	ug/Kg	☼	08/26/15 12:51	08/29/15 00:06	1
Di-n-octyl phthalate	ND		420	43	ug/Kg	☼	08/26/15 12:51	08/29/15 00:06	1
Diphenylamine	ND	*	420	43	ug/Kg	☼	08/26/15 12:51	08/29/15 00:06	1
Fluoranthene	ND		420	43	ug/Kg	☼	08/26/15 12:51	08/29/15 00:06	1
Fluorene	ND		420	43	ug/Kg	☼	08/26/15 12:51	08/29/15 00:06	1
Hexachlorobenzene	ND		420	43	ug/Kg	☼	08/26/15 12:51	08/29/15 00:06	1
Hexachlorobutadiene	ND		420	43	ug/Kg	☼	08/26/15 12:51	08/29/15 00:06	1
Hexachlorocyclopentadiene	ND		2000	420	ug/Kg	☼	08/26/15 12:51	08/29/15 00:06	1
Hexachloroethane	ND		420	43	ug/Kg	☼	08/26/15 12:51	08/29/15 00:06	1
Indeno[1,2,3-cd]pyrene	ND		420	43	ug/Kg	☼	08/26/15 12:51	08/29/15 00:06	1
Isophorone	ND		420	43	ug/Kg	☼	08/26/15 12:51	08/29/15 00:06	1
Naphthalene	ND		420	43	ug/Kg	☼	08/26/15 12:51	08/29/15 00:06	1
Nitrobenzene	ND		420	43	ug/Kg	☼	08/26/15 12:51	08/29/15 00:06	1
N-Nitrosodi-n-propylamine	ND		420	43	ug/Kg	☼	08/26/15 12:51	08/29/15 00:06	1
Pentachlorophenol	ND		850	420	ug/Kg	☼	08/26/15 12:51	08/29/15 00:06	1
Phenanthrene	ND		420	43	ug/Kg	☼	08/26/15 12:51	08/29/15 00:06	1
Phenol	ND		420	43	ug/Kg	☼	08/26/15 12:51	08/29/15 00:06	1
Pyrene	ND		420	43	ug/Kg	☼	08/26/15 12:51	08/29/15 00:06	1
N-Nitrosodiphenylamine	ND		420	43	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	1
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	08/29/15 00:06	1
Phenol-d5 (Surr)	69		54 - 101	08/26/15 12:51	08/29/15 00:06	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: 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 - 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 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 Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		4.3	0.30	ug/Kg	☼	08/31/15 19:37	08/31/15 21:59	1
1,1,1-Trichloroethane	ND		4.3	0.37	ug/Kg	☼	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	☼	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	☼	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**	**J B**	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 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 Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		4.3	0.33	ug/Kg	☼	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	☼	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	☼	08/31/15 19:37	08/31/15 21:59	1
Isobutyl alcohol	ND		170	22	ug/Kg	☼	08/31/15 19:37	08/31/15 21:59	1
Methyl tert-butyl ether	ND		4.3	0.41	ug/Kg	☼	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	☼	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	☼	08/31/15 19:37	08/31/15 21:59	1
trans-1,2-Dichloroethene	ND		4.3	0.80	ug/Kg	☼	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	☼	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 Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	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	☼	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	☼	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	☼	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	☼	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	☼	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	☼	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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	ND		1900	390	ug/Kg	☼	08/26/15 12:51	08/29/15 00:39	1
Acenaphthene	ND		390	39	ug/Kg	☼	08/26/15 12:51	08/29/15 00:39	1
Acenaphthylene	ND		390	39	ug/Kg	☼	08/26/15 12:51	08/29/15 00:39	1
Aniline	ND		390	70	ug/Kg	☼	08/26/15 12:51	08/29/15 00:39	1
Anthracene	ND		390	39	ug/Kg	☼	08/26/15 12:51	08/29/15 00:39	1
Benzo[a]anthracene	ND		390	39	ug/Kg	☼	08/26/15 12:51	08/29/15 00:39	1
Benzo[a]pyrene	ND		390	39	ug/Kg	☼	08/26/15 12:51	08/29/15 00:39	1
Benzo[b]fluoranthene	ND		390	39	ug/Kg	☼	08/26/15 12:51	08/29/15 00:39	1
Benzo[k]fluoranthene	ND		390	39	ug/Kg	☼	08/26/15 12:51	08/29/15 00:39	1
bis (2-chloroisopropyl) ether	ND		390	39	ug/Kg	☼	08/26/15 12:51	08/29/15 00:39	1
Bis(2-chloroethyl)ether	ND		390	39	ug/Kg	☼	08/26/15 12:51	08/29/15 00:39	1
Bis(2-ethylhexyl) phthalate	ND		390	53	ug/Kg	☼	08/26/15 12:51	08/29/15 00:39	1
Butyl benzyl phthalate	ND		390	39	ug/Kg	☼	08/26/15 12:51	08/29/15 00:39	1
Chrysene	ND		390	39	ug/Kg	☼	08/26/15 12:51	08/29/15 00:39	1
Dibenz(a,h)anthracene	ND		390	39	ug/Kg	☼	08/26/15 12:51	08/29/15 00:39	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	1
Dimethyl phthalate	ND		390	39	ug/Kg	☼	08/26/15 12:51	08/29/15 00:39	1
Di-n-butyl phthalate	ND		390	39	ug/Kg	☼	08/26/15 12:51	08/29/15 00:39	1
Di-n-octyl phthalate	ND		390	39	ug/Kg	☼	08/26/15 12:51	08/29/15 00:39	1
Diphenylamine	ND	*	390	39	ug/Kg	☼	08/26/15 12:51	08/29/15 00:39	1
Fluoranthene	ND		390	39	ug/Kg	☼	08/26/15 12:51	08/29/15 00:39	1
Fluorene	ND		390	39	ug/Kg	☼	08/26/15 12:51	08/29/15 00:39	1
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	☼	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	39	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 - Nitroaromatics and Nitramines (HPLC)

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 13:01	1
1,3-Dinitrobenzene	ND		240	42	ug/Kg		08/24/15 08:38	08/29/15 13:01	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: 8330B - Nitroaromatics and Nitramines (HPLC) (Continued)

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 Organic Compounds by GC/MS

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	☼	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	☼	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	☼	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	☼	08/23/15 03:00	08/23/15 10:24	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 Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	ND	*	4.5	0.61	ug/Kg	☼	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	☼	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	☼	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	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 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*

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

Analyte	Result	Qualifier	RL	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	☼	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	1
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	☼	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	ug/Kg	☼	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	☼	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	☼	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	☼	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
Benzo[a]anthracene	ND		410	41	ug/Kg	☼	08/26/15 12:51	08/29/15 01:12	1
Benzo[a]pyrene	ND		410	41	ug/Kg	☼	08/26/15 12:51	08/29/15 01:12	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 - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	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	☼	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	1
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	☼	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*

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 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 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: 8330B - Nitroaromatics and Nitramines (HPLC) (Continued)

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 Organic Compounds by GC/MS

Analyte	Result	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	☼	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	☼	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	☼	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	☼	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
Isobutyl 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	☼	08/23/15 03:00	08/23/15 10:48	1
Methylene Chloride	ND		4.2	1.3	ug/Kg	☼	08/23/15 03:00	08/23/15 10:48	1
Styrene	ND		4.2	0.29	ug/Kg	☼	08/23/15 03:00	08/23/15 10:48	1
Tetrachloroethene	ND		4.2	0.27	ug/Kg	☼	08/23/15 03:00	08/23/15 10:48	1
Toluene	ND		4.2	0.59	ug/Kg	☼	08/23/15 03:00	08/23/15 10:48	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 Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	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	1
Vinyl chloride	ND		4.2	0.36	ug/Kg	☼	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*	*1*
Dibromofluoromethane (Surr)	*107*		*70 - 126*	*08/23/15 03:00*	*08/23/15 10:48*	*1*
Toluene-d8 (Surr)	*117*		*80 - 120*	*08/23/15 03:00*	*08/23/15 10:48*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		390	39	ug/Kg	☼	08/26/15 12:51	08/29/15 01:45	1
1,2,4,5-Tetrachlorobenzene	ND		390	39	ug/Kg	☼	08/26/15 12:51	08/29/15 01:45	1
1,2,4-Trichlorobenzene	ND		390	39	ug/Kg	☼	08/26/15 12:51	08/29/15 01:45	1
1,2-Dichlorobenzene	ND		390	39	ug/Kg	☼	08/26/15 12:51	08/29/15 01:45	1
1,3-Dichlorobenzene	ND		390	39	ug/Kg	☼	08/26/15 12:51	08/29/15 01:45	1
1,3-Dinitrobenzene	ND		390	39	ug/Kg	☼	08/26/15 12:51	08/29/15 01:45	1
1,4-Dichlorobenzene	ND		390	39	ug/Kg	☼	08/26/15 12:51	08/29/15 01:45	1
2,3,4,6-Tetrachlorophenol	ND		1900	39	ug/Kg	☼	08/26/15 12:51	08/29/15 01:45	1
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	1
2,4-Dichlorophenol	ND		390	39	ug/Kg	☼	08/26/15 12:51	08/29/15 01:45	1
2,4-Dimethylphenol	ND		390	39	ug/Kg	☼	08/26/15 12:51	08/29/15 01:45	1
2,4-Dinitrophenol	ND	*	1900	390	ug/Kg	☼	08/26/15 12:51	08/29/15 01:45	1
2,4-Dinitrotoluene	ND		390	39	ug/Kg	☼	08/26/15 12:51	08/29/15 01:45	1
2,6-Dinitrotoluene	ND		390	39	ug/Kg	☼	08/26/15 12:51	08/29/15 01:45	1
2-Chloronaphthalene	ND		390	39	ug/Kg	☼	08/26/15 12:51	08/29/15 01:45	1
2-Chlorophenol	ND		390	39	ug/Kg	☼	08/26/15 12:51	08/29/15 01:45	1
2-Methylnaphthalene	ND		390	39	ug/Kg	☼	08/26/15 12:51	08/29/15 01:45	1
2-Nitroaniline	ND		390	39	ug/Kg	☼	08/26/15 12:51	08/29/15 01:45	1
3,3'-Dichlorobenzidine	ND		1900	390	ug/Kg	☼	08/26/15 12:51	08/29/15 01:45	1
3-Nitroaniline	ND		390	39	ug/Kg	☼	08/26/15 12:51	08/29/15 01:45	1
4-Nitroaniline	ND		1900	390	ug/Kg	☼	08/26/15 12:51	08/29/15 01:45	1
4-Nitrophenol	ND		1900	390	ug/Kg	☼	08/26/15 12:51	08/29/15 01:45	1
Acenaphthene	ND		390	39	ug/Kg	☼	08/26/15 12:51	08/29/15 01:45	1
Acenaphthylene	ND		390	39	ug/Kg	☼	08/26/15 12:51	08/29/15 01:45	1
Aniline	ND		390	70	ug/Kg	☼	08/26/15 12:51	08/29/15 01:45	1
Anthracene	ND		390	39	ug/Kg	☼	08/26/15 12:51	08/29/15 01:45	1
Benzo[a]anthracene	ND		390	39	ug/Kg	☼	08/26/15 12:51	08/29/15 01:45	1
Benzo[a]pyrene	ND		390	39	ug/Kg	☼	08/26/15 12:51	08/29/15 01:45	1
Benzo[b]fluoranthene	ND		390	39	ug/Kg	☼	08/26/15 12:51	08/29/15 01:45	1
Benzo[k]fluoranthene	ND		390	39	ug/Kg	☼	08/26/15 12:51	08/29/15 01:45	1
bis (2-chloroisopropyl) ether	ND		390	39	ug/Kg	☼	08/26/15 12:51	08/29/15 01:45	1
Bis(2-chloroethyl)ether	ND		390	39	ug/Kg	☼	08/26/15 12:51	08/29/15 01:45	1
Bis(2-ethylhexyl) phthalate	ND		390	53	ug/Kg	☼	08/26/15 12:51	08/29/15 01:45	1
Butyl benzyl phthalate	ND		390	39	ug/Kg	☼	08/26/15 12:51	08/29/15 01:45	1
Chrysene	ND		390	39	ug/Kg	☼	08/26/15 12:51	08/29/15 01:45	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: 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	☼	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	☼	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	☼	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	☼	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
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 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 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 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
1,2-Dinitrobenzene (Surr)	107		79 - 120	08/24/15 08:38	08/29/15 14:10	1

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

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

Analyte	Result	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	☼	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	☼	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	ug/Kg	☼	08/23/15 03:00	08/23/15 11:13	1
Bromomethane	ND		8.8	0.97	ug/Kg	☼	08/23/15 03:00	08/23/15 11:13	1
Carbon disulfide	ND		4.4	0.61	ug/Kg	☼	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	0.33	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	ug/Kg	☼	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	☼	08/23/15 03:00	08/23/15 11:13	1
Methyl tert-butyl ether	ND		4.4	0.42	ug/Kg	☼	08/23/15 03:00	08/23/15 11:13	1
Methylene Chloride	ND		4.4	1.4	ug/Kg	☼	08/23/15 03:00	08/23/15 11:13	1
Styrene	ND		4.4	0.31	ug/Kg	☼	08/23/15 03:00	08/23/15 11:13	1
Tetrachloroethene	ND		4.4	0.28	ug/Kg	☼	08/23/15 03:00	08/23/15 11:13	1
Toluene	ND		4.4	0.62	ug/Kg	☼	08/23/15 03:00	08/23/15 11:13	1
trans-1,2-Dichloroethene	ND		4.4	0.83	ug/Kg	☼	08/23/15 03:00	08/23/15 11:13	1
Trichloroethene	ND		4.4	0.34	ug/Kg	☼	08/23/15 03:00	08/23/15 11:13	1
Trichlorofluoromethane	ND		4.4	0.44	ug/Kg	☼	08/23/15 03:00	08/23/15 11:13	1
Vinyl chloride	ND		4.4	0.38	ug/Kg	☼	08/23/15 03:00	08/23/15 11:13	1
Xylenes, Total	ND		8.8	0.75	ug/Kg	☼	08/23/15 03:00	08/23/15 11:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		72 - 127	08/23/15 03:00	08/23/15 11:13	1
4-Bromofluorobenzene (Surr)	130	*	63 - 150	08/23/15 03:00	08/23/15 11:13	1

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

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

Surrogate	%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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		360	37	ug/Kg	☼	08/26/15 12:51	08/29/15 02:18	1
1,2,4,5-Tetrachlorobenzene	ND		360	37	ug/Kg	☼	08/26/15 12:51	08/29/15 02:18	1
1,2,4-Trichlorobenzene	ND		360	37	ug/Kg	☼	08/26/15 12:51	08/29/15 02:18	1
1,2-Dichlorobenzene	ND		360	37	ug/Kg	☼	08/26/15 12:51	08/29/15 02:18	1
1,3-Dichlorobenzene	ND		360	37	ug/Kg	☼	08/26/15 12:51	08/29/15 02:18	1
1,3-Dinitrobenzene	ND		360	37	ug/Kg	☼	08/26/15 12:51	08/29/15 02:18	1
1,4-Dichlorobenzene	ND		360	37	ug/Kg	☼	08/26/15 12:51	08/29/15 02:18	1
2,3,4,6-Tetrachlorophenol	ND		1800	37	ug/Kg	☼	08/26/15 12:51	08/29/15 02:18	1
2,4,5-Trichlorophenol	ND		360	37	ug/Kg	☼	08/26/15 12:51	08/29/15 02:18	1
2,4,6-Trichlorophenol	ND		360	37	ug/Kg	☼	08/26/15 12:51	08/29/15 02:18	1
2,4-Dichlorophenol	ND		360	37	ug/Kg	☼	08/26/15 12:51	08/29/15 02:18	1
2,4-Dimethylphenol	ND		360	37	ug/Kg	☼	08/26/15 12:51	08/29/15 02:18	1
2,4-Dinitrophenol	ND	*	1800	360	ug/Kg	☼	08/26/15 12:51	08/29/15 02:18	1
2,4-Dinitrotoluene	ND		360	37	ug/Kg	☼	08/26/15 12:51	08/29/15 02:18	1
2,6-Dinitrotoluene	ND		360	37	ug/Kg	☼	08/26/15 12:51	08/29/15 02:18	1
2-Chloronaphthalene	ND		360	37	ug/Kg	☼	08/26/15 12:51	08/29/15 02:18	1
2-Chlorophenol	ND		360	37	ug/Kg	☼	08/26/15 12:51	08/29/15 02:18	1
2-Methylnaphthalene	ND		360	37	ug/Kg	☼	08/26/15 12:51	08/29/15 02:18	1
2-Nitroaniline	ND		360	37	ug/Kg	☼	08/26/15 12:51	08/29/15 02:18	1
3,3'-Dichlorobenzidine	ND		1800	360	ug/Kg	☼	08/26/15 12:51	08/29/15 02:18	1
3-Nitroaniline	ND		360	37	ug/Kg	☼	08/26/15 12:51	08/29/15 02:18	1
4-Nitroaniline	ND		1800	360	ug/Kg	☼	08/26/15 12:51	08/29/15 02:18	1
4-Nitrophenol	ND		1800	360	ug/Kg	☼	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	☼	08/26/15 12:51	08/29/15 02:18	1
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	☼	08/26/15 12:51	08/29/15 02:18	1
Dibenzofuran	ND		360	37	ug/Kg	☼	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 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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	ND		360	37	ug/Kg	☼	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	☼	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	☼	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	☼	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*

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 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 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: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		4.7	0.33	ug/Kg	☼	08/23/15 03:00	08/23/15 11:38	1
1,1,1-Trichloroethane	ND		4.7	0.41	ug/Kg	☼	08/23/15 03:00	08/23/15 11:38	1
1,1,2,2-Tetrachloroethane	ND	*	4.7	0.38	ug/Kg	☼	08/23/15 03:00	08/23/15 11:38	1
1,1,2-Trichloroethane	ND		4.7	0.54	ug/Kg	☼	08/23/15 03:00	08/23/15 11:38	1
1,1-Dichloroethane	ND		4.7	0.37	ug/Kg	☼	08/23/15 03:00	08/23/15 11:38	1
1,1-Dichloroethene	ND		4.7	1.5	ug/Kg	☼	08/23/15 03:00	08/23/15 11:38	1
1,2-Dibromo-3-Chloropropane	ND	*	9.4	1.4	ug/Kg	☼	08/23/15 03:00	08/23/15 11:38	1
1,2-Dichloroethane	ND		4.7	0.82	ug/Kg	☼	08/23/15 03:00	08/23/15 11:38	1
1,2-Dichloropropane	ND		4.7	0.36	ug/Kg	☼	08/23/15 03:00	08/23/15 11:38	1
1,3-Dichloropropene, Total	ND		9.4	0.90	ug/Kg	☼	08/23/15 03:00	08/23/15 11:38	1
2-Butanone (MEK)	ND		19	1.8	ug/Kg	☼	08/23/15 03:00	08/23/15 11:38	1
4-Methyl-2-pentanone (MIBK)	ND		19	0.69	ug/Kg	☼	08/23/15 03:00	08/23/15 11:38	1
Acetone	**16**	**J**	19	6.1	ug/Kg	☼	08/23/15 03:00	08/23/15 11:38	1
Benzene	ND		4.7	0.24	ug/Kg	☼	08/23/15 03:00	08/23/15 11:38	1
Bromodichloromethane	ND		4.7	0.24	ug/Kg	☼	08/23/15 03:00	08/23/15 11:38	1
Bromoform	ND	*	4.7	0.35	ug/Kg	☼	08/23/15 03:00	08/23/15 11:38	1
Bromomethane	ND		9.4	1.0	ug/Kg	☼	08/23/15 03:00	08/23/15 11:38	1
Carbon disulfide	ND		4.7	0.65	ug/Kg	☼	08/23/15 03:00	08/23/15 11:38	1
Carbon tetrachloride	ND		4.7	0.48	ug/Kg	☼	08/23/15 03:00	08/23/15 11:38	1
Chlorobenzene	ND		4.7	0.36	ug/Kg	☼	08/23/15 03:00	08/23/15 11:38	1
Chlorodibromomethane	ND		4.7	0.39	ug/Kg	☼	08/23/15 03:00	08/23/15 11:38	1
Chloroethane	ND		9.4	0.49	ug/Kg	☼	08/23/15 03:00	08/23/15 11:38	1
Chloroform	ND		4.7	0.36	ug/Kg	☼	08/23/15 03:00	08/23/15 11:38	1
Chloromethane	ND		9.4	0.61	ug/Kg	☼	08/23/15 03:00	08/23/15 11:38	1
cis-1,2-Dichloroethene	ND		4.7	0.57	ug/Kg	☼	08/23/15 03:00	08/23/15 11:38	1
Ethylbenzene	ND		4.7	0.28	ug/Kg	☼	08/23/15 03:00	08/23/15 11:38	1
Hexachlorobutadiene	ND	*	4.7	0.64	ug/Kg	☼	08/23/15 03:00	08/23/15 11:38	1
Isobutyl alcohol	ND		190	24	ug/Kg	☼	08/23/15 03:00	08/23/15 11:38	1
Methyl tert-butyl ether	ND		4.7	0.45	ug/Kg	☼	08/23/15 03:00	08/23/15 11:38	1
Methylene Chloride	ND		4.7	1.5	ug/Kg	☼	08/23/15 03:00	08/23/15 11:38	1
Styrene	ND		4.7	0.33	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	☼	08/23/15 03:00	08/23/15 11:38	1
trans-1,2-Dichloroethene	ND		4.7	0.89	ug/Kg	☼	08/23/15 03:00	08/23/15 11:38	1
Trichloroethene	ND		4.7	0.37	ug/Kg	☼	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*	*08/23/15 11:38*	*1*
Dibromofluoromethane (Surr)	*117*		*70 - 126*	*08/23/15 03:00*	*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 - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		410	41	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
1,2,4-Trichlorobenzene	ND		410	41	ug/Kg	☼	08/26/15 12:51	08/29/15 02:50	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 - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		410	41	ug/Kg	☼	08/26/15 12:51	08/29/15 02:50	1
1,3-Dichlorobenzene	ND		410	41	ug/Kg	☼	08/26/15 12:51	08/29/15 02:50	1
1,3-Dinitrobenzene	ND		410	41	ug/Kg	☼	08/26/15 12:51	08/29/15 02:50	1
1,4-Dichlorobenzene	ND		410	41	ug/Kg	☼	08/26/15 12:51	08/29/15 02:50	1
2,3,4,6-Tetrachlorophenol	ND		2000	41	ug/Kg	☼	08/26/15 12:51	08/29/15 02:50	1
2,4,5-Trichlorophenol	ND		410	41	ug/Kg	☼	08/26/15 12:51	08/29/15 02:50	1
2,4,6-Trichlorophenol	ND		410	41	ug/Kg	☼	08/26/15 12:51	08/29/15 02:50	1
2,4-Dichlorophenol	ND		410	41	ug/Kg	☼	08/26/15 12:51	08/29/15 02:50	1
2,4-Dimethylphenol	ND		410	41	ug/Kg	☼	08/26/15 12:51	08/29/15 02:50	1
2,4-Dinitrophenol	ND	*	2000	410	ug/Kg	☼	08/26/15 12:51	08/29/15 02:50	1
2,4-Dinitrotoluene	ND		410	41	ug/Kg	☼	08/26/15 12:51	08/29/15 02:50	1
2,6-Dinitrotoluene	ND		410	41	ug/Kg	☼	08/26/15 12:51	08/29/15 02:50	1
2-Chloronaphthalene	ND		410	41	ug/Kg	☼	08/26/15 12:51	08/29/15 02:50	1
2-Chlorophenol	ND		410	41	ug/Kg	☼	08/26/15 12:51	08/29/15 02:50	1
2-Methylnaphthalene	ND		410	41	ug/Kg	☼	08/26/15 12:51	08/29/15 02:50	1
2-Nitroaniline	ND		410	41	ug/Kg	☼	08/26/15 12:51	08/29/15 02:50	1
3,3'-Dichlorobenzidine	ND		2000	410	ug/Kg	☼	08/26/15 12:51	08/29/15 02:50	1
3-Nitroaniline	ND		410	41	ug/Kg	☼	08/26/15 12:51	08/29/15 02:50	1
4-Nitroaniline	ND		2000	410	ug/Kg	☼	08/26/15 12:51	08/29/15 02:50	1
4-Nitrophenol	ND		2000	410	ug/Kg	☼	08/26/15 12:51	08/29/15 02:50	1
Acenaphthene	ND		410	41	ug/Kg	☼	08/26/15 12:51	08/29/15 02:50	1
Acenaphthylene	ND		410	41	ug/Kg	☼	08/26/15 12:51	08/29/15 02:50	1
Aniline	ND		410	74	ug/Kg	☼	08/26/15 12:51	08/29/15 02:50	1
Anthracene	ND		410	41	ug/Kg	☼	08/26/15 12:51	08/29/15 02:50	1
Benzo[a]anthracene	ND		410	41	ug/Kg	☼	08/26/15 12:51	08/29/15 02:50	1
Benzo[a]pyrene	ND		410	41	ug/Kg	☼	08/26/15 12:51	08/29/15 02:50	1
Benzo[b]fluoranthene	ND		410	41	ug/Kg	☼	08/26/15 12:51	08/29/15 02:50	1
Benzo[k]fluoranthene	ND		410	41	ug/Kg	☼	08/26/15 12:51	08/29/15 02:50	1
bis (2-chloroisopropyl) ether	ND		410	41	ug/Kg	☼	08/26/15 12:51	08/29/15 02:50	1
Bis(2-chloroethyl)ether	ND		410	42	ug/Kg	☼	08/26/15 12:51	08/29/15 02:50	1
Bis(2-ethylhexyl) phthalate	ND		410	56	ug/Kg	☼	08/26/15 12:51	08/29/15 02:50	1
Butyl benzyl phthalate	ND		410	41	ug/Kg	☼	08/26/15 12:51	08/29/15 02:50	1
Chrysene	ND		410	41	ug/Kg	☼	08/26/15 12:51	08/29/15 02:50	1
Dibenz(a,h)anthracene	ND		410	41	ug/Kg	☼	08/26/15 12:51	08/29/15 02:50	1
Dibenzofuran	ND		410	41	ug/Kg	☼	08/26/15 12:51	08/29/15 02:50	1
Diethyl phthalate	ND		410	41	ug/Kg	☼	08/26/15 12:51	08/29/15 02:50	1
Dimethyl phthalate	ND		410	41	ug/Kg	☼	08/26/15 12:51	08/29/15 02:50	1
Di-n-butyl phthalate	ND		410	41	ug/Kg	☼	08/26/15 12:51	08/29/15 02:50	1
Di-n-octyl phthalate	ND		410	41	ug/Kg	☼	08/26/15 12:51	08/29/15 02:50	1
Diphenylamine	ND	*	410	41	ug/Kg	☼	08/26/15 12:51	08/29/15 02:50	1
Fluoranthene	ND		410	41	ug/Kg	☼	08/26/15 12:51	08/29/15 02:50	1
Fluorene	ND		410	41	ug/Kg	☼	08/26/15 12:51	08/29/15 02:50	1
Hexachlorobenzene	ND		410	41	ug/Kg	☼	08/26/15 12:51	08/29/15 02:50	1
Hexachlorobutadiene	ND		410	41	ug/Kg	☼	08/26/15 12:51	08/29/15 02:50	1
Hexachlorocyclopentadiene	ND		2000	410	ug/Kg	☼	08/26/15 12:51	08/29/15 02:50	1
Hexachloroethane	ND		410	41	ug/Kg	☼	08/26/15 12:51	08/29/15 02:50	1
Indeno[1,2,3-cd]pyrene	ND		410	41	ug/Kg	☼	08/26/15 12:51	08/29/15 02:50	1
Isophorone	ND		410	41	ug/Kg	☼	08/26/15 12:51	08/29/15 02:50	1
Naphthalene	ND		410	41	ug/Kg	☼	08/26/15 12:51	08/29/15 02:50	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 - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	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	☼	08/26/15 12:51	08/29/15 02:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*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 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 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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.1	0.35	ug/Kg	☼	08/23/15 03:00	08/23/15 06:15	1
1,1,1-Trichloroethane	ND	F2	5.1	0.44	ug/Kg	☼	08/23/15 03:00	08/23/15 06:15	1
1,1,2,2-Tetrachloroethane	ND	*	5.1	0.41	ug/Kg	☼	08/23/15 03:00	08/23/15 06:15	1
1,1,2-Trichloroethane	ND		5.1	0.58	ug/Kg	☼	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 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 Organic Compounds by GC/MS (Continued)

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 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	☼	08/23/15 03:00	08/23/15 06:15	1
1,3-Dichloropropene, Total	ND		10	0.96	ug/Kg	☼	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	☼	08/23/15 03:00	08/23/15 06:15	1
Acetone	ND		20	6.6	ug/Kg	☼	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	☼	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	☼	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	☼	08/23/15 03:00	08/23/15 06:15	1
Styrene	ND		5.1	0.35	ug/Kg	☼	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**	**J F2**	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*
Toluene-d8 (Surr)	*139*	*X*	*80 - 120*	*08/23/15 03:00*	*08/23/15 06:15*	*1*

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

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	☼	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	☼	08/26/15 12:51	08/29/15 03:23	1
1,3-Dinitrobenzene	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/29/15 03:23	1
1,4-Dichlorobenzene	ND		420	42	ug/Kg	☼	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	☼	08/26/15 12:51	08/29/15 03:23	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 - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/29/15 03:23	1
2,4-Dichlorophenol	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/29/15 03:23	1
2,4-Dimethylphenol	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/29/15 03:23	1
2,4-Dinitrophenol	ND	*	2000	420	ug/Kg	☼	08/26/15 12:51	08/29/15 03:23	1
2,4-Dinitrotoluene	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/29/15 03:23	1
2,6-Dinitrotoluene	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/29/15 03:23	1
2-Chloronaphthalene	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/29/15 03:23	1
2-Chlorophenol	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/29/15 03:23	1
2-Methylnaphthalene	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/29/15 03:23	1
2-Nitroaniline	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/29/15 03:23	1
3,3'-Dichlorobenzidine	ND		2000	420	ug/Kg	☼	08/26/15 12:51	08/29/15 03:23	1
3-Nitroaniline	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/29/15 03:23	1
4-Nitroaniline	ND		2000	420	ug/Kg	☼	08/26/15 12:51	08/29/15 03:23	1
4-Nitrophenol	ND		2000	420	ug/Kg	☼	08/26/15 12:51	08/29/15 03:23	1
Acenaphthene	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/29/15 03:23	1
Acenaphthylene	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/29/15 03:23	1
Aniline	ND		420	76	ug/Kg	☼	08/26/15 12:51	08/29/15 03:23	1
Anthracene	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/29/15 03:23	1
Benzo[a]anthracene	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/29/15 03:23	1
Benzo[a]pyrene	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/29/15 03:23	1
Benzo[b]fluoranthene	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/29/15 03:23	1
Benzo[k]fluoranthene	ND	F1	420	42	ug/Kg	☼	08/26/15 12:51	08/29/15 03:23	1
bis (2-chloroisopropyl) ether	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/29/15 03:23	1
Bis(2-chloroethyl)ether	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/29/15 03:23	1
Bis(2-ethylhexyl) phthalate	ND		420	57	ug/Kg	☼	08/26/15 12:51	08/29/15 03:23	1
Butyl benzyl phthalate	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/29/15 03:23	1
Chrysene	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/29/15 03:23	1
Dibenz(a,h)anthracene	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/29/15 03:23	1
Dibenzofuran	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/29/15 03:23	1
Diethyl phthalate	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/29/15 03:23	1
Dimethyl phthalate	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/29/15 03:23	1
Di-n-butyl phthalate	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/29/15 03:23	1
Di-n-octyl phthalate	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/29/15 03:23	1
Diphenylamine	ND	*	420	42	ug/Kg	☼	08/26/15 12:51	08/29/15 03:23	1
Fluoranthene	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/29/15 03:23	1
Fluorene	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/29/15 03:23	1
Hexachlorobenzene	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/29/15 03:23	1
Hexachlorobutadiene	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/29/15 03:23	1
Hexachlorocyclopentadiene	ND		2000	420	ug/Kg	☼	08/26/15 12:51	08/29/15 03:23	1
Hexachloroethane	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/29/15 03:23	1
Indeno[1,2,3-cd]pyrene	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/29/15 03:23	1
Isophorone	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/29/15 03:23	1
Naphthalene	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/29/15 03:23	1
Nitrobenzene	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/29/15 03:23	1
N-Nitrosodi-n-propylamine	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/29/15 03:23	1
Pentachlorophenol	ND		840	420	ug/Kg	☼	08/26/15 12:51	08/29/15 03:23	1
Phenanthrene	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/29/15 03:23	1
Phenol	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/29/15 03:23	1
Pyrene	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/29/15 03:23	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 - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		420	42	ug/Kg	☼	08/26/15 12:51	08/29/15 03:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
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	Dil 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*
1,2-Dinitrobenzene (Surr)	*101*		*79 - 120*	*08/24/15 08:38*	*08/29/15 15:19*	*1*

Client Sample ID: 2015.08.17.I5

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: 8260C - Volatile Organic Compounds by GC/MS

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 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	☼	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	☼	08/23/15 03:00	08/23/15 12:03	1
1,2-Dichloroethane	ND		4.6	0.80	ug/Kg	☼	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	ug/Kg	☼	08/23/15 03:00	08/23/15 12:03	1

Client Sample ID: 2015.08.17.I5
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: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	27		18	5.9	ug/Kg	☼	08/23/15 03:00	08/23/15 12:03	1
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	1
Bromomethane	ND		9.2	1.0	ug/Kg	☼	08/23/15 03:00	08/23/15 12:03	1
Carbon disulfide	ND		4.6	0.63	ug/Kg	☼	08/23/15 03:00	08/23/15 12:03	1
Carbon tetrachloride	ND		4.6	0.47	ug/Kg	☼	08/23/15 03:00	08/23/15 12:03	1
Chlorobenzene	ND		4.6	0.35	ug/Kg	☼	08/23/15 03:00	08/23/15 12:03	1
Chlorodibromomethane	ND		4.6	0.38	ug/Kg	☼	08/23/15 03:00	08/23/15 12:03	1
Chloroethane	ND		9.2	0.48	ug/Kg	☼	08/23/15 03:00	08/23/15 12:03	1
Chloroform	ND		4.6	0.35	ug/Kg	☼	08/23/15 03:00	08/23/15 12:03	1
Chloromethane	ND		9.2	0.60	ug/Kg	☼	08/23/15 03:00	08/23/15 12:03	1
cis-1,2-Dichloroethene	ND		4.6	0.55	ug/Kg	☼	08/23/15 03:00	08/23/15 12:03	1
Ethylbenzene	ND		4.6	0.28	ug/Kg	☼	08/23/15 03:00	08/23/15 12:03	1
Hexachlorobutadiene	ND	*	4.6	0.62	ug/Kg	☼	08/23/15 03:00	08/23/15 12:03	1
Isobutyl alcohol	ND		180	23	ug/Kg	☼	08/23/15 03:00	08/23/15 12:03	1
Methyl tert-butyl ether	ND		4.6	0.44	ug/Kg	☼	08/23/15 03:00	08/23/15 12:03	1
Methylene Chloride	ND		4.6	1.5	ug/Kg	☼	08/23/15 03:00	08/23/15 12:03	1
Styrene	ND		4.6	0.32	ug/Kg	☼	08/23/15 03:00	08/23/15 12:03	1
Tetrachloroethene	ND		4.6	0.29	ug/Kg	☼	08/23/15 03:00	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	☼	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	1
Trichlorofluoromethane	ND		4.6	0.46	ug/Kg	☼	08/23/15 03:00	08/23/15 12:03	1
Vinyl chloride	ND		4.6	0.39	ug/Kg	☼	08/23/15 03:00	08/23/15 12:03	1
Xylenes, Total	ND		9.2	0.78	ug/Kg	☼	08/23/15 03:00	08/23/15 12:03	1

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*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		380	38	ug/Kg	☼	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	☼	08/31/15 10:17	09/02/15 11:14	1
1,2-Dichlorobenzene	ND		380	38	ug/Kg	☼	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	☼	08/31/15 10:17	09/02/15 11:14	1
1,4-Dichlorobenzene	ND		380	38	ug/Kg	☼	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	☼	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	☼	08/31/15 10:17	09/02/15 11:14	1
2,4-Dinitrophenol	ND		1800	380	ug/Kg	☼	08/31/15 10:17	09/02/15 11:14	1
2,4-Dinitrotoluene	ND		380	38	ug/Kg	☼	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 Sample ID: 2015.08.17.I5
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 - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chloronaphthalene	ND		380	38	ug/Kg	☼	08/31/15 10:17	09/02/15 11:14	1
2-Chlorophenol	ND		380	38	ug/Kg	☼	08/31/15 10:17	09/02/15 11:14	1
2-Methylnaphthalene	ND		380	38	ug/Kg	☼	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	☼	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	☼	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	38	ug/Kg	☼	08/31/15 10:17	09/02/15 11:14	1
Acenaphthylene	ND		380	38	ug/Kg	☼	08/31/15 10:17	09/02/15 11:14	1
Aniline	ND		380	69	ug/Kg	☼	08/31/15 10:17	09/02/15 11:14	1
Anthracene	ND		380	38	ug/Kg	☼	08/31/15 10:17	09/02/15 11:14	1
Benzo[a]anthracene	ND		380	38	ug/Kg	☼	08/31/15 10:17	09/02/15 11:14	1
Benzo[a]pyrene	ND		380	38	ug/Kg	☼	08/31/15 10:17	09/02/15 11:14	1
Benzo[b]fluoranthene	ND		380	38	ug/Kg	☼	08/31/15 10:17	09/02/15 11:14	1
Benzo[k]fluoranthene	ND		380	38	ug/Kg	☼	08/31/15 10:17	09/02/15 11:14	1
bis (2-chloroisopropyl) ether	ND		380	38	ug/Kg	☼	08/31/15 10:17	09/02/15 11:14	1
Bis(2-chloroethyl)ether	ND		380	38	ug/Kg	☼	08/31/15 10:17	09/02/15 11:14	1
Bis(2-ethylhexyl) phthalate	**120**	**J B**	380	52	ug/Kg	☼	08/31/15 10:17	09/02/15 11:14	1
Butyl benzyl phthalate	ND		380	38	ug/Kg	☼	08/31/15 10:17	09/02/15 11:14	1
Chrysene	ND		380	38	ug/Kg	☼	08/31/15 10:17	09/02/15 11:14	1
Dibenz(a,h)anthracene	ND		380	38	ug/Kg	☼	08/31/15 10:17	09/02/15 11:14	1
Dibenzofuran	ND		380	38	ug/Kg	☼	08/31/15 10:17	09/02/15 11:14	1
Diethyl phthalate	ND		380	38	ug/Kg	☼	08/31/15 10:17	09/02/15 11:14	1
Dimethyl phthalate	ND		380	38	ug/Kg	☼	08/31/15 10:17	09/02/15 11:14	1
Di-n-butyl phthalate	ND		380	38	ug/Kg	☼	08/31/15 10:17	09/02/15 11:14	1
Di-n-octyl phthalate	ND		380	38	ug/Kg	☼	08/31/15 10:17	09/02/15 11:14	1
Diphenylamine	ND		380	38	ug/Kg	☼	08/31/15 10:17	09/02/15 11:14	1
Fluoranthene	ND		380	38	ug/Kg	☼	08/31/15 10:17	09/02/15 11:14	1
Fluorene	ND		380	38	ug/Kg	☼	08/31/15 10:17	09/02/15 11:14	1
Hexachlorobenzene	ND		380	38	ug/Kg	☼	08/31/15 10:17	09/02/15 11:14	1
Hexachlorobutadiene	ND		380	38	ug/Kg	☼	08/31/15 10:17	09/02/15 11:14	1
Hexachlorocyclopentadiene	ND		1800	380	ug/Kg	☼	08/31/15 10:17	09/02/15 11:14	1
Hexachloroethane	ND		380	38	ug/Kg	☼	08/31/15 10:17	09/02/15 11:14	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	38	ug/Kg	☼	08/31/15 10:17	09/02/15 11:14	1
Naphthalene	ND		380	38	ug/Kg	☼	08/31/15 10:17	09/02/15 11:14	1
Nitrobenzene	ND		380	38	ug/Kg	☼	08/31/15 10:17	09/02/15 11:14	1
N-Nitrosodi-n-propylamine	ND		380	38	ug/Kg	☼	08/31/15 10:17	09/02/15 11:14	1
Pentachlorophenol	ND		760	380	ug/Kg	☼	08/31/15 10:17	09/02/15 11:14	1
Phenanthrene	ND		380	38	ug/Kg	☼	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*	*08/31/15 10:17*	*09/02/15 11:14*	*1*

Client Sample ID: 2015.08.17.I5

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 - 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 - 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 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*	*Dil 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 Organic Compounds by GC/MS

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 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

TestAmerica Job ID: 160-13469-1

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 Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		4.6	0.35	ug/Kg	☼	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	☼	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	☼	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	☼	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	☼	08/27/15 15:48	08/27/15 20:19	1
Toluene	ND		4.6	0.64	ug/Kg	☼	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	☼	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	☼	08/27/15 15:48	08/27/15 20:19	1
Xylenes, Total	**1.6**	**J**	9.1	0.78	ug/Kg	☼	08/27/15 15:48	08/27/15 20:19	1

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)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		370	37	ug/Kg	☼	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	☼	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	☼	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	☼	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 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: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	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	☼	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	☼	08/31/15 10:17	09/02/15 11:47	1
Benzo[k]fluoranthene	ND		370	37	ug/Kg	☼	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**	**J B**	370	50	ug/Kg	☼	08/31/15 10:17	09/02/15 11:47	1
Butyl benzyl phthalate	ND		370	37	ug/Kg	☼	08/31/15 10:17	09/02/15 11:47	1
Chrysene	ND		370	37	ug/Kg	☼	08/31/15 10:17	09/02/15 11:47	1
Dibenz(a,h)anthracene	ND		370	37	ug/Kg	☼	08/31/15 10:17	09/02/15 11:47	1
Dibenzofuran	ND		370	37	ug/Kg	☼	08/31/15 10:17	09/02/15 11:47	1
Diethyl phthalate	ND		370	37	ug/Kg	☼	08/31/15 10:17	09/02/15 11:47	1
Dimethyl phthalate	ND		370	37	ug/Kg	☼	08/31/15 10:17	09/02/15 11:47	1
Di-n-butyl phthalate	ND		370	37	ug/Kg	☼	08/31/15 10:17	09/02/15 11:47	1
Di-n-octyl phthalate	ND		370	37	ug/Kg	☼	08/31/15 10:17	09/02/15 11:47	1
Diphenylamine	ND		370	37	ug/Kg	☼	08/31/15 10:17	09/02/15 11:47	1
Fluoranthene	ND		370	37	ug/Kg	☼	08/31/15 10:17	09/02/15 11:47	1
Fluorene	ND		370	37	ug/Kg	☼	08/31/15 10:17	09/02/15 11:47	1
Hexachlorobenzene	ND		370	37	ug/Kg	☼	08/31/15 10:17	09/02/15 11:47	1
Hexachlorobutadiene	ND		370	37	ug/Kg	☼	08/31/15 10:17	09/02/15 11:47	1
Hexachlorocyclopentadiene	ND		1800	370	ug/Kg	☼	08/31/15 10:17	09/02/15 11:47	1
Hexachloroethane	ND		370	37	ug/Kg	☼	08/31/15 10:17	09/02/15 11:47	1
Indeno[1,2,3-cd]pyrene	ND		370	37	ug/Kg	☼	08/31/15 10:17	09/02/15 11:47	1
Isophorone	ND		370	37	ug/Kg	☼	08/31/15 10:17	09/02/15 11:47	1
Naphthalene	ND		370	37	ug/Kg	☼	08/31/15 10:17	09/02/15 11:47	1
Nitrobenzene	ND		370	37	ug/Kg	☼	08/31/15 10:17	09/02/15 11:47	1
N-Nitrosodi-n-propylamine	ND		370	37	ug/Kg	☼	08/31/15 10:17	09/02/15 11:47	1
Pentachlorophenol	ND		740	370	ug/Kg	☼	08/31/15 10:17	09/02/15 11:47	1
Phenanthrene	ND		370	37	ug/Kg	☼	08/31/15 10:17	09/02/15 11:47	1
Phenol	ND		370	37	ug/Kg	☼	08/31/15 10:17	09/02/15 11:47	1
Pyrene	ND		370	37	ug/Kg	☼	08/31/15 10:17	09/02/15 11:47	1
N-Nitrosodiphenylamine	ND		370	37	ug/Kg	☼	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*	*08/31/15 10:17*	*09/02/15 11:47*	*1*

Method: 8330B - Nitroaromatics and Nitramines (HPLC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trinitrobenzene	ND		240	27	ug/Kg		08/24/15 08:38	08/29/15 16:51	1
1,3-Dinitrobenzene	ND		240	43	ug/Kg		08/24/15 08:38	08/29/15 16:51	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: 8330B - Nitroaromatics and Nitramines (HPLC) (Continued)

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 Organic Compounds by GC/MS

Analyte	Result	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	☼	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	☼	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	1
Chlorodibromomethane	ND		4.3	0.35	ug/Kg	☼	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	☼	08/27/15 15:48	08/27/15 20:44	1
cis-1,2-Dichloroethene	ND		4.3	0.52	ug/Kg	☼	08/27/15 15:48	08/27/15 20:44	1
Ethylbenzene	ND		4.3	0.26	ug/Kg	☼	08/27/15 15:48	08/27/15 20:44	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 Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	ND		4.3	0.59	ug/Kg	☼	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	☼	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*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		370	37	ug/Kg	☼	08/31/15 10:17	09/02/15 12:19	1
1,2,4,5-Tetrachlorobenzene	ND		370	37	ug/Kg	☼	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	☼	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	☼	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	☼	08/31/15 10:17	09/02/15 12:19	1
2,4-Dinitrophenol	ND		1800	370	ug/Kg	☼	08/31/15 10:17	09/02/15 12:19	1
2,4-Dinitrotoluene	ND		370	37	ug/Kg	☼	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 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: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	ND		370	37	ug/Kg	☼	08/31/15 10:17	09/02/15 12:19	1
Benzo[k]fluoranthene	ND		370	37	ug/Kg	☼	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	☼	08/31/15 10:17	09/02/15 12:19	1
Bis(2-ethylhexyl) phthalate	**120**	**J B**	370	50	ug/Kg	☼	08/31/15 10:17	09/02/15 12:19	1
Butyl benzyl phthalate	ND		370	37	ug/Kg	☼	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	☼	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	☼	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	☼	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	☼	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	☼	08/31/15 10:17	09/02/15 12:19	1
Hexachloroethane	ND		370	37	ug/Kg	☼	08/31/15 10:17	09/02/15 12:19	1
Indeno[1,2,3-cd]pyrene	ND		370	37	ug/Kg	☼	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	☼	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	☼	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	☼	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 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: 8330B - Nitroaromatics and Nitramines (HPLC) (Continued)

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	*	4.8	0.33	ug/Kg	☼	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	☼	08/23/15 03:00	08/23/15 12:28	1
1,2-Dibromo-3-Chloropropane	ND	*	9.5	1.4	ug/Kg	☼	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	☼	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	0.69	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	0.24	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	0.35	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	0.66	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	0.36	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	0.49	ug/Kg	☼	08/23/15 03:00	08/23/15 12:28	1
Chloroform	ND		4.8	0.36	ug/Kg	☼	08/23/15 03:00	08/23/15 12:28	1
Chloromethane	ND		9.5	0.62	ug/Kg	☼	08/23/15 03:00	08/23/15 12:28	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	08/23/15 12:28	1
Isobutyl alcohol	ND		190	24	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	1.5	ug/Kg	☼	08/23/15 03:00	08/23/15 12:28	1
Styrene	ND	*	4.8	0.33	ug/Kg	☼	08/23/15 03:00	08/23/15 12:28	1
Tetrachloroethene	ND	*	4.8	0.30	ug/Kg	☼	08/23/15 03:00	08/23/15 12:28	1
Toluene	ND	*	4.8	0.67	ug/Kg	☼	08/23/15 03:00	08/23/15 12:28	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 (Continued)

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	1
Trichlorofluoromethane	ND		4.8	0.48	ug/Kg	☼	08/23/15 03:00	08/23/15 12:28	1
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*

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

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	☼	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	☼	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	☼	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	☼	08/31/15 10:17	09/02/15 12:52	1
2,4-Dinitrotoluene	ND		410	41	ug/Kg	☼	08/31/15 10:17	09/02/15 12:52	1
2,6-Dinitrotoluene	ND		410	41	ug/Kg	☼	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	☼	08/31/15 10:17	09/02/15 12:52	1
2-Methylnaphthalene	ND		410	41	ug/Kg	☼	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	☼	08/31/15 10:17	09/02/15 12:52	1
3-Nitroaniline	ND		410	41	ug/Kg	☼	08/31/15 10:17	09/02/15 12:52	1
4-Nitroaniline	ND		2000	410	ug/Kg	☼	08/31/15 10:17	09/02/15 12:52	1
4-Nitrophenol	ND		2000	410	ug/Kg	☼	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	☼	08/31/15 10:17	09/02/15 12:52	1
Aniline	ND		410	74	ug/Kg	☼	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	☼	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**	**J B**	410	56	ug/Kg	☼	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	☼	08/31/15 10:17	09/02/15 12:52	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: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		410	41	ug/Kg	☼	08/31/15 10:17	09/02/15 12:52	1
Dibenzofuran	ND		410	41	ug/Kg	☼	08/31/15 10:17	09/02/15 12:52	1
Diethyl phthalate	ND		410	41	ug/Kg	☼	08/31/15 10:17	09/02/15 12:52	1
Dimethyl phthalate	ND		410	41	ug/Kg	☼	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	☼	08/31/15 10:17	09/02/15 12:52	1
Diphenylamine	ND		410	41	ug/Kg	☼	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	☼	08/31/15 10:17	09/02/15 12:52	1
Isophorone	ND		410	41	ug/Kg	☼	08/31/15 10:17	09/02/15 12:52	1
Naphthalene	ND		410	41	ug/Kg	☼	08/31/15 10:17	09/02/15 12:52	1
Nitrobenzene	ND		410	41	ug/Kg	☼	08/31/15 10:17	09/02/15 12:52	1
N-Nitrosodi-n-propylamine	ND		410	41	ug/Kg	☼	08/31/15 10:17	09/02/15 12:52	1
Pentachlorophenol	ND		820	410	ug/Kg	☼	08/31/15 10:17	09/02/15 12:52	1
Phenanthrene	ND		410	41	ug/Kg	☼	08/31/15 10:17	09/02/15 12:52	1
Phenol	ND		410	41	ug/Kg	☼	08/31/15 10:17	09/02/15 12:52	1
Pyrene	ND		410	41	ug/Kg	☼	08/31/15 10:17	09/02/15 12:52	1
N-Nitrosodiphenylamine	ND		410	41	ug/Kg	☼	08/31/15 10:17	09/02/15 12:52	1

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 - 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 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	63	ug/Kg		08/24/15 08:38	08/29/15 18:00	1
2-Amino-4,6-dinitrotoluene	ND		250	42	ug/Kg		08/24/15 08:38	08/29/15 18:00	1
4-Amino-2,6-dinitrotoluene	ND		250	92	ug/Kg		08/24/15 08:38	08/29/15 18:00	1
3-Nitrotoluene	ND		250	55	ug/Kg		08/24/15 08:38	08/29/15 18:00	1
Nitrobenzene	ND		250	43	ug/Kg		08/24/15 08:38	08/29/15 18:00	1
Nitroglycerin	ND		1200	270	ug/Kg		08/24/15 08:38	08/29/15 18:00	1
2-Nitrotoluene	ND		250	64	ug/Kg		08/24/15 08:38	08/29/15 18:00	1
4-Nitrotoluene	ND		250	80	ug/Kg		08/24/15 08:38	08/29/15 18:00	1
PETN	ND		2500	340	ug/Kg		08/24/15 08:38	08/29/15 18:00	1
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
Tetryl	ND		250	45	ug/Kg		08/24/15 08:38	08/29/15 18:00	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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		4.8	0.34	ug/Kg	☼	08/27/15 15:48	08/27/15 21:09	1
1,1,1-Trichloroethane	ND		4.8	0.42	ug/Kg	☼	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	☼	08/27/15 15:48	08/27/15 21:09	1
1,1-Dichloroethane	ND		4.8	0.38	ug/Kg	☼	08/27/15 15:48	08/27/15 21:09	1
1,1-Dichloroethene	ND		4.8	1.6	ug/Kg	☼	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	☼	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	☼	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	☼	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	0.24	ug/Kg	☼	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	1.1	ug/Kg	☼	08/27/15 15:48	08/27/15 21:09	1
Carbon disulfide	ND		4.8	0.67	ug/Kg	☼	08/27/15 15:48	08/27/15 21:09	1
Carbon tetrachloride	ND		4.8	0.49	ug/Kg	☼	08/27/15 15:48	08/27/15 21:09	1
Chlorobenzene	ND		4.8	0.37	ug/Kg	☼	08/27/15 15:48	08/27/15 21:09	1
Chlorodibromomethane	ND		4.8	0.40	ug/Kg	☼	08/27/15 15:48	08/27/15 21:09	1
Chloroethane	ND		9.7	0.50	ug/Kg	☼	08/27/15 15:48	08/27/15 21:09	1
Chloroform	ND		4.8	0.37	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	0.58	ug/Kg	☼	08/27/15 15:48	08/27/15 21:09	1
Ethylbenzene	ND		4.8	0.29	ug/Kg	☼	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	25	ug/Kg	☼	08/27/15 15:48	08/27/15 21:09	1
Methyl tert-butyl ether	ND		4.8	0.46	ug/Kg	☼	08/27/15 15:48	08/27/15 21:09	1
Methylene Chloride	ND		4.8	1.5	ug/Kg	☼	08/27/15 15:48	08/27/15 21:09	1
Styrene	ND		4.8	0.34	ug/Kg	☼	08/27/15 15:48	08/27/15 21:09	1
Tetrachloroethene	ND		4.8	0.31	ug/Kg	☼	08/27/15 15:48	08/27/15 21:09	1
Toluene	ND		4.8	0.68	ug/Kg	☼	08/27/15 15:48	08/27/15 21:09	1
trans-1,2-Dichloroethene	ND		4.8	0.91	ug/Kg	☼	08/27/15 15:48	08/27/15 21:09	1
Trichloroethene	ND		4.8	0.38	ug/Kg	☼	08/27/15 15:48	08/27/15 21:09	1
Trichlorofluoromethane	ND		4.8	0.48	ug/Kg	☼	08/27/15 15:48	08/27/15 21:09	1
Vinyl chloride	ND		4.8	0.42	ug/Kg	☼	08/27/15 15:48	08/27/15 21:09	1
Xylenes, Total	ND		9.7	0.82	ug/Kg	☼	08/27/15 15:48	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*

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	Qualifier	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*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		370	37	ug/Kg	☼	08/31/15 10:17	09/02/15 13:24	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	☼	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	☼	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	☼	08/31/15 10:17	09/02/15 13:24	1
2-Chlorophenol	ND		370	37	ug/Kg	☼	08/31/15 10:17	09/02/15 13:24	1
2-Methylnaphthalene	ND		370	37	ug/Kg	☼	08/31/15 10:17	09/02/15 13:24	1
2-Nitroaniline	ND		370	37	ug/Kg	☼	08/31/15 10:17	09/02/15 13:24	1
3,3'-Dichlorobenzidine	ND		1800	370	ug/Kg	☼	08/31/15 10:17	09/02/15 13:24	1
3-Nitroaniline	ND		370	37	ug/Kg	☼	08/31/15 10:17	09/02/15 13:24	1
4-Nitroaniline	ND		1800	370	ug/Kg	☼	08/31/15 10:17	09/02/15 13:24	1
4-Nitrophenol	ND		1800	370	ug/Kg	☼	08/31/15 10:17	09/02/15 13:24	1
Acenaphthene	ND		370	37	ug/Kg	☼	08/31/15 10:17	09/02/15 13:24	1
Acenaphthylene	ND		370	37	ug/Kg	☼	08/31/15 10:17	09/02/15 13:24	1
Aniline	ND		370	67	ug/Kg	☼	08/31/15 10:17	09/02/15 13:24	1
Anthracene	ND		370	37	ug/Kg	☼	08/31/15 10:17	09/02/15 13:24	1
Benzo[a]anthracene	ND		370	37	ug/Kg	☼	08/31/15 10:17	09/02/15 13:24	1
Benzo[a]pyrene	ND		370	37	ug/Kg	☼	08/31/15 10:17	09/02/15 13:24	1
Benzo[b]fluoranthene	ND		370	37	ug/Kg	☼	08/31/15 10:17	09/02/15 13:24	1
Benzo[k]fluoranthene	ND		370	37	ug/Kg	☼	08/31/15 10:17	09/02/15 13:24	1
bis (2-chloroisopropyl) ether	ND		370	37	ug/Kg	☼	08/31/15 10:17	09/02/15 13:24	1
Bis(2-chloroethyl)ether	ND		370	37	ug/Kg	☼	08/31/15 10:17	09/02/15 13:24	1
Bis(2-ethylhexyl) phthalate	**130**	**J B**	370	51	ug/Kg	☼	08/31/15 10:17	09/02/15 13:24	1
Butyl benzyl phthalate	ND		370	37	ug/Kg	☼	08/31/15 10:17	09/02/15 13:24	1
Chrysene	ND		370	37	ug/Kg	☼	08/31/15 10:17	09/02/15 13:24	1
Dibenz(a,h)anthracene	ND		370	37	ug/Kg	☼	08/31/15 10:17	09/02/15 13:24	1
Dibenzofuran	ND		370	37	ug/Kg	☼	08/31/15 10:17	09/02/15 13:24	1
Diethyl phthalate	ND		370	37	ug/Kg	☼	08/31/15 10:17	09/02/15 13:24	1
Dimethyl phthalate	ND		370	37	ug/Kg	☼	08/31/15 10:17	09/02/15 13:24	1
Di-n-butyl phthalate	ND		370	37	ug/Kg	☼	08/31/15 10:17	09/02/15 13:24	1
Di-n-octyl phthalate	ND		370	37	ug/Kg	☼	08/31/15 10:17	09/02/15 13:24	1
Diphenylamine	ND		370	37	ug/Kg	☼	08/31/15 10:17	09/02/15 13:24	1
Fluoranthene	ND		370	37	ug/Kg	☼	08/31/15 10:17	09/02/15 13:24	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: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	ND		370	37	ug/Kg	☼	08/31/15 10:17	09/02/15 13:24	1
Hexachlorobenzene	ND		370	37	ug/Kg	☼	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	☼	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	☼	08/31/15 10:17	09/02/15 13:24	1
Naphthalene	ND		370	37	ug/Kg	☼	08/31/15 10:17	09/02/15 13:24	1
Nitrobenzene	ND		370	37	ug/Kg	☼	08/31/15 10:17	09/02/15 13:24	1
N-Nitrosodi-n-propylamine	ND		370	37	ug/Kg	☼	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	☼	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 - 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 08:40	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*		*79 - 120*	*08/24/15 08:40*	*08/29/15 19:09*	*1*

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

Matrix: Solid
Percent Solids: 84.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		4.9	0.34	ug/Kg	☼	08/27/15 15:48	08/27/15 21:34	1
1,1,1-Trichloroethane	ND		4.9	0.42	ug/Kg	☼	08/27/15 15:48	08/27/15 21:34	1
1,1,2,2-Tetrachloroethane	ND		4.9	0.39	ug/Kg	☼	08/27/15 15:48	08/27/15 21:34	1
1,1,2-Trichloroethane	ND		4.9	0.56	ug/Kg	☼	08/27/15 15:48	08/27/15 21:34	1
1,1-Dichloroethane	ND		4.9	0.38	ug/Kg	☼	08/27/15 15:48	08/27/15 21:34	1
1,1-Dichloroethene	ND		4.9	1.6	ug/Kg	☼	08/27/15 15:48	08/27/15 21:34	1
1,2-Dibromo-3-Chloropropane	ND		9.8	1.4	ug/Kg	☼	08/27/15 15:48	08/27/15 21:34	1
1,2-Dichloroethane	ND		4.9	0.86	ug/Kg	☼	08/27/15 15:48	08/27/15 21:34	1
1,2-Dichloropropane	ND		4.9	0.37	ug/Kg	☼	08/27/15 15:48	08/27/15 21:34	1
1,3-Dichloropropene, Total	ND		9.8	0.93	ug/Kg	☼	08/27/15 15:48	08/27/15 21:34	1
2-Butanone (MEK)	ND		20	1.9	ug/Kg	☼	08/27/15 15:48	08/27/15 21:34	1
4-Methyl-2-pentanone (MIBK)	ND		20	0.72	ug/Kg	☼	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	1
Benzene	ND		4.9	0.25	ug/Kg	☼	08/27/15 15:48	08/27/15 21:34	1
Bromodichloromethane	ND		4.9	0.25	ug/Kg	☼	08/27/15 15:48	08/27/15 21:34	1
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	1
Carbon disulfide	ND		4.9	0.68	ug/Kg	☼	08/27/15 15:48	08/27/15 21:34	1
Carbon tetrachloride	ND		4.9	0.50	ug/Kg	☼	08/27/15 15:48	08/27/15 21:34	1
Chlorobenzene	ND		4.9	0.37	ug/Kg	☼	08/27/15 15:48	08/27/15 21:34	1
Chlorodibromomethane	ND		4.9	0.40	ug/Kg	☼	08/27/15 15:48	08/27/15 21:34	1
Chloroethane	ND		9.8	0.51	ug/Kg	☼	08/27/15 15:48	08/27/15 21:34	1
Chloroform	ND		4.9	0.37	ug/Kg	☼	08/27/15 15:48	08/27/15 21:34	1
Chloromethane	ND		9.8	0.64	ug/Kg	☼	08/27/15 15:48	08/27/15 21:34	1
cis-1,2-Dichloroethene	ND		4.9	0.59	ug/Kg	☼	08/27/15 15:48	08/27/15 21:34	1
Ethylbenzene	ND		4.9	0.29	ug/Kg	☼	08/27/15 15:48	08/27/15 21:34	1
Hexachlorobutadiene	ND		4.9	0.67	ug/Kg	☼	08/27/15 15:48	08/27/15 21:34	1
Isobutyl alcohol	ND		200	25	ug/Kg	☼	08/27/15 15:48	08/27/15 21:34	1
Methyl tert-butyl ether	ND		4.9	0.47	ug/Kg	☼	08/27/15 15:48	08/27/15 21:34	1
Methylene Chloride	ND		4.9	1.6	ug/Kg	☼	08/27/15 15:48	08/27/15 21:34	1
Styrene	ND		4.9	0.34	ug/Kg	☼	08/27/15 15:48	08/27/15 21:34	1
Tetrachloroethene	ND		4.9	0.31	ug/Kg	☼	08/27/15 15:48	08/27/15 21:34	1
Toluene	ND		4.9	0.69	ug/Kg	☼	08/27/15 15:48	08/27/15 21:34	1
trans-1,2-Dichloroethene	ND		4.9	0.92	ug/Kg	☼	08/27/15 15:48	08/27/15 21:34	1
Trichloroethene	ND		4.9	0.38	ug/Kg	☼	08/27/15 15:48	08/27/15 21:34	1
Trichlorofluoromethane	ND		4.9	0.49	ug/Kg	☼	08/27/15 15:48	08/27/15 21:34	1
Vinyl chloride	ND		4.9	0.42	ug/Kg	☼	08/27/15 15:48	08/27/15 21:34	1
Xylenes, Total	ND		9.8	0.84	ug/Kg	☼	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*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		390	39	ug/Kg	☼	08/31/15 10:17	09/02/15 13:57	1
1,2,4,5-Tetrachlorobenzene	ND		390	39	ug/Kg	☼	08/31/15 10:17	09/02/15 13:57	1
1,2,4-Trichlorobenzene	ND		390	39	ug/Kg	☼	08/31/15 10:17	09/02/15 13:57	1

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
Matrix: Solid
Percent Solids: 84.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		390	39	ug/Kg	☼	08/31/15 10:17	09/02/15 13:57	1
1,3-Dichlorobenzene	ND		390	39	ug/Kg	☼	08/31/15 10:17	09/02/15 13:57	1
1,3-Dinitrobenzene	ND		390	39	ug/Kg	☼	08/31/15 10:17	09/02/15 13:57	1
1,4-Dichlorobenzene	ND		390	39	ug/Kg	☼	08/31/15 10:17	09/02/15 13:57	1
2,3,4,6-Tetrachlorophenol	ND		1900	39	ug/Kg	☼	08/31/15 10:17	09/02/15 13:57	1
2,4,5-Trichlorophenol	ND		390	39	ug/Kg	☼	08/31/15 10:17	09/02/15 13:57	1
2,4,6-Trichlorophenol	ND		390	39	ug/Kg	☼	08/31/15 10:17	09/02/15 13:57	1
2,4-Dichlorophenol	ND		390	39	ug/Kg	☼	08/31/15 10:17	09/02/15 13:57	1
2,4-Dimethylphenol	ND		390	39	ug/Kg	☼	08/31/15 10:17	09/02/15 13:57	1
2,4-Dinitrophenol	ND		1900	390	ug/Kg	☼	08/31/15 10:17	09/02/15 13:57	1
2,4-Dinitrotoluene	ND		390	39	ug/Kg	☼	08/31/15 10:17	09/02/15 13:57	1
2,6-Dinitrotoluene	ND		390	39	ug/Kg	☼	08/31/15 10:17	09/02/15 13:57	1
2-Chloronaphthalene	ND		390	39	ug/Kg	☼	08/31/15 10:17	09/02/15 13:57	1
2-Chlorophenol	ND		390	39	ug/Kg	☼	08/31/15 10:17	09/02/15 13:57	1
2-Methylnaphthalene	ND		390	39	ug/Kg	☼	08/31/15 10:17	09/02/15 13:57	1
2-Nitroaniline	ND		390	39	ug/Kg	☼	08/31/15 10:17	09/02/15 13:57	1
3,3'-Dichlorobenzidine	ND		1900	390	ug/Kg	☼	08/31/15 10:17	09/02/15 13:57	1
3-Nitroaniline	ND		390	39	ug/Kg	☼	08/31/15 10:17	09/02/15 13:57	1
4-Nitroaniline	ND		1900	390	ug/Kg	☼	08/31/15 10:17	09/02/15 13:57	1
4-Nitrophenol	ND		1900	390	ug/Kg	☼	08/31/15 10:17	09/02/15 13:57	1
Acenaphthene	ND		390	39	ug/Kg	☼	08/31/15 10:17	09/02/15 13:57	1
Acenaphthylene	ND		390	39	ug/Kg	☼	08/31/15 10:17	09/02/15 13:57	1
Aniline	ND		390	70	ug/Kg	☼	08/31/15 10:17	09/02/15 13:57	1
Anthracene	ND		390	39	ug/Kg	☼	08/31/15 10:17	09/02/15 13:57	1
Benzo[a]anthracene	ND		390	39	ug/Kg	☼	08/31/15 10:17	09/02/15 13:57	1
Benzo[a]pyrene	ND		390	39	ug/Kg	☼	08/31/15 10:17	09/02/15 13:57	1
Benzo[b]fluoranthene	ND		390	39	ug/Kg	☼	08/31/15 10:17	09/02/15 13:57	1
Benzo[k]fluoranthene	ND		390	39	ug/Kg	☼	08/31/15 10:17	09/02/15 13:57	1
bis (2-chloroisopropyl) ether	ND		390	39	ug/Kg	☼	08/31/15 10:17	09/02/15 13:57	1
Bis(2-chloroethyl)ether	ND		390	39	ug/Kg	☼	08/31/15 10:17	09/02/15 13:57	1
Bis(2-ethylhexyl) phthalate	ND		390	53	ug/Kg	☼	08/31/15 10:17	09/02/15 13:57	1
Butyl benzyl phthalate	ND		390	39	ug/Kg	☼	08/31/15 10:17	09/02/15 13:57	1
Chrysene	ND		390	39	ug/Kg	☼	08/31/15 10:17	09/02/15 13:57	1
Dibenz(a,h)anthracene	ND		390	39	ug/Kg	☼	08/31/15 10:17	09/02/15 13:57	1
Dibenzofuran	ND		390	39	ug/Kg	☼	08/31/15 10:17	09/02/15 13:57	1
Diethyl phthalate	ND		390	39	ug/Kg	☼	08/31/15 10:17	09/02/15 13:57	1
Dimethyl phthalate	ND		390	39	ug/Kg	☼	08/31/15 10:17	09/02/15 13:57	1
Di-n-butyl phthalate	ND		390	39	ug/Kg	☼	08/31/15 10:17	09/02/15 13:57	1
Di-n-octyl phthalate	ND		390	39	ug/Kg	☼	08/31/15 10:17	09/02/15 13:57	1
Diphenylamine	ND		390	39	ug/Kg	☼	08/31/15 10:17	09/02/15 13:57	1
Fluoranthene	ND		390	39	ug/Kg	☼	08/31/15 10:17	09/02/15 13:57	1
Fluorene	ND		390	39	ug/Kg	☼	08/31/15 10:17	09/02/15 13:57	1
Hexachlorobenzene	ND		390	39	ug/Kg	☼	08/31/15 10:17	09/02/15 13:57	1
Hexachlorobutadiene	ND		390	39	ug/Kg	☼	08/31/15 10:17	09/02/15 13:57	1
Hexachlorocyclopentadiene	ND		1900	390	ug/Kg	☼	08/31/15 10:17	09/02/15 13:57	1
Hexachloroethane	ND		390	39	ug/Kg	☼	08/31/15 10:17	09/02/15 13:57	1
Indeno[1,2,3-cd]pyrene	ND		390	39	ug/Kg	☼	08/31/15 10:17	09/02/15 13:57	1
Isophorone	ND		390	39	ug/Kg	☼	08/31/15 10:17	09/02/15 13:57	1
Naphthalene	ND		390	39	ug/Kg	☼	08/31/15 10:17	09/02/15 13:57	1

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

Matrix: Solid
Percent Solids: 84.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	ND		390	39	ug/Kg	☼	08/31/15 10:17	09/02/15 13:57	1
N-Nitrosodi-n-propylamine	ND		390	39	ug/Kg	☼	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*

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 08:40	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

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

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	☼	08/27/15 15:48	08/27/15 17:46	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: 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	☼	08/27/15 15:48	08/27/15 17:46	1
1,2-Dichloroethane	ND	F2	4.8	0.83	ug/Kg	☼	08/27/15 15:48	08/27/15 17:46	1
1,2-Dichloropropane	ND	F2	4.8	0.36	ug/Kg	☼	08/27/15 15:48	08/27/15 17:46	1
1,3-Dichloropropene, Total	ND		9.5	0.90	ug/Kg	☼	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**	**J F1**	19	6.2	ug/Kg	☼	08/27/15 15:48	08/27/15 17:46	1
Benzene	ND	F2	4.8	0.24	ug/Kg	☼	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	☼	08/27/15 15:48	08/27/15 17:46	1
Carbon disulfide	ND	F2	4.8	0.66	ug/Kg	☼	08/27/15 15:48	08/27/15 17:46	1
Carbon tetrachloride	ND	F2	4.8	0.49	ug/Kg	☼	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	☼	08/27/15 15:48	08/27/15 17:46	1
Isobutyl alcohol	ND	F2	190	24	ug/Kg	☼	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	☼	08/27/15 15:48	08/27/15 17:46	1
Styrene	ND	F2	4.8	0.33	ug/Kg	☼	08/27/15 15:48	08/27/15 17:46	1
Tetrachloroethene	ND	F2	4.8	0.30	ug/Kg	☼	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	☼	08/27/15 15:48	08/27/15 17:46	1
Trichloroethene	ND	F2	4.8	0.37	ug/Kg	☼	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	1
Vinyl chloride	ND	F2	4.8	0.41	ug/Kg	☼	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

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	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		370	37	ug/Kg	☼	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	☼	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	☼	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	☼	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	☼	08/31/15 10:17	09/02/15 14:30	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: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	ND		370	37	ug/Kg	☼	08/31/15 10:17	09/02/15 14:30	1
2,4-Dichlorophenol	ND		370	37	ug/Kg	☼	08/31/15 10:17	09/02/15 14:30	1
2,4-Dimethylphenol	ND		370	37	ug/Kg	☼	08/31/15 10:17	09/02/15 14:30	1
2,4-Dinitrophenol	ND		1800	370	ug/Kg	☼	08/31/15 10:17	09/02/15 14:30	1
2,4-Dinitrotoluene	ND		370	37	ug/Kg	☼	08/31/15 10:17	09/02/15 14:30	1
2,6-Dinitrotoluene	ND		370	37	ug/Kg	☼	08/31/15 10:17	09/02/15 14:30	1
2-Chloronaphthalene	ND		370	37	ug/Kg	☼	08/31/15 10:17	09/02/15 14:30	1
2-Chlorophenol	ND		370	37	ug/Kg	☼	08/31/15 10:17	09/02/15 14:30	1
2-Methylnaphthalene	ND	F1	370	37	ug/Kg	☼	08/31/15 10:17	09/02/15 14:30	1
2-Nitroaniline	ND		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	☼	08/31/15 10:17	09/02/15 14:30	1
4-Nitrophenol	ND		1800	370	ug/Kg	☼	08/31/15 10:17	09/02/15 14:30	1
Acenaphthene	ND		370	37	ug/Kg	☼	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	☼	08/31/15 10:17	09/02/15 14:30	1
Benzo[a]anthracene	ND		370	37	ug/Kg	☼	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	☼	08/31/15 10:17	09/02/15 14:30	1
Benzo[k]fluoranthene	ND		370	37	ug/Kg	☼	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	☼	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	1
Fluoranthene	ND		370	37	ug/Kg	☼	08/31/15 10:17	09/02/15 14:30	1
Fluorene	ND		370	37	ug/Kg	☼	08/31/15 10:17	09/02/15 14:30	1
Hexachlorobenzene	ND		370	37	ug/Kg	☼	08/31/15 10:17	09/02/15 14:30	1
Hexachlorobutadiene	ND	F1	370	37	ug/Kg	☼	08/31/15 10:17	09/02/15 14:30	1
Hexachlorocyclopentadiene	ND		1800	370	ug/Kg	☼	08/31/15 10:17	09/02/15 14:30	1
Hexachloroethane	ND		370	37	ug/Kg	☼	08/31/15 10:17	09/02/15 14:30	1
Indeno[1,2,3-cd]pyrene	ND		370	37	ug/Kg	☼	08/31/15 10:17	09/02/15 14:30	1
Isophorone	ND		370	37	ug/Kg	☼	08/31/15 10:17	09/02/15 14:30	1
Naphthalene	ND	F1	370	37	ug/Kg	☼	08/31/15 10:17	09/02/15 14:30	1
Nitrobenzene	ND		370	37	ug/Kg	☼	08/31/15 10:17	09/02/15 14:30	1
N-Nitrosodi-n-propylamine	ND		370	37	ug/Kg	☼	08/31/15 10:17	09/02/15 14:30	1
Pentachlorophenol	ND		740	370	ug/Kg	☼	08/31/15 10:17	09/02/15 14:30	1
Phenanthrene	ND		370	37	ug/Kg	☼	08/31/15 10:17	09/02/15 14:30	1
Phenol	ND		370	37	ug/Kg	☼	08/31/15 10:17	09/02/15 14:30	1
Pyrene	ND		370	37	ug/Kg	☼	08/31/15 10:17	09/02/15 14:30	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: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		370	37	ug/Kg	☼	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*

Method: 8330B - Nitroaromatics and Nitramines (HPLC)

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		4.9	0.34	ug/Kg	☼	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	☼	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	☼	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	☼	08/28/15 15:59	08/28/15 19:39	1
4-Methyl-2-pentanone (MIBK)	ND		20	0.71	ug/Kg	☼	08/28/15 15:59	08/28/15 19:39	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 (Continued)

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	☼	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	☼	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	☼	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	☼	08/28/15 15:59	08/28/15 19:39	1

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 - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		360	37	ug/Kg	☼	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	☼	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 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)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chloronaphthalene	ND		360	37	ug/Kg	☼	08/31/15 10:17	09/02/15 16:08	1
2-Chlorophenol	ND		360	37	ug/Kg	☼	08/31/15 10:17	09/02/15 16:08	1
2-Methylnaphthalene	ND		360	37	ug/Kg	☼	08/31/15 10:17	09/02/15 16:08	1
2-Nitroaniline	ND		360	37	ug/Kg	☼	08/31/15 10:17	09/02/15 16:08	1
3,3'-Dichlorobenzidine	ND		1800	360	ug/Kg	☼	08/31/15 10:17	09/02/15 16:08	1
3-Nitroaniline	ND		360	37	ug/Kg	☼	08/31/15 10:17	09/02/15 16:08	1
4-Nitroaniline	ND		1800	360	ug/Kg	☼	08/31/15 10:17	09/02/15 16:08	1
4-Nitrophenol	ND		1800	360	ug/Kg	☼	08/31/15 10:17	09/02/15 16:08	1
Acenaphthene	ND		360	37	ug/Kg	☼	08/31/15 10:17	09/02/15 16:08	1
Acenaphthylene	ND		360	37	ug/Kg	☼	08/31/15 10:17	09/02/15 16:08	1
Aniline	ND		360	66	ug/Kg	☼	08/31/15 10:17	09/02/15 16:08	1
Anthracene	ND		360	37	ug/Kg	☼	08/31/15 10:17	09/02/15 16:08	1
Benzo[a]anthracene	ND		360	37	ug/Kg	☼	08/31/15 10:17	09/02/15 16:08	1
Benzo[a]pyrene	ND		360	37	ug/Kg	☼	08/31/15 10:17	09/02/15 16:08	1
Benzo[b]fluoranthene	ND		360	37	ug/Kg	☼	08/31/15 10:17	09/02/15 16:08	1
Benzo[k]fluoranthene	ND		360	37	ug/Kg	☼	08/31/15 10:17	09/02/15 16:08	1
bis (2-chloroisopropyl) ether	ND		360	37	ug/Kg	☼	08/31/15 10:17	09/02/15 16:08	1
Bis(2-chloroethyl)ether	ND		360	37	ug/Kg	☼	08/31/15 10:17	09/02/15 16:08	1
Bis(2-ethylhexyl) phthalate	ND		360	50	ug/Kg	☼	08/31/15 10:17	09/02/15 16:08	1
Butyl benzyl phthalate	ND		360	37	ug/Kg	☼	08/31/15 10:17	09/02/15 16:08	1
Chrysene	ND		360	37	ug/Kg	☼	08/31/15 10:17	09/02/15 16:08	1
Dibenz(a,h)anthracene	ND		360	37	ug/Kg	☼	08/31/15 10:17	09/02/15 16:08	1
Dibenzofuran	ND		360	37	ug/Kg	☼	08/31/15 10:17	09/02/15 16:08	1
Diethyl phthalate	ND		360	37	ug/Kg	☼	08/31/15 10:17	09/02/15 16:08	1
Dimethyl phthalate	ND		360	37	ug/Kg	☼	08/31/15 10:17	09/02/15 16:08	1
Di-n-butyl phthalate	ND		360	37	ug/Kg	☼	08/31/15 10:17	09/02/15 16:08	1
Di-n-octyl phthalate	ND		360	37	ug/Kg	☼	08/31/15 10:17	09/02/15 16:08	1
Diphenylamine	ND		360	37	ug/Kg	☼	08/31/15 10:17	09/02/15 16:08	1
Fluoranthene	ND		360	37	ug/Kg	☼	08/31/15 10:17	09/02/15 16:08	1
Fluorene	ND		360	37	ug/Kg	☼	08/31/15 10:17	09/02/15 16:08	1
Hexachlorobenzene	ND		360	37	ug/Kg	☼	08/31/15 10:17	09/02/15 16:08	1
Hexachlorobutadiene	ND		360	37	ug/Kg	☼	08/31/15 10:17	09/02/15 16:08	1
Hexachlorocyclopentadiene	ND		1800	360	ug/Kg	☼	08/31/15 10:17	09/02/15 16:08	1
Hexachloroethane	ND		360	37	ug/Kg	☼	08/31/15 10:17	09/02/15 16:08	1
Indeno[1,2,3-cd]pyrene	ND		360	37	ug/Kg	☼	08/31/15 10:17	09/02/15 16:08	1
Isophorone	ND		360	37	ug/Kg	☼	08/31/15 10:17	09/02/15 16:08	1
Naphthalene	ND		360	37	ug/Kg	☼	08/31/15 10:17	09/02/15 16:08	1
Nitrobenzene	ND		360	37	ug/Kg	☼	08/31/15 10:17	09/02/15 16:08	1
N-Nitrosodi-n-propylamine	ND		360	37	ug/Kg	☼	08/31/15 10:17	09/02/15 16:08	1
Pentachlorophenol	ND		730	360	ug/Kg	☼	08/31/15 10:17	09/02/15 16:08	1
Phenanthrene	ND		360	37	ug/Kg	☼	08/31/15 10:17	09/02/15 16:08	1
Phenol	ND		360	37	ug/Kg	☼	08/31/15 10:17	09/02/15 16:08	1
Pyrene	ND		360	37	ug/Kg	☼	08/31/15 10:17	09/02/15 16:08	1
N-Nitrosodiphenylamine	ND		360	37	ug/Kg	☼	08/31/15 10:17	09/02/15 16:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*84*		*56 - 97*	*08/31/15 10:17*	*09/02/15 16:08*	*1*
2-Fluorophenol (Surr)	*76*		*53 - 97*	*08/31/15 10:17*	*09/02/15 16:08*	*1*
Nitrobenzene-d5 (Surr)	*78*		*55 - 98*	*08/31/15 10:17*	*09/02/15 16:08*	*1*
Phenol-d5 (Surr)	*79*		*54 - 101*	*08/31/15 10:17*	*09/02/15 16:08*	*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*

Method: 8330B - Nitroaromatics and Nitramines (HPLC)

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	ug/Kg		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	ug/Kg		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

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

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	☼	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	☼	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	☼	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 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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		5.1	0.39	ug/Kg	☼	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	☼	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	☼	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	☼	08/28/15 15:59	08/28/15 20:04	1
Methyl tert-butyl ether	ND		5.1	0.49	ug/Kg	☼	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
Toluene	ND		5.1	0.72	ug/Kg	☼	08/28/15 15:59	08/28/15 20:04	1
trans-1,2-Dichloroethene	ND		5.1	0.97	ug/Kg	☼	08/28/15 15:59	08/28/15 20:04	1
Trichloroethene	ND		5.1	0.40	ug/Kg	☼	08/28/15 15:59	08/28/15 20:04	1
Trichlorofluoromethane	ND		5.1	0.51	ug/Kg	☼	08/28/15 15:59	08/28/15 20:04	1
Vinyl chloride	ND		5.1	0.44	ug/Kg	☼	08/28/15 15:59	08/28/15 20:04	1
Xylenes, Total	**2.1**	**J**	10	0.88	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*

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

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	☼	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	☼	08/31/15 10:17	09/02/15 16:40	1
2,6-Dinitrotoluene	ND		400	40	ug/Kg	☼	08/31/15 10:17	09/02/15 16:40	1
2-Chloronaphthalene	ND		400	40	ug/Kg	☼	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	☼	08/31/15 10:17	09/02/15 16:40	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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	ND		1900	400	ug/Kg	☼	08/31/15 10:17	09/02/15 16:40	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	ug/Kg	☼	08/31/15 10:17	09/02/15 16:40	1
Benzo[a]anthracene	ND		400	40	ug/Kg	☼	08/31/15 10:17	09/02/15 16:40	1
Benzo[a]pyrene	ND		400	40	ug/Kg	☼	08/31/15 10:17	09/02/15 16:40	1
Benzo[b]fluoranthene	ND		400	40	ug/Kg	☼	08/31/15 10:17	09/02/15 16:40	1
Benzo[k]fluoranthene	ND		400	40	ug/Kg	☼	08/31/15 10:17	09/02/15 16:40	1
bis (2-chloroisopropyl) ether	ND		400	40	ug/Kg	☼	08/31/15 10:17	09/02/15 16:40	1
Bis(2-chloroethyl)ether	ND		400	40	ug/Kg	☼	08/31/15 10:17	09/02/15 16:40	1
Bis(2-ethylhexyl) phthalate	ND		400	55	ug/Kg	☼	08/31/15 10:17	09/02/15 16:40	1
Butyl benzyl phthalate	ND		400	40	ug/Kg	☼	08/31/15 10:17	09/02/15 16:40	1
Chrysene	ND		400	40	ug/Kg	☼	08/31/15 10:17	09/02/15 16:40	1
Dibenz(a,h)anthracene	ND		400	40	ug/Kg	☼	08/31/15 10:17	09/02/15 16:40	1
Dibenzofuran	ND		400	40	ug/Kg	☼	08/31/15 10:17	09/02/15 16:40	1
Diethyl phthalate	ND		400	40	ug/Kg	☼	08/31/15 10:17	09/02/15 16:40	1
Dimethyl phthalate	ND		400	40	ug/Kg	☼	08/31/15 10:17	09/02/15 16:40	1
Di-n-butyl phthalate	ND		400	40	ug/Kg	☼	08/31/15 10:17	09/02/15 16:40	1
Di-n-octyl phthalate	ND		400	40	ug/Kg	☼	08/31/15 10:17	09/02/15 16:40	1
Diphenylamine	ND		400	40	ug/Kg	☼	08/31/15 10:17	09/02/15 16:40	1
Fluoranthene	ND		400	40	ug/Kg	☼	08/31/15 10:17	09/02/15 16:40	1
Fluorene	ND		400	40	ug/Kg	☼	08/31/15 10:17	09/02/15 16:40	1
Hexachlorobenzene	ND		400	40	ug/Kg	☼	08/31/15 10:17	09/02/15 16:40	1
Hexachlorobutadiene	ND		400	40	ug/Kg	☼	08/31/15 10:17	09/02/15 16:40	1
Hexachlorocyclopentadiene	ND		1900	400	ug/Kg	☼	08/31/15 10:17	09/02/15 16:40	1
Hexachloroethane	ND		400	40	ug/Kg	☼	08/31/15 10:17	09/02/15 16:40	1
Indeno[1,2,3-cd]pyrene	ND		400	40	ug/Kg	☼	08/31/15 10:17	09/02/15 16:40	1
Isophorone	ND		400	40	ug/Kg	☼	08/31/15 10:17	09/02/15 16:40	1
Naphthalene	ND		400	40	ug/Kg	☼	08/31/15 10:17	09/02/15 16:40	1
Nitrobenzene	ND		400	40	ug/Kg	☼	08/31/15 10:17	09/02/15 16:40	1
N-Nitrosodi-n-propylamine	ND		400	40	ug/Kg	☼	08/31/15 10:17	09/02/15 16:40	1
Pentachlorophenol	ND		800	400	ug/Kg	☼	08/31/15 10:17	09/02/15 16:40	1
Phenanthrene	ND		400	40	ug/Kg	☼	08/31/15 10:17	09/02/15 16:40	1
Phenol	ND		400	40	ug/Kg	☼	08/31/15 10:17	09/02/15 16:40	1
Pyrene	ND		400	40	ug/Kg	☼	08/31/15 10:17	09/02/15 16:40	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 - 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 08:40	08/29/15 21:27	1
1,3-Dinitrobenzene	ND		230	40	ug/Kg		08/24/15 08:40	08/29/15 21:27	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

Method: 8330B - Nitroaromatics and Nitramines (HPLC) (Continued)

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 Organic Compounds by GC/MS

Analyte	Result	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	☼	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	☼	08/28/15 15:59	08/28/15 20:30	1
1,1-Dichloroethene	ND		4.5	1.4	ug/Kg	☼	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	☼	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	☼	08/28/15 15:59	08/28/15 20:30	1
Ethylbenzene	ND		4.5	0.27	ug/Kg	☼	08/28/15 15:59	08/28/15 20:30	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 Organic Compounds by GC/MS (Continued)

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	☼	08/28/15 15:59	08/28/15 20:30	1
Trichloroethene	ND		4.5	0.35	ug/Kg	☼	08/28/15 15:59	08/28/15 20:30	1
Trichlorofluoromethane	ND		4.5	0.45	ug/Kg	☼	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*		*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*

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

Analyte	Result	Qualifier	RL	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	☼	08/31/15 10:17	09/02/15 17:13	1
1,2-Dichlorobenzene	ND		390	39	ug/Kg	☼	08/31/15 10:17	09/02/15 17:13	1
1,3-Dichlorobenzene	ND		390	39	ug/Kg	☼	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	☼	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	39	ug/Kg	☼	08/31/15 10:17	09/02/15 17:13	1
Aniline	ND		390	71	ug/Kg	☼	08/31/15 10:17	09/02/15 17:13	1
Anthracene	ND		390	39	ug/Kg	☼	08/31/15 10:17	09/02/15 17:13	1
Benzo[a]anthracene	ND		390	39	ug/Kg	☼	08/31/15 10:17	09/02/15 17:13	1
Benzo[a]pyrene	ND		390	39	ug/Kg	☼	08/31/15 10:17	09/02/15 17:13	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 - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	ND		390	39	ug/Kg	☼	08/31/15 10:17	09/02/15 17:13	1
Benzo[k]fluoranthene	ND		390	39	ug/Kg	☼	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	1
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	☼	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	☼	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	ug/Kg	☼	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	1
Di-n-octyl phthalate	ND		390	39	ug/Kg	☼	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	☼	08/31/15 10:17	09/02/15 17:13	1
Fluorene	ND		390	39	ug/Kg	☼	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	ug/Kg	☼	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	ug/Kg	☼	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*

Method: 8330B - Nitroaromatics and Nitramines (HPLC)

Analyte	Result	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 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: 8330B - Nitroaromatics and Nitramines (HPLC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitroglycerin	ND		1100	240	ug/Kg		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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		4.1	0.29	ug/Kg	☼	08/28/15 15:59	08/28/15 20:55	1
1,1,1-Trichloroethane	ND		4.1	0.35	ug/Kg	☼	08/28/15 15:59	08/28/15 20:55	1
1,1,2,2-Tetrachloroethane	ND		4.1	0.33	ug/Kg	☼	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	ug/Kg	☼	08/28/15 15:59	08/28/15 20:55	1
1,1-Dichloroethene	ND		4.1	1.3	ug/Kg	☼	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	☼	08/28/15 15:59	08/28/15 20:55	1
1,3-Dichloropropene, Total	ND		8.2	0.77	ug/Kg	☼	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	0.30	ug/Kg	☼	08/28/15 15:59	08/28/15 20:55	1
Bromomethane	ND		8.2	0.90	ug/Kg	☼	08/28/15 15:59	08/28/15 20:55	1
Carbon disulfide	ND		4.1	0.56	ug/Kg	☼	08/28/15 15:59	08/28/15 20:55	1
Carbon tetrachloride	ND		4.1	0.42	ug/Kg	☼	08/28/15 15:59	08/28/15 20:55	1
Chlorobenzene	ND		4.1	0.31	ug/Kg	☼	08/28/15 15:59	08/28/15 20:55	1
Chlorodibromomethane	ND		4.1	0.33	ug/Kg	☼	08/28/15 15:59	08/28/15 20:55	1
Chloroethane	ND		8.2	0.42	ug/Kg	☼	08/28/15 15:59	08/28/15 20:55	1
Chloroform	ND		4.1	0.31	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	0.49	ug/Kg	☼	08/28/15 15:59	08/28/15 20:55	1
Ethylbenzene	ND		4.1	0.24	ug/Kg	☼	08/28/15 15:59	08/28/15 20:55	1
Hexachlorobutadiene	ND		4.1	0.55	ug/Kg	☼	08/28/15 15:59	08/28/15 20:55	1
Isobutyl alcohol	ND		160	21	ug/Kg	☼	08/28/15 15:59	08/28/15 20:55	1
Methyl tert-butyl ether	ND		4.1	0.39	ug/Kg	☼	08/28/15 15:59	08/28/15 20:55	1
Methylene Chloride	ND		4.1	1.3	ug/Kg	☼	08/28/15 15:59	08/28/15 20:55	1
Styrene	ND		4.1	0.29	ug/Kg	☼	08/28/15 15:59	08/28/15 20:55	1
Tetrachloroethene	ND		4.1	0.26	ug/Kg	☼	08/28/15 15:59	08/28/15 20:55	1
Toluene	ND		4.1	0.57	ug/Kg	☼	08/28/15 15:59	08/28/15 20:55	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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		4.1	0.77	ug/Kg	☼	08/28/15 15:59	08/28/15 20:55	1
Trichloroethene	ND		4.1	0.32	ug/Kg	☼	08/28/15 15:59	08/28/15 20:55	1
Trichlorofluoromethane	ND		4.1	0.41	ug/Kg	☼	08/28/15 15:59	08/28/15 20:55	1
Vinyl chloride	ND		4.1	0.35	ug/Kg	☼	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*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		380	38	ug/Kg	☼	08/31/15 10:17	09/02/15 17:46	1
1,2,4,5-Tetrachlorobenzene	ND		380	38	ug/Kg	☼	08/31/15 10:17	09/02/15 17:46	1
1,2,4-Trichlorobenzene	ND		380	38	ug/Kg	☼	08/31/15 10:17	09/02/15 17:46	1
1,2-Dichlorobenzene	ND		380	38	ug/Kg	☼	08/31/15 10:17	09/02/15 17:46	1
1,3-Dichlorobenzene	ND		380	38	ug/Kg	☼	08/31/15 10:17	09/02/15 17:46	1
1,3-Dinitrobenzene	ND		380	38	ug/Kg	☼	08/31/15 10:17	09/02/15 17:46	1
1,4-Dichlorobenzene	ND		380	38	ug/Kg	☼	08/31/15 10:17	09/02/15 17:46	1
2,3,4,6-Tetrachlorophenol	ND		1800	38	ug/Kg	☼	08/31/15 10:17	09/02/15 17:46	1
2,4,5-Trichlorophenol	ND		380	38	ug/Kg	☼	08/31/15 10:17	09/02/15 17:46	1
2,4,6-Trichlorophenol	ND		380	38	ug/Kg	☼	08/31/15 10:17	09/02/15 17:46	1
2,4-Dichlorophenol	ND		380	38	ug/Kg	☼	08/31/15 10:17	09/02/15 17:46	1
2,4-Dimethylphenol	ND		380	38	ug/Kg	☼	08/31/15 10:17	09/02/15 17:46	1
2,4-Dinitrophenol	ND		1800	380	ug/Kg	☼	08/31/15 10:17	09/02/15 17:46	1
2,4-Dinitrotoluene	ND		380	38	ug/Kg	☼	08/31/15 10:17	09/02/15 17:46	1
2,6-Dinitrotoluene	ND		380	38	ug/Kg	☼	08/31/15 10:17	09/02/15 17:46	1
2-Chloronaphthalene	ND		380	38	ug/Kg	☼	08/31/15 10:17	09/02/15 17:46	1
2-Chlorophenol	ND		380	38	ug/Kg	☼	08/31/15 10:17	09/02/15 17:46	1
2-Methylnaphthalene	ND		380	38	ug/Kg	☼	08/31/15 10:17	09/02/15 17:46	1
2-Nitroaniline	ND		380	38	ug/Kg	☼	08/31/15 10:17	09/02/15 17:46	1
3,3'-Dichlorobenzidine	ND		1800	380	ug/Kg	☼	08/31/15 10:17	09/02/15 17:46	1
3-Nitroaniline	ND		380	38	ug/Kg	☼	08/31/15 10:17	09/02/15 17:46	1
4-Nitroaniline	ND		1800	380	ug/Kg	☼	08/31/15 10:17	09/02/15 17:46	1
4-Nitrophenol	ND		1800	380	ug/Kg	☼	08/31/15 10:17	09/02/15 17:46	1
Acenaphthene	ND		380	38	ug/Kg	☼	08/31/15 10:17	09/02/15 17:46	1
Acenaphthylene	ND		380	38	ug/Kg	☼	08/31/15 10:17	09/02/15 17:46	1
Aniline	ND		380	69	ug/Kg	☼	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	09/02/15 17:46	1
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	09/02/15 17:46	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	☼	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	09/02/15 17:46	1
Butyl benzyl phthalate	ND		380	38	ug/Kg	☼	08/31/15 10:17	09/02/15 17:46	1
Chrysene	ND		380	38	ug/Kg	☼	08/31/15 10:17	09/02/15 17:46	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

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

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*

Method: 8330B - Nitroaromatics and Nitramines (HPLC)

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 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 Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	6.7	ug/L			08/24/15 17:23	1
Benzene	ND		5.0	0.25	ug/L			08/24/15 17:23	1
Bromoform	ND		5.0	0.37	ug/L			08/24/15 17:23	1
Bromodichloromethane	ND		5.0	0.25	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	0.39	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	0.18	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	0.25	ug/L			08/24/15 17:23	1
Isobutyl alcohol	ND		200	7.3	ug/L			08/24/15 17:23	1
Methylene Chloride	ND		5.0	1.7	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	0.22	ug/L			08/24/15 17:23	1
Trichloroethene	ND		5.0	0.29	ug/L			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	0.25	ug/L			08/24/15 17:23	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	ug/L			08/24/15 17:23	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/L			08/24/15 17:23	1
Styrene	ND		5.0	0.35	ug/L			08/24/15 17:23	1
Tetrachloroethene	ND		5.0	0.28	ug/L			08/24/15 17:23	1
Toluene	ND		5.0	1.0	ug/L			08/24/15 17:23	1
Xylenes, Total	ND		10	0.85	ug/L			08/24/15 17:23	1
1,3-Dichloropropene, Total	ND		10	0.69	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 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

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

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 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	1
2,4-Dinitrophenol	ND	*	52	2.1	ug/L		08/21/15 12:20	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	1
2,6-Dinitrotoluene	ND		10	2.2	ug/L		08/21/15 12:20	08/28/15 09:14	1
2-Chloronaphthalene	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 09:14	1
2-Chlorophenol	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 09:14	1
2-Methylnaphthalene	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 09:14	1
2-Nitroaniline	ND		10	1.1	ug/L		08/21/15 12:20	08/28/15 09:14	1
3,3'-Dichlorobenzidine	ND		52	1.3	ug/L		08/21/15 12:20	08/28/15 09:14	1
3-Nitroaniline	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 09:14	1
4-Nitroaniline	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 09:14	1
4-Nitrophenol	ND		10	2.1	ug/L		08/21/15 12:20	08/28/15 09:14	1
Acenaphthene	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 09:14	1
Acenaphthylene	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 09:14	1
Aniline	ND		10	1.3	ug/L		08/21/15 12:20	08/28/15 09:14	1
Anthracene	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 09:14	1
Benzo[a]anthracene	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 09:14	1
Benzo[a]pyrene	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 09:14	1
Benzo[b]fluoranthene	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 09:14	1
Benzo[k]fluoranthene	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 09:14	1
Bis(2-chloroethyl)ether	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 09:14	1
Bis(2-ethylhexyl) phthalate	ND		10	1.9	ug/L		08/21/15 12:20	08/28/15 09:14	1
Butyl benzyl phthalate	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 09:14	1
Chrysene	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 09:14	1
Di-n-butyl phthalate	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 09:14	1
Di-n-octyl phthalate	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 09:14	1
Dibenz(a,h)anthracene	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 09:14	1
Dibenzofuran	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 09:14	1
Diethyl phthalate	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 09:14	1
Dimethyl phthalate	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 09:14	1
Fluoranthene	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 09:14	1
Fluorene	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 09:14	1

Client Sample ID: 2015 08 17 FIELD BLANK

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

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

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*

Method: 8330B - Nitroaromatics and Nitramines (HPLC)

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 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: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	6.7	ug/L			08/24/15 18:00	1
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	1
Bromodichloromethane	ND		5.0	0.25	ug/L			08/24/15 18:00	1
Bromomethane	ND		10	0.40	ug/L			08/24/15 18:00	1
2-Butanone (MEK)	ND		20	0.39	ug/L			08/24/15 18:00	1
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	1
Chlorobenzene	ND		5.0	0.38	ug/L			08/24/15 18:00	1
Chlorodibromomethane	ND		5.0	0.33	ug/L			08/24/15 18:00	1
Chloroethane	ND		10	0.38	ug/L			08/24/15 18:00	1
Chloroform	ND		5.0	0.15	ug/L			08/24/15 18:00	1
Chloromethane	ND		10	0.55	ug/L			08/24/15 18:00	1
1,2-Dibromo-3-Chloropropane	ND		10	1.2	ug/L			08/24/15 18:00	1
1,1-Dichloroethane	ND		5.0	0.39	ug/L			08/24/15 18:00	1
1,2-Dichloroethane	ND		5.0	0.37	ug/L			08/24/15 18:00	1
cis-1,2-Dichloroethene	ND		5.0	0.16	ug/L			08/24/15 18:00	1
trans-1,2-Dichloroethene	ND		5.0	0.18	ug/L			08/24/15 18:00	1
1,1-Dichloroethene	ND		5.0	0.37	ug/L			08/24/15 18:00	1
1,2-Dichloropropane	ND		5.0	0.32	ug/L			08/24/15 18:00	1
Ethylbenzene	ND		5.0	0.30	ug/L			08/24/15 18:00	1
Hexachlorobutadiene	ND		5.0	0.25	ug/L			08/24/15 18:00	1
Isobutyl alcohol	ND		200	7.3	ug/L			08/24/15 18:00	1
Methylene Chloride	ND		5.0	1.7	ug/L			08/24/15 18:00	1
4-Methyl-2-pentanone (MIBK)	ND		20	0.33	ug/L			08/24/15 18:00	1
Methyl tert-butyl ether	ND		5.0	0.40	ug/L			08/24/15 18:00	1
Trichlorofluoromethane	ND		5.0	0.22	ug/L			08/24/15 18:00	1
Trichloroethene	**1.0**	**J B**	5.0	0.29	ug/L			08/24/15 18:00	1
1,1,1-Trichloroethane	ND		5.0	0.29	ug/L			08/24/15 18:00	1
Vinyl chloride	ND		5.0	0.43	ug/L			08/24/15 18:00	1
1,1,1,2-Tetrachloroethane	ND		5.0	0.25	ug/L			08/24/15 18:00	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	ug/L			08/24/15 18:00	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/L			08/24/15 18:00	1
Styrene	ND		5.0	0.35	ug/L			08/24/15 18:00	1
Tetrachloroethene	ND		5.0	0.28	ug/L			08/24/15 18:00	1
Toluene	ND		5.0	1.0	ug/L			08/24/15 18:00	1
Xylenes, Total	ND		10	0.85	ug/L			08/24/15 18:00	1
1,3-Dichloropropene, Total	ND		10	0.69	ug/L			08/24/15 18:00	1

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 - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		11	1.1	ug/L		08/21/15 12:20	08/28/15 09:47	1
1,2,4,5-Tetrachlorobenzene	ND		11	1.1	ug/L		08/21/15 12:20	08/28/15 09:47	1
1,2,4-Trichlorobenzene	ND		11	1.1	ug/L		08/21/15 12:20	08/28/15 09:47	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)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		11	1.1	ug/L		08/21/15 12:20	08/28/15 09:47	1
1,3-Dichlorobenzene	ND		11	1.1	ug/L		08/21/15 12:20	08/28/15 09:47	1
1,3-Dinitrobenzene	ND		11	1.1	ug/L		08/21/15 12:20	08/28/15 09:47	1
1,4-Dichlorobenzene	ND		11	1.1	ug/L		08/21/15 12:20	08/28/15 09:47	1
bis (2-chloroisopropyl) ether	ND		11	1.1	ug/L		08/21/15 12:20	08/28/15 09:47	1
2,3,4,6-Tetrachlorophenol	ND		53	1.1	ug/L		08/21/15 12:20	08/28/15 09:47	1
2,4,5-Trichlorophenol	ND		11	1.1	ug/L		08/21/15 12:20	08/28/15 09:47	1
2,4,6-Trichlorophenol	ND		11	1.1	ug/L		08/21/15 12:20	08/28/15 09:47	1
2,4-Dichlorophenol	ND		11	1.1	ug/L		08/21/15 12:20	08/28/15 09:47	1
2,4-Dimethylphenol	ND		11	1.1	ug/L		08/21/15 12:20	08/28/15 09:47	1
2,4-Dinitrophenol	ND	*	53	2.1	ug/L		08/21/15 12:20	08/28/15 09:47	1
2,4-Dinitrotoluene	ND		11	1.1	ug/L		08/21/15 12:20	08/28/15 09:47	1
2,6-Dinitrotoluene	ND		11	2.3	ug/L		08/21/15 12:20	08/28/15 09:47	1
2-Chloronaphthalene	ND		11	1.1	ug/L		08/21/15 12:20	08/28/15 09:47	1
2-Chlorophenol	ND		11	1.1	ug/L		08/21/15 12:20	08/28/15 09:47	1
2-Methylnaphthalene	ND		11	1.1	ug/L		08/21/15 12:20	08/28/15 09:47	1
2-Nitroaniline	ND		11	1.2	ug/L		08/21/15 12:20	08/28/15 09:47	1
3,3'-Dichlorobenzidine	ND		53	1.4	ug/L		08/21/15 12:20	08/28/15 09:47	1
3-Nitroaniline	ND		11	1.1	ug/L		08/21/15 12:20	08/28/15 09:47	1
4-Nitroaniline	ND		11	1.1	ug/L		08/21/15 12:20	08/28/15 09:47	1
4-Nitrophenol	ND		11	2.1	ug/L		08/21/15 12:20	08/28/15 09:47	1
Acenaphthene	ND		11	1.1	ug/L		08/21/15 12:20	08/28/15 09:47	1
Acenaphthylene	ND		11	1.1	ug/L		08/21/15 12:20	08/28/15 09:47	1
Aniline	ND		11	1.4	ug/L		08/21/15 12:20	08/28/15 09:47	1
Anthracene	ND		11	1.1	ug/L		08/21/15 12:20	08/28/15 09:47	1
Benzo[a]anthracene	ND		11	1.1	ug/L		08/21/15 12:20	08/28/15 09:47	1
Benzo[a]pyrene	ND		11	1.1	ug/L		08/21/15 12:20	08/28/15 09:47	1
Benzo[b]fluoranthene	ND		11	1.1	ug/L		08/21/15 12:20	08/28/15 09:47	1
Benzo[k]fluoranthene	ND		11	1.1	ug/L		08/21/15 12:20	08/28/15 09:47	1
Bis(2-chloroethyl)ether	ND		11	1.1	ug/L		08/21/15 12:20	08/28/15 09:47	1
Bis(2-ethylhexyl) phthalate	ND		11	2.0	ug/L		08/21/15 12:20	08/28/15 09:47	1
Butyl benzyl phthalate	ND		11	1.1	ug/L		08/21/15 12:20	08/28/15 09:47	1
Chrysene	ND		11	1.1	ug/L		08/21/15 12:20	08/28/15 09:47	1
Di-n-butyl phthalate	ND		11	1.1	ug/L		08/21/15 12:20	08/28/15 09:47	1
Di-n-octyl phthalate	ND		11	1.1	ug/L		08/21/15 12:20	08/28/15 09:47	1
Dibenz(a,h)anthracene	ND		11	1.1	ug/L		08/21/15 12:20	08/28/15 09:47	1
Dibenzofuran	ND		11	1.1	ug/L		08/21/15 12:20	08/28/15 09:47	1
Diethyl phthalate	ND		11	1.1	ug/L		08/21/15 12:20	08/28/15 09:47	1
Dimethyl phthalate	ND		11	1.1	ug/L		08/21/15 12:20	08/28/15 09:47	1
Fluoranthene	ND		11	1.1	ug/L		08/21/15 12:20	08/28/15 09:47	1
Fluorene	ND		11	1.1	ug/L		08/21/15 12:20	08/28/15 09:47	1
Hexachlorobutadiene	ND		11	1.1	ug/L		08/21/15 12:20	08/28/15 09:47	1
Hexachlorobenzene	ND		11	1.1	ug/L		08/21/15 12:20	08/28/15 09:47	1
Hexachlorocyclopentadiene	ND	*	11	1.1	ug/L		08/21/15 12:20	08/28/15 09:47	1
Hexachloroethane	ND		11	1.1	ug/L		08/21/15 12:20	08/28/15 09:47	1
Indeno[1,2,3-cd]pyrene	ND		11	1.1	ug/L		08/21/15 12:20	08/28/15 09:47	1
Isophorone	ND		11	1.1	ug/L		08/21/15 12:20	08/28/15 09:47	1
N-Nitrosodi-n-propylamine	ND		11	1.6	ug/L		08/21/15 12:20	08/28/15 09:47	1
Naphthalene	ND		11	1.1	ug/L		08/21/15 12:20	08/28/15 09:47	1

Client Sample ID: 2015 08 17 EQUIP BLANK

Lab Sample ID: 160-13469-29
Matrix: Water
Date Collected: 08/17/15 12:30
Date Received: 08/20/15 09:15

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

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*
2,4,6-Tribromophenol (Surr)	*81*		*37 - 120*	*08/21/15 12:20*	*08/28/15 09:47*	*1*
2-Fluorobiphenyl (Surr)	*63*		*43 - 108*	*08/21/15 12:20*	*08/28/15 09:47*	*1*
2-Fluorophenol (Surr)	*31*		*15 - 59*	*08/21/15 12:20*	*08/28/15 09:47*	*1*
Nitrobenzene-d5 (Surr)	*66*		*50 - 101*	*08/21/15 12:20*	*08/28/15 09:47*	*1*
Phenol-d5 (Surr)	*21*		*10 - 50*	*08/21/15 12:20*	*08/28/15 09:47*	*1*
Terphenyl-d14 (Surr)	*68*		*21 - 97*	*08/21/15 12:20*	*08/28/15 09:47*	*1*

Method: 8330B - Nitroaromatics and Nitramines (HPLC)

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 01:28	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

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

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

Analyte	Result	Qualifier	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 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 - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	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	0.32	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	ug/L			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**	**J B**	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 - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		9.9	0.99	ug/L		08/21/15 12:20	08/28/15 10:19	1
1,2,4,5-Tetrachlorobenzene	ND		9.9	0.99	ug/L		08/21/15 12:20	08/28/15 10:19	1
1,2,4-Trichlorobenzene	ND		9.9	0.99	ug/L		08/21/15 12:20	08/28/15 10:19	1
1,2-Dichlorobenzene	ND		9.9	0.99	ug/L		08/21/15 12:20	08/28/15 10:19	1
1,3-Dichlorobenzene	ND		9.9	0.99	ug/L		08/21/15 12:20	08/28/15 10:19	1
1,3-Dinitrobenzene	ND		9.9	0.99	ug/L		08/21/15 12:20	08/28/15 10:19	1
1,4-Dichlorobenzene	ND		9.9	0.99	ug/L		08/21/15 12:20	08/28/15 10:19	1
bis (2-chloroisopropyl) ether	ND		9.9	0.99	ug/L		08/21/15 12:20	08/28/15 10:19	1
2,3,4,6-Tetrachlorophenol	ND		50	0.99	ug/L		08/21/15 12:20	08/28/15 10:19	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: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		9.9	0.99	ug/L		08/21/15 12:20	08/28/15 10:19	1
2,4,6-Trichlorophenol	ND		9.9	0.99	ug/L		08/21/15 12:20	08/28/15 10:19	1
2,4-Dichlorophenol	ND		9.9	0.99	ug/L		08/21/15 12:20	08/28/15 10:19	1
2,4-Dimethylphenol	ND		9.9	0.99	ug/L		08/21/15 12:20	08/28/15 10:19	1
2,4-Dinitrophenol	ND	*	50	2.0	ug/L		08/21/15 12:20	08/28/15 10:19	1
2,4-Dinitrotoluene	ND		9.9	0.99	ug/L		08/21/15 12:20	08/28/15 10:19	1
2,6-Dinitrotoluene	ND		9.9	2.1	ug/L		08/21/15 12:20	08/28/15 10:19	1
2-Chloronaphthalene	ND		9.9	0.99	ug/L		08/21/15 12:20	08/28/15 10:19	1
2-Chlorophenol	ND		9.9	0.99	ug/L		08/21/15 12:20	08/28/15 10:19	1
2-Methylnaphthalene	ND		9.9	0.99	ug/L		08/21/15 12:20	08/28/15 10:19	1
2-Nitroaniline	ND		9.9	1.1	ug/L		08/21/15 12:20	08/28/15 10:19	1
3,3'-Dichlorobenzidine	ND		50	1.3	ug/L		08/21/15 12:20	08/28/15 10:19	1
3-Nitroaniline	ND		9.9	0.99	ug/L		08/21/15 12:20	08/28/15 10:19	1
4-Nitroaniline	ND		9.9	0.99	ug/L		08/21/15 12:20	08/28/15 10:19	1
4-Nitrophenol	ND		9.9	2.0	ug/L		08/21/15 12:20	08/28/15 10:19	1
Acenaphthene	ND		9.9	0.99	ug/L		08/21/15 12:20	08/28/15 10:19	1
Acenaphthylene	ND		9.9	0.99	ug/L		08/21/15 12:20	08/28/15 10:19	1
Aniline	ND		9.9	1.3	ug/L		08/21/15 12:20	08/28/15 10:19	1
Anthracene	ND		9.9	0.99	ug/L		08/21/15 12:20	08/28/15 10:19	1
Benzo[a]anthracene	ND		9.9	0.99	ug/L		08/21/15 12:20	08/28/15 10:19	1
Benzo[a]pyrene	ND		9.9	0.99	ug/L		08/21/15 12:20	08/28/15 10:19	1
Benzo[b]fluoranthene	ND		9.9	0.99	ug/L		08/21/15 12:20	08/28/15 10:19	1
Benzo[k]fluoranthene	ND		9.9	0.99	ug/L		08/21/15 12:20	08/28/15 10:19	1
Bis(2-chloroethyl)ether	ND		9.9	0.99	ug/L		08/21/15 12:20	08/28/15 10:19	1
Bis(2-ethylhexyl) phthalate	ND		9.9	1.8	ug/L		08/21/15 12:20	08/28/15 10:19	1
Butyl benzyl phthalate	ND		9.9	0.99	ug/L		08/21/15 12:20	08/28/15 10:19	1
Chrysene	ND		9.9	0.99	ug/L		08/21/15 12:20	08/28/15 10:19	1
Di-n-butyl phthalate	ND		9.9	0.99	ug/L		08/21/15 12:20	08/28/15 10:19	1
Di-n-octyl phthalate	ND		9.9	0.99	ug/L		08/21/15 12:20	08/28/15 10:19	1
Dibenz(a,h)anthracene	ND		9.9	0.99	ug/L		08/21/15 12:20	08/28/15 10:19	1
Dibenzofuran	ND		9.9	0.99	ug/L		08/21/15 12:20	08/28/15 10:19	1
Diethyl phthalate	ND		9.9	0.99	ug/L		08/21/15 12:20	08/28/15 10:19	1
Dimethyl phthalate	ND		9.9	0.99	ug/L		08/21/15 12:20	08/28/15 10:19	1
Fluoranthene	ND		9.9	0.99	ug/L		08/21/15 12:20	08/28/15 10:19	1
Fluorene	ND		9.9	0.99	ug/L		08/21/15 12:20	08/28/15 10:19	1
Hexachlorobutadiene	ND		9.9	0.99	ug/L		08/21/15 12:20	08/28/15 10:19	1
Hexachlorobenzene	ND		9.9	0.99	ug/L		08/21/15 12:20	08/28/15 10:19	1
Hexachlorocyclopentadiene	ND	*	9.9	0.99	ug/L		08/21/15 12:20	08/28/15 10:19	1
Hexachloroethane	ND		9.9	0.99	ug/L		08/21/15 12:20	08/28/15 10:19	1
Indeno[1,2,3-cd]pyrene	ND		9.9	0.99	ug/L		08/21/15 12:20	08/28/15 10:19	1
Isophorone	ND		9.9	0.99	ug/L		08/21/15 12:20	08/28/15 10:19	1
N-Nitrosodi-n-propylamine	ND		9.9	1.5	ug/L		08/21/15 12:20	08/28/15 10:19	1
Naphthalene	ND		9.9	0.99	ug/L		08/21/15 12:20	08/28/15 10:19	1
Nitrobenzene	ND		9.9	0.99	ug/L		08/21/15 12:20	08/28/15 10:19	1
Pentachlorophenol	ND		9.9	1.3	ug/L		08/21/15 12:20	08/28/15 10:19	1
Phenanthrene	ND		9.9	0.99	ug/L		08/21/15 12:20	08/28/15 10:19	1
Phenol	ND		9.9	2.0	ug/L		08/21/15 12:20	08/28/15 10:19	1
Pyrene	ND		9.9	0.99	ug/L		08/21/15 12:20	08/28/15 10:19	1
Diphenylamine	ND		9.9	0.99	ug/L		08/21/15 12:20	08/28/15 10:19	1

Client Sample ID: 2015 08 18 FIELD BLANK

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

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

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-Fluorophenol (Surr)	28		15 - 59	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	1
Terphenyl-d14 (Surr)	65		21 - 97	08/21/15 12:20	08/28/15 10:19	1

Method: 8330B - Nitroaromatics and Nitramines (HPLC)

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*
1,2-Dinitrobenzene (Surr)	96		81 - 113	08/21/15 11:01	08/28/15 01:51	1

Client Sample ID: 2015 08 18 EQUIP BLANK

Lab Sample ID: 160-13469-31
Matrix: Water
Date Collected: 08/18/15 08:00
Date Received: 08/20/15 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	6.7	ug/L			08/24/15 18:51	1
Benzene	ND		5.0	0.25	ug/L			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 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

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

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**	**J B**	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*
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 Organic Compounds (GC/MS)

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 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 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

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

Analyte	Result	Qualifier	RL	MDL	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		08/21/15 12:20	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	ug/L		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	ug/L		08/21/15 12:20	08/28/15 10:52	1
Acenaphthylene	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 10:52	1
Aniline	ND		10	1.3	ug/L		08/21/15 12:20	08/28/15 10:52	1
Anthracene	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 10:52	1
Benzo[a]anthracene	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 10:52	1
Benzo[a]pyrene	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 10:52	1
Benzo[b]fluoranthene	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 10:52	1
Benzo[k]fluoranthene	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 10:52	1
Bis(2-chloroethyl)ether	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 10:52	1
Bis(2-ethylhexyl) phthalate	ND		10	1.9	ug/L		08/21/15 12:20	08/28/15 10:52	1
Butyl benzyl phthalate	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 10:52	1
Chrysene	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 10:52	1
Di-n-butyl phthalate	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 10:52	1
Di-n-octyl phthalate	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 10:52	1
Dibenz(a,h)anthracene	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 10:52	1
Dibenzofuran	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 10:52	1
Diethyl phthalate	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 10:52	1
Dimethyl phthalate	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 10:52	1
Fluoranthene	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 10:52	1
Fluorene	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 10:52	1
Hexachlorobutadiene	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 10:52	1
Hexachlorobenzene	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 10:52	1
Hexachlorocyclopentadiene	ND	*	10	1.0	ug/L		08/21/15 12:20	08/28/15 10:52	1
Hexachloroethane	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 10:52	1
Indeno[1,2,3-cd]pyrene	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 10:52	1
Isophorone	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 10:52	1
N-Nitrosodi-n-propylamine	ND		10	1.6	ug/L		08/21/15 12:20	08/28/15 10:52	1
Naphthalene	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 10:52	1
Nitrobenzene	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 10:52	1
Pentachlorophenol	ND		10	1.3	ug/L		08/21/15 12:20	08/28/15 10:52	1
Phenanthrene	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 10:52	1
Phenol	ND		10	2.1	ug/L		08/21/15 12:20	08/28/15 10:52	1
Pyrene	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 10:52	1
Diphenylamine	ND		10	1.0	ug/L		08/21/15 12:20	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*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*89*		*37 - 120*	*08/21/15 12:20*	*08/28/15 10:52*	*1*
2-Fluorobiphenyl (Surr)	*70*		*43 - 108*	*08/21/15 12:20*	*08/28/15 10:52*	*1*
2-Fluorophenol (Surr)	*34*		*15 - 59*	*08/21/15 12:20*	*08/28/15 10:52*	*1*
Nitrobenzene-d5 (Surr)	*72*		*50 - 101*	*08/21/15 12:20*	*08/28/15 10:52*	*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

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	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 02:14	1
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	1
2,4-Dinitrotoluene	ND		0.20	0.081	ug/L		08/21/15 11:01	08/28/15 02:14	1
2,6-Dinitrotoluene	ND		0.20	0.13	ug/L		08/21/15 11:01	08/28/15 02:14	1
2-Amino-4,6-dinitrotoluene	ND		0.20	0.12	ug/L		08/21/15 11:01	08/28/15 02:14	1
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	1
Nitrobenzene	ND		0.20	0.082	ug/L		08/21/15 11:01	08/28/15 02:14	1
Nitroglycerin	ND		1.0	0.54	ug/L		08/21/15 11:01	08/28/15 02:14	1
2-Nitrotoluene	ND		0.50	0.095	ug/L		08/21/15 11:01	08/28/15 02:14	1
4-Nitrotoluene	ND		0.50	0.14	ug/L		08/21/15 11:01	08/28/15 02:14	1
PETN	ND		2.0	0.61	ug/L		08/21/15 11:01	08/28/15 02:14	1
RDX	ND		0.20	0.094	ug/L		08/21/15 11:01	08/28/15 02:14	1
HMX	ND	*	0.20	0.11	ug/L		08/21/15 11:01	08/28/15 02:14	1
Tetryl	ND		0.20	0.059	ug/L		08/21/15 11:01	08/28/15 02:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dinitrobenzene (Surr)	*100*		*81 - 113*	*08/21/15 11:01*	*08/28/15 02:14*	*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

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

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	☼	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	☼	08/28/15 15:59	08/28/15 21:21	1
Benzene	ND		4.3	0.21	ug/Kg	☼	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	☼	08/28/15 15:59	08/28/15 21:21	1
Carbon disulfide	ND		4.3	0.59	ug/Kg	☼	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

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		4.3	0.32	ug/Kg	☼	08/28/15 15:59	08/28/15 21:21	1
Chlorodibromomethane	ND		4.3	0.35	ug/Kg	☼	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	☼	08/28/15 15:59	08/28/15 21:21	1
Chloromethane	ND		8.5	0.55	ug/Kg	☼	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	☼	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	☼	08/28/15 15:59	08/28/15 21:21	1
Tetrachloroethene	ND		4.3	0.27	ug/Kg	☼	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	☼	08/28/15 15:59	08/28/15 21:21	1
Trichloroethene	ND		4.3	0.33	ug/Kg	☼	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*
4-Bromofluorobenzene (Surr)	*98*		*63 - 150*	*08/28/15 15:59*	*08/28/15 21:21*	*1*
Dibromofluoromethane (Surr)	*97*		*70 - 126*	*08/28/15 15:59*	*08/28/15 21:21*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*	*08/28/15 15:59*	*08/28/15 21:21*	*1*

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

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 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	☼	08/31/15 10:17	09/02/15 18:19	1
1,3-Dinitrobenzene	ND		410	41	ug/Kg	☼	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	☼	08/31/15 10:17	09/02/15 18:19	1
2,4-Dichlorophenol	ND		410	41	ug/Kg	☼	08/31/15 10:17	09/02/15 18:19	1
2,4-Dimethylphenol	ND		410	41	ug/Kg	☼	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	☼	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	☼	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 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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	ND		2000	410	ug/Kg	☼	08/31/15 10:17	09/02/15 18:19	1
Acenaphthene	ND		410	41	ug/Kg	☼	08/31/15 10:17	09/02/15 18:19	1
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	09/02/15 18:19	1
Benzo[b]fluoranthene	ND		410	41	ug/Kg	☼	08/31/15 10:17	09/02/15 18:19	1
Benzo[k]fluoranthene	ND		410	41	ug/Kg	☼	08/31/15 10:17	09/02/15 18:19	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	☼	08/31/15 10:17	09/02/15 18:19	1
Bis(2-ethylhexyl) phthalate	ND		410	56	ug/Kg	☼	08/31/15 10:17	09/02/15 18:19	1
Butyl benzyl phthalate	ND		410	41	ug/Kg	☼	08/31/15 10:17	09/02/15 18:19	1
Chrysene	ND		410	41	ug/Kg	☼	08/31/15 10:17	09/02/15 18:19	1
Dibenz(a,h)anthracene	ND		410	41	ug/Kg	☼	08/31/15 10:17	09/02/15 18:19	1
Dibenzofuran	ND		410	41	ug/Kg	☼	08/31/15 10:17	09/02/15 18:19	1
Diethyl phthalate	ND		410	41	ug/Kg	☼	08/31/15 10:17	09/02/15 18:19	1
Dimethyl phthalate	ND		410	41	ug/Kg	☼	08/31/15 10:17	09/02/15 18:19	1
Di-n-butyl phthalate	ND		410	41	ug/Kg	☼	08/31/15 10:17	09/02/15 18:19	1
Di-n-octyl phthalate	ND		410	41	ug/Kg	☼	08/31/15 10:17	09/02/15 18:19	1
Diphenylamine	ND		410	41	ug/Kg	☼	08/31/15 10:17	09/02/15 18:19	1
Fluoranthene	ND		410	41	ug/Kg	☼	08/31/15 10:17	09/02/15 18:19	1
Fluorene	ND		410	41	ug/Kg	☼	08/31/15 10:17	09/02/15 18:19	1
Hexachlorobenzene	ND		410	41	ug/Kg	☼	08/31/15 10:17	09/02/15 18:19	1
Hexachlorobutadiene	ND		410	41	ug/Kg	☼	08/31/15 10:17	09/02/15 18:19	1
Hexachlorocyclopentadiene	ND		2000	410	ug/Kg	☼	08/31/15 10:17	09/02/15 18:19	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	09/02/15 18:19	1
N-Nitrosodi-n-propylamine	ND		410	41	ug/Kg	☼	08/31/15 10:17	09/02/15 18:19	1
Pentachlorophenol	ND		810	410	ug/Kg	☼	08/31/15 10:17	09/02/15 18:19	1
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	1
Pyrene	ND		410	41	ug/Kg	☼	08/31/15 10:17	09/02/15 18:19	1
N-Nitrosodiphenylamine	ND		410	41	ug/Kg	☼	08/31/15 10:17	09/02/15 18:19	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*	*08/31/15 10:17*	*09/02/15 18:19*	*1*
Phenol-d5 (Surr)	*77*		*54 - 101*	*08/31/15 10:17*	*09/02/15 18:19*	*1*
Terphenyl-d14 (Surr)	*75*		*58 - 123*	*08/31/15 10:17*	*09/02/15 18:19*	*1*
2,4,6-Tribromophenol (Surr)	*84*		*46 - 111*	*08/31/15 10:17*	*09/02/15 18:19*	*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 08:40	08/29/15 22:58	1
1,3-Dinitrobenzene	ND		250	43	ug/Kg		08/24/15 08:40	08/29/15 22:58	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

Method: 8330B - Nitroaromatics and Nitramines (HPLC) (Continued)

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	1
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	46	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

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

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 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	☼	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	☼	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	☼	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	☼	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	☼	08/28/15 15:59	08/28/15 21:46	1
Chloromethane	ND		8.8	0.57	ug/Kg	☼	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	ug/Kg	☼	08/28/15 15:59	08/28/15 21:46	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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	ND		4.4	0.60	ug/Kg	☼	08/28/15 15:59	08/28/15 21:46	1
Isobutyl alcohol	ND		180	22	ug/Kg	☼	08/28/15 15:59	08/28/15 21:46	1
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	1
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	☼	08/28/15 15:59	08/28/15 21:46	1
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	☼	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)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		380	39	ug/Kg	☼	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	☼	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	☼	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	☼	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	☼	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	☼	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	☼	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 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

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

Analyte	Result	Qualifier	RL	MDL	Unit	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	1
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	☼	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	☼	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	☼	08/31/15 10:17	09/02/15 18:53	1
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	☼	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	☼	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	☼	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	☼	08/31/15 10:17	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	☼	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*
2,4,6-Tribromophenol (Surr)	*94*		*46 - 111*	*08/31/15 10:17*	*09/02/15 18:53*	*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 08:40	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

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

Method: 8330B - Nitroaromatics and Nitramines (HPLC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitroglycerin	ND		1200	270	ug/Kg		08/24/15 08:40	08/29/15 23:21	1
2-Nitrotoluene	ND		250	65	ug/Kg		08/24/15 08:40	08/29/15 23:21	1
4-Nitrotoluene	ND		250	81	ug/Kg		08/24/15 08:40	08/29/15 23:21	1
PETN	ND		2500	340	ug/Kg		08/24/15 08:40	08/29/15 23:21	1
RDX	ND		250	62	ug/Kg		08/24/15 08:40	08/29/15 23:21	1
HMX	ND		250	39	ug/Kg		08/24/15 08:40	08/29/15 23:21	1
Tetryl	ND		250	46	ug/Kg		08/24/15 08:40	08/29/15 23:21	1

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*	*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 Organic Compounds by GC/MS

Analyte	Result	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 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	☼	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	☼	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	0.61	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	1.4	ug/Kg	☼	08/28/15 15:59	08/28/15 22:11	1
Styrene	ND		4.5	0.31	ug/Kg	☼	08/28/15 15:59	08/28/15 22:11	1
Tetrachloroethene	ND		4.5	0.29	ug/Kg	☼	08/28/15 15:59	08/28/15 22:11	1
Toluene	ND		4.5	0.63	ug/Kg	☼	08/28/15 15:59	08/28/15 22:11	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 Organic Compounds by GC/MS (Continued)

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	1
Trichlorofluoromethane	ND		4.5	0.45	ug/Kg	☼	08/28/15 15:59	08/28/15 22:11	1
Vinyl chloride	ND		4.5	0.39	ug/Kg	☼	08/28/15 15:59	08/28/15 22:11	1
Xylenes, Total	ND		9.0	0.76	ug/Kg	☼	08/28/15 15:59	08/28/15 22:11	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 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*

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

Analyte	Result	Qualifier	RL	MDL	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	☼	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	☼	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	1
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	☼	08/31/15 10:17	09/02/15 19:26	1
2-Chloronaphthalene	ND		360	37	ug/Kg	☼	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	☼	08/31/15 10:17	09/02/15 19:26	1
2-Nitroaniline	ND		360	37	ug/Kg	☼	08/31/15 10:17	09/02/15 19:26	1
3,3'-Dichlorobenzidine	ND		1800	360	ug/Kg	☼	08/31/15 10:17	09/02/15 19:26	1
3-Nitroaniline	ND		360	37	ug/Kg	☼	08/31/15 10:17	09/02/15 19:26	1
4-Nitroaniline	ND		1800	360	ug/Kg	☼	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	☼	08/31/15 10:17	09/02/15 19:26	1
Acenaphthylene	ND		360	37	ug/Kg	☼	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	☼	08/31/15 10:17	09/02/15 19:26	1
Benzo[a]anthracene	ND		360	37	ug/Kg	☼	08/31/15 10:17	09/02/15 19:26	1
Benzo[a]pyrene	ND		360	37	ug/Kg	☼	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	ug/Kg	☼	08/31/15 10:17	09/02/15 19:26	1
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	ug/Kg	☼	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	ug/Kg	☼	08/31/15 10:17	09/02/15 19:26	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: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

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	☼	08/31/15 10:17	09/02/15 19:26	1
Pentachlorophenol	ND		730	360	ug/Kg	☼	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 - 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 08:40	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

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

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 Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	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 22:36	1
1,1,1-Trichloroethane	ND		4.0	0.35	ug/Kg	☼	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	☼	08/28/15 15:59	08/28/15 22:36	1
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	☼	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	ug/Kg	☼	08/28/15 15:59	08/28/15 22:36	1
Chloroethane	ND		8.1	0.42	ug/Kg	☼	08/28/15 15:59	08/28/15 22:36	1
Chloroform	ND		4.0	0.31	ug/Kg	☼	08/28/15 15:59	08/28/15 22:36	1
Chloromethane	ND		8.1	0.53	ug/Kg	☼	08/28/15 15:59	08/28/15 22:36	1
cis-1,2-Dichloroethene	ND		4.0	0.49	ug/Kg	☼	08/28/15 15:59	08/28/15 22:36	1
Ethylbenzene	ND		4.0	0.24	ug/Kg	☼	08/28/15 15:59	08/28/15 22:36	1
Hexachlorobutadiene	ND		4.0	0.55	ug/Kg	☼	08/28/15 15:59	08/28/15 22:36	1
Isobutyl alcohol	ND		160	21	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	1
Methylene Chloride	ND		4.0	1.3	ug/Kg	☼	08/28/15 15:59	08/28/15 22:36	1
Styrene	ND		4.0	0.28	ug/Kg	☼	08/28/15 15:59	08/28/15 22:36	1
Tetrachloroethene	ND		4.0	0.26	ug/Kg	☼	08/28/15 15:59	08/28/15 22:36	1
Toluene	ND		4.0	0.57	ug/Kg	☼	08/28/15 15:59	08/28/15 22:36	1
trans-1,2-Dichloroethene	ND		4.0	0.76	ug/Kg	☼	08/28/15 15:59	08/28/15 22:36	1
Trichloroethene	ND		4.0	0.32	ug/Kg	☼	08/28/15 15:59	08/28/15 22:36	1
Trichlorofluoromethane	ND		4.0	0.40	ug/Kg	☼	08/28/15 15:59	08/28/15 22:36	1
Vinyl chloride	ND		4.0	0.35	ug/Kg	☼	08/28/15 15:59	08/28/15 22:36	1
Xylenes, Total	ND		8.1	0.69	ug/Kg	☼	08/28/15 15:59	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	1
4-Bromofluorobenzene (Surr)	102		63 - 150	08/28/15 15:59	08/28/15 22:36	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*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		380	38	ug/Kg	☼	08/31/15 10:17	09/05/15 00:17	1
1,2,4,5-Tetrachlorobenzene	ND		380	38	ug/Kg	☼	08/31/15 10:17	09/05/15 00:17	1
1,2,4-Trichlorobenzene	ND		380	38	ug/Kg	☼	08/31/15 10:17	09/05/15 00:17	1
1,2-Dichlorobenzene	ND		380	38	ug/Kg	☼	08/31/15 10:17	09/05/15 00:17	1
1,3-Dichlorobenzene	ND		380	38	ug/Kg	☼	08/31/15 10:17	09/05/15 00:17	1
1,3-Dinitrobenzene	ND		380	38	ug/Kg	☼	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	☼	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	☼	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	☼	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	☼	08/31/15 10:17	09/05/15 00:17	1
4-Nitrophenol	ND		1800	380	ug/Kg	☼	08/31/15 10:17	09/05/15 00:17	1
Acenaphthene	ND		380	38	ug/Kg	☼	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	☼	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	☼	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	☼	08/31/15 10:17	09/05/15 00:17	1
bis (2-chloroisopropyl) ether	ND		380	38	ug/Kg	☼	08/31/15 10:17	09/05/15 00:17	1
Bis(2-chloroethyl)ether	ND		380	38	ug/Kg	☼	08/31/15 10:17	09/05/15 00:17	1
Bis(2-ethylhexyl) phthalate	ND		380	52	ug/Kg	☼	08/31/15 10:17	09/05/15 00:17	1
Butyl benzyl phthalate	ND		380	38	ug/Kg	☼	08/31/15 10:17	09/05/15 00:17	1
Chrysene	ND		380	38	ug/Kg	☼	08/31/15 10:17	09/05/15 00:17	1
Dibenz(a,h)anthracene	ND		380	38	ug/Kg	☼	08/31/15 10:17	09/05/15 00:17	1
Dibenzofuran	ND		380	38	ug/Kg	☼	08/31/15 10:17	09/05/15 00:17	1
Diethyl phthalate	ND		380	38	ug/Kg	☼	08/31/15 10:17	09/05/15 00:17	1
Dimethyl phthalate	ND		380	38	ug/Kg	☼	08/31/15 10:17	09/05/15 00:17	1
Di-n-butyl phthalate	ND		380	38	ug/Kg	☼	08/31/15 10:17	09/05/15 00:17	1
Di-n-octyl phthalate	ND		380	38	ug/Kg	☼	08/31/15 10:17	09/05/15 00:17	1
Diphenylamine	ND		380	38	ug/Kg	☼	08/31/15 10:17	09/05/15 00:17	1
Fluoranthene	ND		380	38	ug/Kg	☼	08/31/15 10:17	09/05/15 00:17	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: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	ND		380	38	ug/Kg	☼	08/31/15 10:17	09/05/15 00:17	1
Hexachlorobenzene	ND		380	38	ug/Kg	☼	08/31/15 10:17	09/05/15 00:17	1
Hexachlorobutadiene	ND		380	38	ug/Kg	☼	08/31/15 10:17	09/05/15 00:17	1
Hexachlorocyclopentadiene	ND		1800	380	ug/Kg	☼	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	1
Isophorone	ND		380	38	ug/Kg	☼	08/31/15 10:17	09/05/15 00:17	1
Naphthalene	ND		380	38	ug/Kg	☼	08/31/15 10:17	09/05/15 00:17	1
Nitrobenzene	ND		380	38	ug/Kg	☼	08/31/15 10:17	09/05/15 00:17	1
N-Nitrosodi-n-propylamine	ND		380	38	ug/Kg	☼	08/31/15 10:17	09/05/15 00:17	1
Pentachlorophenol	ND		760	380	ug/Kg	☼	08/31/15 10:17	09/05/15 00:17	1
Phenanthrene	ND		380	38	ug/Kg	☼	08/31/15 10:17	09/05/15 00:17	1
Phenol	ND		380	38	ug/Kg	☼	08/31/15 10:17	09/05/15 00:17	1
Pyrene	ND		380	38	ug/Kg	☼	08/31/15 10:17	09/05/15 00:17	1
N-Nitrosodiphenylamine	ND		380	38	ug/Kg	☼	08/31/15 10:17	09/05/15 00:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*86*		*56 - 97*	*08/31/15 10:17*	*09/05/15 00:17*	*1*
2-Fluorophenol (Surr)	*74*		*53 - 97*	*08/31/15 10:17*	*09/05/15 00:17*	*1*
Nitrobenzene-d5 (Surr)	*75*		*55 - 98*	*08/31/15 10:17*	*09/05/15 00:17*	*1*
Phenol-d5 (Surr)	*75*		*54 - 101*	*08/31/15 10:17*	*09/05/15 00:17*	*1*
Terphenyl-d14 (Surr)	*79*		*58 - 123*	*08/31/15 10:17*	*09/05/15 00:17*	*1*
2,4,6-Tribromophenol (Surr)	*84*		*46 - 111*	*08/31/15 10:17*	*09/05/15 00:17*	*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 08:40	08/30/15 00:07	1
1,3-Dinitrobenzene	ND		250	43	ug/Kg		08/24/15 08:40	08/30/15 00:07	1
2,4,6-Trinitrotoluene	ND		250	36	ug/Kg		08/24/15 08:40	08/30/15 00:07	1
2,4-Dinitrotoluene	ND		250	38	ug/Kg		08/24/15 08:40	08/30/15 00:07	1
2,6-Dinitrotoluene	ND		250	64	ug/Kg		08/24/15 08:40	08/30/15 00:07	1
2-Amino-4,6-dinitrotoluene	ND		250	43	ug/Kg		08/24/15 08:40	08/30/15 00:07	1
4-Amino-2,6-dinitrotoluene	ND		250	93	ug/Kg		08/24/15 08:40	08/30/15 00:07	1
3-Nitrotoluene	ND		250	56	ug/Kg		08/24/15 08:40	08/30/15 00:07	1
Nitrobenzene	ND		250	43	ug/Kg		08/24/15 08:40	08/30/15 00:07	1
Nitroglycerin	ND		1200	270	ug/Kg		08/24/15 08:40	08/30/15 00:07	1
2-Nitrotoluene	ND		250	65	ug/Kg		08/24/15 08:40	08/30/15 00:07	1
4-Nitrotoluene	ND		250	81	ug/Kg		08/24/15 08:40	08/30/15 00:07	1
PETN	ND		2500	340	ug/Kg		08/24/15 08:40	08/30/15 00:07	1
RDX	ND		250	62	ug/Kg		08/24/15 08:40	08/30/15 00:07	1
HMX	ND		250	39	ug/Kg		08/24/15 08:40	08/30/15 00:07	1
Tetryl	ND		250	46	ug/Kg		08/24/15 08:40	08/30/15 00:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dinitrobenzene (Surr)	*105*		*79 - 120*	*08/24/15 08:40*	*08/30/15 00:07*	*1*

Method: 1613B - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	**0.76**	**J**	1.2	0.057	pg/g	☼	08/24/15 13:03	08/26/15 06:50	1
2,3,7,8-TCDF	**0.30**	**J**	1.2	0.049	pg/g	☼	08/24/15 13:03	08/26/15 06:50	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: 1613B - Dioxins and Furans (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3,7,8-PeCDD	0.81	J	5.8	0.095	pg/g	☼	08/24/15 13:03	08/26/15 06:50	1
1,2,3,7,8-PeCDF	ND		5.8	0.066	pg/g	☼	08/24/15 13:03	08/26/15 06:50	1
2,3,4,7,8-PeCDF	ND		5.8	0.073	pg/g	☼	08/24/15 13:03	08/26/15 06:50	1
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
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
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
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	1
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
1,2,3,7,8,9-HxCDF	ND		5.8	0.044	pg/g	☼	08/24/15 13:03	08/26/15 06:50	1
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
1,2,3,4,6,7,8-HpCDD	66	B	5.8	1.2	pg/g	☼	08/24/15 13:03	08/26/15 06:50	1
1,2,3,4,6,7,8-HpCDF	2.5	J B	5.8	0.076	pg/g	☼	08/24/15 13:03	08/26/15 06:50	1
1,2,3,4,7,8,9-HpCDF	ND		5.8	0.10	pg/g	☼	08/24/15 13:03	08/26/15 06:50	1
OCDD	5600	E B	12	2.9	pg/g	☼	08/24/15 13:03	08/26/15 06:50	1
OCDF	9.4	J B	12	0.059	pg/g	☼	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	1
13C-2,3,7,8-TCDF	60		24 - 169	08/24/15 13:03	08/26/15 06:50	1
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	1
13C-1,2,3,6,7,8-HxCDF	65		26 - 123	08/24/15 13:03	08/26/15 06:50	1
13C-2,3,4,6,7,8-HxCDF	66		28 - 136	08/24/15 13:03	08/26/15 06:50	1
13C-1,2,3,7,8,9-HxCDF	66		29 - 147	08/24/15 13:03	08/26/15 06:50	1
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	08/24/15 13:03	08/26/15 06:50	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 (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	17		2.8	0.73	mg/Kg	☼	09/03/15 11:15	09/05/15 01:35	5
Barium	1100		5.6	0.26	mg/Kg	☼	09/03/15 11:15	09/05/15 01:35	5
Cadmium	4.9		0.14	0.045	mg/Kg	☼	09/03/15 11:15	09/05/15 01:35	5
Chromium	22		2.8	1.3	mg/Kg	☼	09/03/15 11:15	09/05/15 01:35	5
Lead	61		0.84	0.28	mg/Kg	☼	09/03/15 11:15	09/05/15 01:35	5
Selenium	2.6		1.4	0.44	mg/Kg	☼	09/03/15 11:15	09/05/15 01:35	5
Silver	0.21	J	0.56	0.067	mg/Kg	☼	09/03/15 11:15	09/05/15 01:35	5

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.034	J	0.037	0.012	mg/Kg	☼	09/08/15 12:04	09/08/15 16:34	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

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrocellulose	ND		5.7	0.89	mg/Kg	☼	08/27/15 08:01	08/27/15 15:56	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

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

Analyte	Result	Qualifier	RL	MDL	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	☼	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	☼	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	☼	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	☼	08/28/15 15:59	08/28/15 23:02	1
Chlorobenzene	ND		4.0	0.31	ug/Kg	☼	08/28/15 15:59	08/28/15 23:02	1
Chlorodibromomethane	ND		4.0	0.33	ug/Kg	☼	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	☼	08/28/15 15:59	08/28/15 23:02	1
cis-1,2-Dichloroethene	ND		4.0	0.48	ug/Kg	☼	08/28/15 15:59	08/28/15 23:02	1
Ethylbenzene	ND		4.0	0.24	ug/Kg	☼	08/28/15 15:59	08/28/15 23:02	1
Hexachlorobutadiene	ND		4.0	0.55	ug/Kg	☼	08/28/15 15:59	08/28/15 23:02	1
Isobutyl alcohol	ND		160	20	ug/Kg	☼	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	ug/Kg	☼	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	ug/Kg	☼	08/28/15 15:59	08/28/15 23:02	1
Vinyl chloride	ND		4.0	0.35	ug/Kg	☼	08/28/15 15:59	08/28/15 23:02	1
Xylenes, Total	ND		8.1	0.69	ug/Kg	☼	08/28/15 15:59	08/28/15 23:02	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 23:02*	*1*
4-Bromofluorobenzene (Surr)	*102*		*63 - 150*	*08/28/15 15:59*	*08/28/15 23:02*	*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

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

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

Analyte	Result	Qualifier	RL	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	☼	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	☼	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	39	ug/Kg	☼	08/31/15 10:17	09/05/15 00:50	1
Dibenzofuran	ND		390	39	ug/Kg	☼	08/31/15 10:17	09/05/15 00:50	1
Diethyl phthalate	ND		390	39	ug/Kg	☼	08/31/15 10:17	09/05/15 00:50	1
Dimethyl phthalate	ND		390	39	ug/Kg	☼	08/31/15 10:17	09/05/15 00:50	1
Di-n-butyl phthalate	ND		390	39	ug/Kg	☼	08/31/15 10:17	09/05/15 00:50	1
Di-n-octyl phthalate	ND		390	39	ug/Kg	☼	08/31/15 10:17	09/05/15 00:50	1
Diphenylamine	ND		390	39	ug/Kg	☼	08/31/15 10:17	09/05/15 00:50	1
Fluoranthene	ND		390	39	ug/Kg	☼	08/31/15 10:17	09/05/15 00:50	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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	ND		390	39	ug/Kg	☼	08/31/15 10:17	09/05/15 00:50	1
Hexachlorobenzene	ND		390	39	ug/Kg	☼	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	☼	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	☼	08/31/15 10:17	09/05/15 00:50	1
Isophorone	ND		390	39	ug/Kg	☼	08/31/15 10:17	09/05/15 00:50	1
Naphthalene	ND		390	39	ug/Kg	☼	08/31/15 10:17	09/05/15 00:50	1
Nitrobenzene	ND		390	39	ug/Kg	☼	08/31/15 10:17	09/05/15 00:50	1
N-Nitrosodi-n-propylamine	ND		390	39	ug/Kg	☼	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	☼	08/31/15 10:17	09/05/15 00:50	1
Phenol	ND		390	39	ug/Kg	☼	08/31/15 10:17	09/05/15 00:50	1
Pyrene	ND		390	39	ug/Kg	☼	08/31/15 10:17	09/05/15 00:50	1
N-Nitrosodiphenylamine	ND		390	39	ug/Kg	☼	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 - 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 08:40	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	ND		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 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: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		4.6	0.33	ug/Kg	☼	08/28/15 15:59	08/28/15 17:57	1
1,1,1-Trichloroethane	ND		4.6	0.40	ug/Kg	☼	08/28/15 15:59	08/28/15 17:57	1
1,1,2,2-Tetrachloroethane	ND		4.6	0.37	ug/Kg	☼	08/28/15 15:59	08/28/15 17:57	1
1,1,2-Trichloroethane	ND		4.6	0.53	ug/Kg	☼	08/28/15 15:59	08/28/15 17:57	1
1,1-Dichloroethane	ND		4.6	0.36	ug/Kg	☼	08/28/15 15:59	08/28/15 17:57	1
1,1-Dichloroethene	ND		4.6	1.5	ug/Kg	☼	08/28/15 15:59	08/28/15 17:57	1
1,2-Dibromo-3-Chloropropane	ND		9.3	1.3	ug/Kg	☼	08/28/15 15:59	08/28/15 17:57	1
1,2-Dichloroethane	ND		4.6	0.81	ug/Kg	☼	08/28/15 15:59	08/28/15 17:57	1
1,2-Dichloropropane	ND		4.6	0.35	ug/Kg	☼	08/28/15 15:59	08/28/15 17:57	1
1,3-Dichloropropene, Total	ND		9.3	0.88	ug/Kg	☼	08/28/15 15:59	08/28/15 17:57	1
2-Butanone (MEK)	ND		19	1.8	ug/Kg	☼	08/28/15 15:59	08/28/15 17:57	1
4-Methyl-2-pentanone (MIBK)	ND		19	0.68	ug/Kg	☼	08/28/15 15:59	08/28/15 17:57	1
Acetone	ND		19	6.0	ug/Kg	☼	08/28/15 15:59	08/28/15 17:57	1
Benzene	ND		4.6	0.23	ug/Kg	☼	08/28/15 15:59	08/28/15 17:57	1
Bromodichloromethane	ND		4.6	0.23	ug/Kg	☼	08/28/15 15:59	08/28/15 17:57	1
Bromoform	ND		4.6	0.34	ug/Kg	☼	08/28/15 15:59	08/28/15 17:57	1
Bromomethane	ND		9.3	1.0	ug/Kg	☼	08/28/15 15:59	08/28/15 17:57	1
Carbon disulfide	ND		4.6	0.64	ug/Kg	☼	08/28/15 15:59	08/28/15 17:57	1
Carbon tetrachloride	ND		4.6	0.47	ug/Kg	☼	08/28/15 15:59	08/28/15 17:57	1
Chlorobenzene	ND		4.6	0.35	ug/Kg	☼	08/28/15 15:59	08/28/15 17:57	1
Chlorodibromomethane	ND		4.6	0.38	ug/Kg	☼	08/28/15 15:59	08/28/15 17:57	1
Chloroethane	ND		9.3	0.48	ug/Kg	☼	08/28/15 15:59	08/28/15 17:57	1
Chloroform	ND		4.6	0.35	ug/Kg	☼	08/28/15 15:59	08/28/15 17:57	1
Chloromethane	ND		9.3	0.60	ug/Kg	☼	08/28/15 15:59	08/28/15 17:57	1
cis-1,2-Dichloroethene	ND		4.6	0.56	ug/Kg	☼	08/28/15 15:59	08/28/15 17:57	1
Ethylbenzene	ND		4.6	0.28	ug/Kg	☼	08/28/15 15:59	08/28/15 17:57	1
Hexachlorobutadiene	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	ug/Kg	☼	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	0.65	ug/Kg	☼	08/28/15 15:59	08/28/15 17:57	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	0.36	ug/Kg	☼	08/28/15 15:59	08/28/15 17:57	1
Trichlorofluoromethane	ND		4.6	0.46	ug/Kg	☼	08/28/15 15:59	08/28/15 17:57	1
Vinyl chloride	ND		4.6	0.40	ug/Kg	☼	08/28/15 15:59	08/28/15 17:57	1
Xylenes, Total	ND		9.3	0.79	ug/Kg	☼	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 - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		420	42	ug/Kg	☼	08/31/15 10:17	09/02/15 19:59	1
1,2,4,5-Tetrachlorobenzene	ND		420	42	ug/Kg	☼	08/31/15 10:17	09/02/15 19:59	1
1,2,4-Trichlorobenzene	ND	F1	420	42	ug/Kg	☼	08/31/15 10:17	09/02/15 19:59	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) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		420	42	ug/Kg	☼	08/31/15 10:17	09/02/15 19:59	1
1,3-Dichlorobenzene	ND		420	42	ug/Kg	☼	08/31/15 10:17	09/02/15 19:59	1
1,3-Dinitrobenzene	ND		420	42	ug/Kg	☼	08/31/15 10:17	09/02/15 19:59	1
1,4-Dichlorobenzene	ND	F1	420	42	ug/Kg	☼	08/31/15 10:17	09/02/15 19:59	1
2,3,4,6-Tetrachlorophenol	ND		2000	42	ug/Kg	☼	08/31/15 10:17	09/02/15 19:59	1
2,4,5-Trichlorophenol	ND		420	42	ug/Kg	☼	08/31/15 10:17	09/02/15 19:59	1
2,4,6-Trichlorophenol	ND		420	42	ug/Kg	☼	08/31/15 10:17	09/02/15 19:59	1
2,4-Dichlorophenol	ND		420	42	ug/Kg	☼	08/31/15 10:17	09/02/15 19:59	1
2,4-Dimethylphenol	ND		420	42	ug/Kg	☼	08/31/15 10:17	09/02/15 19:59	1
2,4-Dinitrophenol	ND		2000	420	ug/Kg	☼	08/31/15 10:17	09/02/15 19:59	1
2,4-Dinitrotoluene	ND		420	42	ug/Kg	☼	08/31/15 10:17	09/02/15 19:59	1
2,6-Dinitrotoluene	ND		420	42	ug/Kg	☼	08/31/15 10:17	09/02/15 19:59	1
2-Chloronaphthalene	ND		420	42	ug/Kg	☼	08/31/15 10:17	09/02/15 19:59	1
2-Chlorophenol	ND		420	42	ug/Kg	☼	08/31/15 10:17	09/02/15 19:59	1
2-Methylnaphthalene	ND		420	42	ug/Kg	☼	08/31/15 10:17	09/02/15 19:59	1
2-Nitroaniline	ND		420	42	ug/Kg	☼	08/31/15 10:17	09/02/15 19:59	1
3,3'-Dichlorobenzidine	ND	F1	2000	420	ug/Kg	☼	08/31/15 10:17	09/02/15 19:59	1
3-Nitroaniline	ND		420	42	ug/Kg	☼	08/31/15 10:17	09/02/15 19:59	1
4-Nitroaniline	ND		2000	420	ug/Kg	☼	08/31/15 10:17	09/02/15 19:59	1
4-Nitrophenol	ND		2000	420	ug/Kg	☼	08/31/15 10:17	09/02/15 19:59	1
Acenaphthene	ND		420	42	ug/Kg	☼	08/31/15 10:17	09/02/15 19:59	1
Acenaphthylene	ND		420	42	ug/Kg	☼	08/31/15 10:17	09/02/15 19:59	1
Aniline	ND		420	76	ug/Kg	☼	08/31/15 10:17	09/02/15 19:59	1
Anthracene	ND		420	42	ug/Kg	☼	08/31/15 10:17	09/02/15 19:59	1
Benzo[a]anthracene	ND		420	42	ug/Kg	☼	08/31/15 10:17	09/02/15 19:59	1
Benzo[a]pyrene	ND		420	42	ug/Kg	☼	08/31/15 10:17	09/02/15 19:59	1
Benzo[b]fluoranthene	ND		420	42	ug/Kg	☼	08/31/15 10:17	09/02/15 19:59	1
Benzo[k]fluoranthene	ND		420	42	ug/Kg	☼	08/31/15 10:17	09/02/15 19:59	1
bis (2-chloroisopropyl) ether	ND		420	42	ug/Kg	☼	08/31/15 10:17	09/02/15 19:59	1
Bis(2-chloroethyl)ether	ND		420	42	ug/Kg	☼	08/31/15 10:17	09/02/15 19:59	1
Bis(2-ethylhexyl) phthalate	ND		420	57	ug/Kg	☼	08/31/15 10:17	09/02/15 19:59	1
Butyl benzyl phthalate	ND		420	42	ug/Kg	☼	08/31/15 10:17	09/02/15 19:59	1
Chrysene	ND		420	42	ug/Kg	☼	08/31/15 10:17	09/02/15 19:59	1
Dibenz(a,h)anthracene	ND		420	42	ug/Kg	☼	08/31/15 10:17	09/02/15 19:59	1
Dibenzofuran	ND		420	42	ug/Kg	☼	08/31/15 10:17	09/02/15 19:59	1
Diethyl phthalate	ND		420	42	ug/Kg	☼	08/31/15 10:17	09/02/15 19:59	1
Dimethyl phthalate	ND		420	42	ug/Kg	☼	08/31/15 10:17	09/02/15 19:59	1
Di-n-butyl phthalate	ND		420	42	ug/Kg	☼	08/31/15 10:17	09/02/15 19:59	1
Di-n-octyl phthalate	ND		420	42	ug/Kg	☼	08/31/15 10:17	09/02/15 19:59	1
Diphenylamine	ND		420	42	ug/Kg	☼	08/31/15 10:17	09/02/15 19:59	1
Fluoranthene	ND		420	42	ug/Kg	☼	08/31/15 10:17	09/02/15 19:59	1
Fluorene	ND		420	42	ug/Kg	☼	08/31/15 10:17	09/02/15 19:59	1
Hexachlorobenzene	ND		420	42	ug/Kg	☼	08/31/15 10:17	09/02/15 19:59	1
Hexachlorobutadiene	ND	F1	420	42	ug/Kg	☼	08/31/15 10:17	09/02/15 19:59	1
Hexachlorocyclopentadiene	ND		2000	420	ug/Kg	☼	08/31/15 10:17	09/02/15 19:59	1
Hexachloroethane	ND		420	42	ug/Kg	☼	08/31/15 10:17	09/02/15 19:59	1
Indeno[1,2,3-cd]pyrene	ND		420	42	ug/Kg	☼	08/31/15 10:17	09/02/15 19:59	1
Isophorone	ND		420	42	ug/Kg	☼	08/31/15 10:17	09/02/15 19:59	1
Naphthalene	ND		420	42	ug/Kg	☼	08/31/15 10:17	09/02/15 19:59	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) (Continued)

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	☼	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	☼	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	☼	08/31/15 10:17	09/02/15 19:59	1

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 - Nitroaromatics and Nitramines (HPLC)

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	08/30/15 00:53	1
1,3-Dinitrobenzene	ND		240	42	ug/Kg		08/24/15 08:40	08/30/15 00:53	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	63	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 Compounds by GC/MS

Analyte	Result	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 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 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	☼	08/28/15 15:59	08/28/15 23:27	1
1,3-Dichloropropene, Total	ND		9.1	0.87	ug/Kg	☼	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	☼	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	☼	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	ug/Kg	☼	08/28/15 15:59	08/28/15 23:27	1
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	0.46	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	0.77	ug/Kg	☼	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*
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)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		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	☼	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	☼	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 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: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	ND		370	37	ug/Kg	☼	08/31/15 13:01	09/04/15 15:00	1
2,4-Dichlorophenol	ND		370	37	ug/Kg	☼	08/31/15 13:01	09/04/15 15:00	1
2,4-Dimethylphenol	ND		370	37	ug/Kg	☼	08/31/15 13:01	09/04/15 15:00	1
2,4-Dinitrophenol	ND	*	1800	370	ug/Kg	☼	08/31/15 13:01	09/04/15 15:00	1
2,4-Dinitrotoluene	ND		370	37	ug/Kg	☼	08/31/15 13:01	09/04/15 15:00	1
2,6-Dinitrotoluene	ND		370	37	ug/Kg	☼	08/31/15 13:01	09/04/15 15:00	1
2-Chloronaphthalene	ND		370	37	ug/Kg	☼	08/31/15 13:01	09/04/15 15:00	1
2-Chlorophenol	ND		370	37	ug/Kg	☼	08/31/15 13:01	09/04/15 15:00	1
2-Methylnaphthalene	ND		370	37	ug/Kg	☼	08/31/15 13:01	09/04/15 15:00	1
2-Nitroaniline	ND		370	37	ug/Kg	☼	08/31/15 13:01	09/04/15 15:00	1
3,3'-Dichlorobenzidine	ND		1800	370	ug/Kg	☼	08/31/15 13:01	09/04/15 15:00	1
3-Nitroaniline	ND		370	37	ug/Kg	☼	08/31/15 13:01	09/04/15 15:00	1
4-Nitroaniline	ND		1800	370	ug/Kg	☼	08/31/15 13:01	09/04/15 15:00	1
4-Nitrophenol	ND		1800	370	ug/Kg	☼	08/31/15 13:01	09/04/15 15:00	1
Acenaphthene	ND		370	37	ug/Kg	☼	08/31/15 13:01	09/04/15 15:00	1
Acenaphthylene	ND		370	37	ug/Kg	☼	08/31/15 13:01	09/04/15 15:00	1
Aniline	ND		370	66	ug/Kg	☼	08/31/15 13:01	09/04/15 15:00	1
Anthracene	ND		370	37	ug/Kg	☼	08/31/15 13:01	09/04/15 15:00	1
Benzo[a]anthracene	ND		370	37	ug/Kg	☼	08/31/15 13:01	09/04/15 15:00	1
Benzo[a]pyrene	ND		370	37	ug/Kg	☼	08/31/15 13:01	09/04/15 15:00	1
Benzo[b]fluoranthene	ND		370	37	ug/Kg	☼	08/31/15 13:01	09/04/15 15:00	1
Benzo[k]fluoranthene	ND		370	37	ug/Kg	☼	08/31/15 13:01	09/04/15 15:00	1
bis (2-chloroisopropyl) ether	ND		370	37	ug/Kg	☼	08/31/15 13:01	09/04/15 15:00	1
Bis(2-chloroethyl)ether	ND		370	37	ug/Kg	☼	08/31/15 13:01	09/04/15 15:00	1
Bis(2-ethylhexyl) phthalate	ND		370	50	ug/Kg	☼	08/31/15 13:01	09/04/15 15:00	1
Butyl benzyl phthalate	ND		370	37	ug/Kg	☼	08/31/15 13:01	09/04/15 15:00	1
Chrysene	ND		370	37	ug/Kg	☼	08/31/15 13:01	09/04/15 15:00	1
Dibenz(a,h)anthracene	ND		370	37	ug/Kg	☼	08/31/15 13:01	09/04/15 15:00	1
Dibenzofuran	ND		370	37	ug/Kg	☼	08/31/15 13:01	09/04/15 15:00	1
Diethyl phthalate	ND		370	37	ug/Kg	☼	08/31/15 13:01	09/04/15 15:00	1
Dimethyl phthalate	ND		370	37	ug/Kg	☼	08/31/15 13:01	09/04/15 15:00	1
Di-n-butyl phthalate	ND		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	1
Diphenylamine	ND		370	37	ug/Kg	☼	08/31/15 13:01	09/04/15 15:00	1
Fluoranthene	ND		370	37	ug/Kg	☼	08/31/15 13:01	09/04/15 15:00	1
Fluorene	ND		370	37	ug/Kg	☼	08/31/15 13:01	09/04/15 15:00	1
Hexachlorobenzene	ND		370	37	ug/Kg	☼	08/31/15 13:01	09/04/15 15:00	1
Hexachlorobutadiene	ND	*	370	37	ug/Kg	☼	08/31/15 13:01	09/04/15 15:00	1
Hexachlorocyclopentadiene	ND		1800	370	ug/Kg	☼	08/31/15 13:01	09/04/15 15:00	1
Hexachloroethane	ND		370	37	ug/Kg	☼	08/31/15 13:01	09/04/15 15:00	1
Indeno[1,2,3-cd]pyrene	ND		370	37	ug/Kg	☼	08/31/15 13:01	09/04/15 15:00	1
Isophorone	ND		370	37	ug/Kg	☼	08/31/15 13:01	09/04/15 15:00	1
Naphthalene	ND		370	37	ug/Kg	☼	08/31/15 13:01	09/04/15 15:00	1
Nitrobenzene	ND		370	37	ug/Kg	☼	08/31/15 13:01	09/04/15 15:00	1
N-Nitrosodi-n-propylamine	ND		370	37	ug/Kg	☼	08/31/15 13:01	09/04/15 15:00	1
Pentachlorophenol	ND		730	370	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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		370	37	ug/Kg	☼	08/31/15 13:01	09/04/15 15:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*88*		*56 - 97*	*08/31/15 13:01*	*09/04/15 15:00*	*1*
2-Fluorophenol (Surr)	*77*		*53 - 97*	*08/31/15 13:01*	*09/04/15 15:00*	*1*
Nitrobenzene-d5 (Surr)	*80*		*55 - 98*	*08/31/15 13:01*	*09/04/15 15:00*	*1*
Phenol-d5 (Surr)	*78*		*54 - 101*	*08/31/15 13:01*	*09/04/15 15:00*	*1*
Terphenyl-d14 (Surr)	*81*		*58 - 123*	*08/31/15 13:01*	*09/04/15 15:00*	*1*
2,4,6-Tribromophenol (Surr)	*86*		*46 - 111*	*08/31/15 13:01*	*09/04/15 15:00*	*1*

Method: 8330B - Nitroaromatics and Nitramines (HPLC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trinitrobenzene	ND		220	25	ug/Kg		08/24/15 08:40	08/30/15 02:25	1
1,3-Dinitrobenzene	ND		220	39	ug/Kg		08/24/15 08:40	08/30/15 02:25	1
2,4,6-Trinitrotoluene	ND		220	32	ug/Kg		08/24/15 08:40	08/30/15 02:25	1
2,4-Dinitrotoluene	ND		220	34	ug/Kg		08/24/15 08:40	08/30/15 02:25	1
2,6-Dinitrotoluene	ND		220	57	ug/Kg		08/24/15 08:40	08/30/15 02:25	1
2-Amino-4,6-dinitrotoluene	ND		220	38	ug/Kg		08/24/15 08:40	08/30/15 02:25	1
4-Amino-2,6-dinitrotoluene	ND		220	84	ug/Kg		08/24/15 08:40	08/30/15 02:25	1
3-Nitrotoluene	ND		220	50	ug/Kg		08/24/15 08:40	08/30/15 02:25	1
Nitrobenzene	ND		220	39	ug/Kg		08/24/15 08:40	08/30/15 02:25	1
Nitroglycerin	ND		1100	240	ug/Kg		08/24/15 08:40	08/30/15 02:25	1
2-Nitrotoluene	ND		220	58	ug/Kg		08/24/15 08:40	08/30/15 02:25	1
4-Nitrotoluene	ND		220	73	ug/Kg		08/24/15 08:40	08/30/15 02:25	1
PETN	ND		2200	310	ug/Kg		08/24/15 08:40	08/30/15 02:25	1
RDX	ND		220	56	ug/Kg		08/24/15 08:40	08/30/15 02:25	1
HMX	ND		220	35	ug/Kg		08/24/15 08:40	08/30/15 02:25	1
Tetryl	ND		220	41	ug/Kg		08/24/15 08:40	08/30/15 02:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dinitrobenzene (Surr)	*107*		*79 - 120*	*08/24/15 08:40*	*08/30/15 02:25*	*1*

Method: 1613B - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	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	1
2,3,7,8-TCDF	ND		1.1	0.029	pg/g	☼	08/24/15 13:03	08/26/15 12:01	1
1,2,3,7,8-PeCDD	ND		5.5	0.059	pg/g	☼	08/24/15 13:03	08/26/15 12:01	1
1,2,3,7,8-PeCDF	ND		5.5	0.041	pg/g	☼	08/24/15 13:03	08/26/15 12:01	1
2,3,4,7,8-PeCDF	ND		5.5	0.048	pg/g	☼	08/24/15 13:03	08/26/15 12:01	1
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
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
1,2,3,7,8,9-HxCDD	**0.22**	**J q**	5.5	0.037	pg/g	☼	08/24/15 13:03	08/26/15 12:01	1
1,2,3,4,7,8-HxCDF	**0.072**	**J**	5.5	0.029	pg/g	☼	08/24/15 13:03	08/26/15 12:01	1
1,2,3,6,7,8-HxCDF	**0.061**	**J**	5.5	0.028	pg/g	☼	08/24/15 13:03	08/26/15 12:01	1
1,2,3,7,8,9-HxCDF	**0.049**	**J**	5.5	0.027	pg/g	☼	08/24/15 13:03	08/26/15 12:01	1
2,3,4,6,7,8-HxCDF	**0.074**	**J q**	5.5	0.026	pg/g	☼	08/24/15 13:03	08/26/15 12:01	1
1,2,3,4,6,7,8-HpCDD	**3.2**	**J B**	5.5	0.11	pg/g	☼	08/24/15 13:03	08/26/15 12:01	1
1,2,3,4,6,7,8-HpCDF	**0.25**	**J B**	5.5	0.044	pg/g	☼	08/24/15 13:03	08/26/15 12:01	1
1,2,3,4,7,8,9-HpCDF	ND		5.5	0.064	pg/g	☼	08/24/15 13:03	08/26/15 12:01	1
OCDD	**210**	**B**	11	0.17	pg/g	☼	08/24/15 13:03	08/26/15 12:01	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: 1613B - Dioxins and Furans (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
OCDF	0.57	J B	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*
37Cl4-2,3,7,8-TCDD	*96*		*35 - 197*	*08/24/15 13:03*	*08/26/15 12:01*	*1*

Method: 6020A - Metals (ICP/MS)

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	☼	09/03/15 11:15	09/05/15 01:42	5
Cadmium	15		0.13	0.042	mg/Kg	☼	09/03/15 11:15	09/05/15 01:42	5
Chromium	6.7		2.6	1.2	mg/Kg	☼	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	☼	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	☼	08/27/15 08:01	08/27/15 15:58	1

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

Matrix: Solid
Percent Solids: 81.9

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

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	☼	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 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
Matrix: Solid
Percent Solids: 81.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		4.4	1.4	ug/Kg	☼	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	☼	08/28/15 15:59	08/28/15 23:53	1
1,2-Dichloropropane	ND		4.4	0.34	ug/Kg	☼	08/28/15 15:59	08/28/15 23:53	1
1,3-Dichloropropene, Total	ND		8.9	0.84	ug/Kg	☼	08/28/15 15:59	08/28/15 23:53	1
2-Butanone (MEK)	ND		18	1.7	ug/Kg	☼	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	☼	08/28/15 15:59	08/28/15 23:53	1
Benzene	ND		4.4	0.22	ug/Kg	☼	08/28/15 15:59	08/28/15 23:53	1
Bromodichloromethane	ND		4.4	0.22	ug/Kg	☼	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	☼	08/28/15 15:59	08/28/15 23:53	1
Carbon disulfide	ND		4.4	0.61	ug/Kg	☼	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	0.36	ug/Kg	☼	08/28/15 15:59	08/28/15 23:53	1
Chloroethane	ND		8.9	0.46	ug/Kg	☼	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	☼	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	☼	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	☼	08/28/15 15:59	08/28/15 23:53	1
Styrene	ND		4.4	0.31	ug/Kg	☼	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	☼	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*	*1*
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*

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

Analyte	Result	Qualifier	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	☼	08/31/15 13:01	09/04/15 15:32	1
1,2-Dichlorobenzene	ND		400	40	ug/Kg	☼	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 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
Matrix: Solid
Percent Solids: 81.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		400	40	ug/Kg	☼	08/31/15 13:01	09/04/15 15:32	1
2,4,6-Trichlorophenol	ND		400	40	ug/Kg	☼	08/31/15 13:01	09/04/15 15:32	1
2,4-Dichlorophenol	ND		400	40	ug/Kg	☼	08/31/15 13:01	09/04/15 15:32	1
2,4-Dimethylphenol	ND		400	40	ug/Kg	☼	08/31/15 13:01	09/04/15 15:32	1
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	ug/Kg	☼	08/31/15 13:01	09/04/15 15:32	1
2,6-Dinitrotoluene	ND		400	40	ug/Kg	☼	08/31/15 13:01	09/04/15 15:32	1
2-Chloronaphthalene	ND		400	40	ug/Kg	☼	08/31/15 13:01	09/04/15 15:32	1
2-Chlorophenol	ND		400	40	ug/Kg	☼	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	☼	08/31/15 13:01	09/04/15 15:32	1
Acenaphthylene	ND		400	40	ug/Kg	☼	08/31/15 13:01	09/04/15 15:32	1
Aniline	ND		400	72	ug/Kg	☼	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	1
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	☼	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	☼	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	1
Dimethyl phthalate	ND		400	40	ug/Kg	☼	08/31/15 13:01	09/04/15 15:32	1
Di-n-butyl phthalate	ND		400	40	ug/Kg	☼	08/31/15 13:01	09/04/15 15:32	1
Di-n-octyl phthalate	ND		400	40	ug/Kg	☼	08/31/15 13:01	09/04/15 15:32	1
Diphenylamine	ND		400	40	ug/Kg	☼	08/31/15 13:01	09/04/15 15:32	1
Fluoranthene	ND		400	40	ug/Kg	☼	08/31/15 13:01	09/04/15 15:32	1
Fluorene	ND		400	40	ug/Kg	☼	08/31/15 13:01	09/04/15 15:32	1
Hexachlorobenzene	ND		400	40	ug/Kg	☼	08/31/15 13:01	09/04/15 15:32	1
Hexachlorobutadiene	ND	*	400	40	ug/Kg	☼	08/31/15 13:01	09/04/15 15:32	1
Hexachlorocyclopentadiene	ND		1900	400	ug/Kg	☼	08/31/15 13:01	09/04/15 15:32	1
Hexachloroethane	ND		400	40	ug/Kg	☼	08/31/15 13:01	09/04/15 15:32	1
Indeno[1,2,3-cd]pyrene	ND		400	40	ug/Kg	☼	08/31/15 13:01	09/04/15 15:32	1
Isophorone	ND		400	40	ug/Kg	☼	08/31/15 13:01	09/04/15 15:32	1
Naphthalene	ND		400	40	ug/Kg	☼	08/31/15 13:01	09/04/15 15:32	1
Nitrobenzene	ND		400	40	ug/Kg	☼	08/31/15 13:01	09/04/15 15:32	1
N-Nitrosodi-n-propylamine	ND		400	40	ug/Kg	☼	08/31/15 13:01	09/04/15 15:32	1
Pentachlorophenol	ND		800	400	ug/Kg	☼	08/31/15 13:01	09/04/15 15:32	1
Phenanthrene	ND		400	40	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	1

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
Matrix: Solid
Percent Solids: 81.9

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

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*

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 08:40	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*
1,2-Dinitrobenzene (Surr)	*105*		*79 - 120*	*08/24/15 08:40*	*08/30/15 02:48*	*1*

Method: 1613B - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND		1.2	0.047	pg/g	☼	08/24/15 13:03	08/26/15 12:47	1
2,3,7,8-TCDF	ND		1.2	0.038	pg/g	☼	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**	**J q**	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**	**J q**	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	☼	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	☼	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	☼	08/24/15 13:03	08/26/15 12:47	1
1,2,3,4,6,7,8-HpCDD	**8.9**	**B**	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

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

Matrix: Solid
Percent Solids: 81.9

Method: 1613B - Dioxins and Furans (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
OCDD	970	B	12	0.67	pg/g	☼	08/24/15 13:03	08/26/15 12:47	1
OCDF	0.27	J B	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*
37Cl4-2,3,7,8-TCDD	*96*		*35 - 197*	*08/24/15 13:03*	*08/26/15 12:47*	*1*

Method: 6020A - Metals (ICP/MS)

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	☼	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	☼	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		6.1	0.95	mg/Kg	☼	08/27/15 08:01	08/27/15 16:04	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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		4.7	0.33	ug/Kg	☼	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 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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		4.7	0.36	ug/Kg	☼	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	☼	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	☼	08/28/15 15:59	08/29/15 00:18	1
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	1
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	☼	08/28/15 15:59	08/29/15 00:18	1
Tetrachloroethene	ND		4.7	0.30	ug/Kg	☼	08/28/15 15:59	08/29/15 00:18	1
Toluene	ND		4.7	0.65	ug/Kg	☼	08/28/15 15:59	08/29/15 00:18	1
trans-1,2-Dichloroethene	ND		4.7	0.88	ug/Kg	☼	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	1
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*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		390	39	ug/Kg	☼	08/31/15 13:01	09/04/15 16:05	1
1,2,4,5-Tetrachlorobenzene	ND		390	39	ug/Kg	☼	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	☼	08/31/15 13:01	09/04/15 16:05	1
1,3-Dinitrobenzene	ND		390	39	ug/Kg	☼	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 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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,4,6-Tetrachlorophenol	ND		1900	39	ug/Kg	☼	08/31/15 13:01	09/04/15 16:05	1
2,4,5-Trichlorophenol	ND		390	39	ug/Kg	☼	08/31/15 13:01	09/04/15 16:05	1
2,4,6-Trichlorophenol	ND		390	39	ug/Kg	☼	08/31/15 13:01	09/04/15 16:05	1
2,4-Dichlorophenol	ND		390	39	ug/Kg	☼	08/31/15 13:01	09/04/15 16:05	1
2,4-Dimethylphenol	ND		390	39	ug/Kg	☼	08/31/15 13:01	09/04/15 16:05	1
2,4-Dinitrophenol	ND	*	1900	390	ug/Kg	☼	08/31/15 13:01	09/04/15 16:05	1
2,4-Dinitrotoluene	ND		390	39	ug/Kg	☼	08/31/15 13:01	09/04/15 16:05	1
2,6-Dinitrotoluene	ND		390	39	ug/Kg	☼	08/31/15 13:01	09/04/15 16:05	1
2-Chloronaphthalene	ND		390	39	ug/Kg	☼	08/31/15 13:01	09/04/15 16:05	1
2-Chlorophenol	ND		390	39	ug/Kg	☼	08/31/15 13:01	09/04/15 16:05	1
2-Methylnaphthalene	ND		390	39	ug/Kg	☼	08/31/15 13:01	09/04/15 16:05	1
2-Nitroaniline	ND		390	39	ug/Kg	☼	08/31/15 13:01	09/04/15 16:05	1
3,3'-Dichlorobenzidine	ND		1900	390	ug/Kg	☼	08/31/15 13:01	09/04/15 16:05	1
3-Nitroaniline	ND		390	39	ug/Kg	☼	08/31/15 13:01	09/04/15 16:05	1
4-Nitroaniline	ND		1900	390	ug/Kg	☼	08/31/15 13:01	09/04/15 16:05	1
4-Nitrophenol	ND		1900	390	ug/Kg	☼	08/31/15 13:01	09/04/15 16:05	1
Acenaphthene	ND		390	39	ug/Kg	☼	08/31/15 13:01	09/04/15 16:05	1
Acenaphthylene	ND		390	39	ug/Kg	☼	08/31/15 13:01	09/04/15 16:05	1
Aniline	ND		390	71	ug/Kg	☼	08/31/15 13:01	09/04/15 16:05	1
Anthracene	ND		390	39	ug/Kg	☼	08/31/15 13:01	09/04/15 16:05	1
Benzo[a]anthracene	ND		390	39	ug/Kg	☼	08/31/15 13:01	09/04/15 16:05	1
Benzo[a]pyrene	ND		390	39	ug/Kg	☼	08/31/15 13:01	09/04/15 16:05	1
Benzo[b]fluoranthene	ND		390	39	ug/Kg	☼	08/31/15 13:01	09/04/15 16:05	1
Benzo[k]fluoranthene	ND		390	39	ug/Kg	☼	08/31/15 13:01	09/04/15 16:05	1
bis (2-chloroisopropyl) ether	ND		390	39	ug/Kg	☼	08/31/15 13:01	09/04/15 16:05	1
Bis(2-chloroethyl)ether	ND		390	40	ug/Kg	☼	08/31/15 13:01	09/04/15 16:05	1
Bis(2-ethylhexyl) phthalate	ND		390	54	ug/Kg	☼	08/31/15 13:01	09/04/15 16:05	1
Butyl benzyl phthalate	ND		390	39	ug/Kg	☼	08/31/15 13:01	09/04/15 16:05	1
Chrysene	ND		390	39	ug/Kg	☼	08/31/15 13:01	09/04/15 16:05	1
Dibenz(a,h)anthracene	ND		390	39	ug/Kg	☼	08/31/15 13:01	09/04/15 16:05	1
Dibenzofuran	ND		390	39	ug/Kg	☼	08/31/15 13:01	09/04/15 16:05	1
Diethyl phthalate	ND		390	39	ug/Kg	☼	08/31/15 13:01	09/04/15 16:05	1
Dimethyl phthalate	ND		390	39	ug/Kg	☼	08/31/15 13:01	09/04/15 16:05	1
Di-n-butyl phthalate	ND		390	39	ug/Kg	☼	08/31/15 13:01	09/04/15 16:05	1
Di-n-octyl phthalate	ND		390	39	ug/Kg	☼	08/31/15 13:01	09/04/15 16:05	1
Diphenylamine	ND		390	39	ug/Kg	☼	08/31/15 13:01	09/04/15 16:05	1
Fluoranthene	ND		390	39	ug/Kg	☼	08/31/15 13:01	09/04/15 16:05	1
Fluorene	ND		390	39	ug/Kg	☼	08/31/15 13:01	09/04/15 16:05	1
Hexachlorobenzene	ND		390	39	ug/Kg	☼	08/31/15 13:01	09/04/15 16:05	1
Hexachlorobutadiene	ND	*	390	39	ug/Kg	☼	08/31/15 13:01	09/04/15 16:05	1
Hexachlorocyclopentadiene	ND		1900	390	ug/Kg	☼	08/31/15 13:01	09/04/15 16:05	1
Hexachloroethane	ND		390	39	ug/Kg	☼	08/31/15 13:01	09/04/15 16:05	1
Indeno[1,2,3-cd]pyrene	ND		390	39	ug/Kg	☼	08/31/15 13:01	09/04/15 16:05	1
Isophorone	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	1
Nitrobenzene	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	390	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

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		390	39	ug/Kg	☼	08/31/15 13:01	09/04/15 16:05	1
Pyrene	ND		390	39	ug/Kg	☼	08/31/15 13:01	09/04/15 16:05	1
N-Nitrosodiphenylamine	ND		390	39	ug/Kg	☼	08/31/15 13:01	09/04/15 16:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*79*		*56 - 97*	*08/31/15 13:01*	*09/04/15 16:05*	*1*
2-Fluorophenol (Surr)	*70*		*53 - 97*	*08/31/15 13:01*	*09/04/15 16:05*	*1*
Nitrobenzene-d5 (Surr)	*70*		*55 - 98*	*08/31/15 13:01*	*09/04/15 16:05*	*1*
Phenol-d5 (Surr)	*69*		*54 - 101*	*08/31/15 13:01*	*09/04/15 16:05*	*1*
Terphenyl-d14 (Surr)	*73*		*58 - 123*	*08/31/15 13:01*	*09/04/15 16:05*	*1*
2,4,6-Tribromophenol (Surr)	*80*		*46 - 111*	*08/31/15 13:01*	*09/04/15 16:05*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C6-C12)	ND		0.12	0.012	mg/Kg	☼	09/01/15 13:09	09/01/15 15:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*110*		*44 - 147*	*09/01/15 13:09*	*09/01/15 15:36*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		29	0.39	mg/Kg	☼	08/21/15 12:36	08/26/15 00:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*101*		*49 - 133*	*08/21/15 12:36*	*08/26/15 00:09*	*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 08:40	08/30/15 03:11	1
1,3-Dinitrobenzene	ND		230	40	ug/Kg		08/24/15 08:40	08/30/15 03:11	1
2,4,6-Trinitrotoluene	ND		230	32	ug/Kg		08/24/15 08:40	08/30/15 03:11	1
2,4-Dinitrotoluene	ND		230	34	ug/Kg		08/24/15 08:40	08/30/15 03:11	1
2,6-Dinitrotoluene	ND		230	58	ug/Kg		08/24/15 08:40	08/30/15 03:11	1
2-Amino-4,6-dinitrotoluene	ND		230	39	ug/Kg		08/24/15 08:40	08/30/15 03:11	1
4-Amino-2,6-dinitrotoluene	ND		230	85	ug/Kg		08/24/15 08:40	08/30/15 03:11	1
3-Nitrotoluene	ND		230	51	ug/Kg		08/24/15 08:40	08/30/15 03:11	1
Nitrobenzene	ND		230	39	ug/Kg		08/24/15 08:40	08/30/15 03:11	1
Nitroglycerin	ND		1100	250	ug/Kg		08/24/15 08:40	08/30/15 03:11	1
2-Nitrotoluene	ND		230	59	ug/Kg		08/24/15 08:40	08/30/15 03:11	1
4-Nitrotoluene	ND		230	74	ug/Kg		08/24/15 08:40	08/30/15 03:11	1
PETN	ND		2300	310	ug/Kg		08/24/15 08:40	08/30/15 03:11	1
RDX	ND		230	57	ug/Kg		08/24/15 08:40	08/30/15 03:11	1
HMX	ND		230	35	ug/Kg		08/24/15 08:40	08/30/15 03:11	1
Tetryl	ND		230	42	ug/Kg		08/24/15 08:40	08/30/15 03:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dinitrobenzene (Surr)	*108*		*79 - 120*	*08/24/15 08:40*	*08/30/15 03:11*	*1*

Method: 1613B - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND		1.2	0.054	pg/g	☼	08/24/15 13:03	08/26/15 13:33	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

Method: 1613B - Dioxins and Furans (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDF	0.075	J q	1.2	0.047	pg/g	☼	08/24/15 13:03	08/26/15 13:33	1
1,2,3,7,8-PeCDD	ND		5.8	0.088	pg/g	☼	08/24/15 13:03	08/26/15 13:33	1
1,2,3,7,8-PeCDF	ND		5.8	0.053	pg/g	☼	08/24/15 13:03	08/26/15 13:33	1
2,3,4,7,8-PeCDF	ND		5.8	0.061	pg/g	☼	08/24/15 13:03	08/26/15 13:33	1
1,2,3,4,7,8-HxCDD	0.28	J q	5.8	0.061	pg/g	☼	08/24/15 13:03	08/26/15 13:33	1
1,2,3,6,7,8-HxCDD	0.37	J q	5.8	0.060	pg/g	☼	08/24/15 13:03	08/26/15 13:33	1
1,2,3,7,8,9-HxCDD	0.49	J q	5.8	0.052	pg/g	☼	08/24/15 13:03	08/26/15 13:33	1
1,2,3,4,7,8-HxCDF	0.080	J q	5.8	0.034	pg/g	☼	08/24/15 13:03	08/26/15 13:33	1
1,2,3,6,7,8-HxCDF	0.092	J	5.8	0.031	pg/g	☼	08/24/15 13:03	08/26/15 13:33	1
1,2,3,7,8,9-HxCDF	0.083	J q	5.8	0.032	pg/g	☼	08/24/15 13:03	08/26/15 13:33	1
2,3,4,6,7,8-HxCDF	0.058	J	5.8	0.029	pg/g	☼	08/24/15 13:03	08/26/15 13:33	1
1,2,3,4,6,7,8-HpCDD	29	B	5.8	1.3	pg/g	☼	08/24/15 13:03	08/26/15 13:33	1
1,2,3,4,6,7,8-HpCDF	0.46	J B	5.8	0.057	pg/g	☼	08/24/15 13:03	08/26/15 13:33	1
1,2,3,4,7,8,9-HpCDF	ND		5.8	0.079	pg/g	☼	08/24/15 13:03	08/26/15 13:33	1
OCDD	7300	E B	12	4.0	pg/g	☼	08/24/15 13:03	08/26/15 13:33	1
OCDF	1.0	J B	12	0.062	pg/g	☼	08/24/15 13:03	08/26/15 13:33	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*62*		*25 - 164*	*08/24/15 13:03*	*08/26/15 13:33*	*1*
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*	*08/26/15 13:33*	*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*	*08/26/15 13:33*	*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*	*08/24/15 13:03*	*08/26/15 13:33*	*1*
13C-1,2,3,4,7,8-HxCDF	*62*		*26 - 152*	*08/24/15 13:03*	*08/26/15 13:33*	*1*
13C-1,2,3,6,7,8-HxCDF	*64*		*26 - 123*	*08/24/15 13:03*	*08/26/15 13:33*	*1*
13C-2,3,4,6,7,8-HxCDF	*65*		*28 - 136*	*08/24/15 13:03*	*08/26/15 13:33*	*1*
13C-1,2,3,7,8,9-HxCDF	*64*		*29 - 147*	*08/24/15 13:03*	*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*	*08/24/15 13:03*	*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*
37Cl4-2,3,7,8-TCDD	*93*		*35 - 197*	*08/24/15 13:03*	*08/26/15 13:33*	*1*

Method: 6020A - Metals (ICP/MS)

Analyte	Result	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	1.3	mg/Kg	☼	09/03/15 11:15	09/05/15 02:16	5
Lead	19		0.87	0.29	mg/Kg	☼	09/03/15 11:15	09/05/15 02:16	5
Selenium	2.6		1.4	0.46	mg/Kg	☼	09/03/15 11:15	09/05/15 02:16	5
Silver	ND		0.58	0.069	mg/Kg	☼	09/03/15 11:15	09/05/15 02:16	5

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.053		0.039	0.013	mg/Kg	☼	09/08/15 12:04	09/08/15 16:44	1

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

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	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	☼	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	☼	08/28/15 15:59	08/29/15 01:09	1
Acetone	23	F1 F2	23	7.4	ug/Kg	☼	08/28/15 15:59	08/29/15 01:09	1
Benzene	ND	F2	5.8	0.29	ug/Kg	☼	08/28/15 15:59	08/29/15 01:09	1
Bromodichloromethane	ND	F2	5.8	0.29	ug/Kg	☼	08/28/15 15:59	08/29/15 01:09	1
Bromoform	ND	F2	5.8	0.43	ug/Kg	☼	08/28/15 15:59	08/29/15 01:09	1
Bromomethane	ND		12	1.3	ug/Kg	☼	08/28/15 15:59	08/29/15 01:09	1
Carbon disulfide	ND		5.8	0.79	ug/Kg	☼	08/28/15 15:59	08/29/15 01:09	1
Carbon tetrachloride	ND	F2	5.8	0.59	ug/Kg	☼	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	0.47	ug/Kg	☼	08/28/15 15:59	08/29/15 01:09	1
Chloroethane	ND	F2	12	0.60	ug/Kg	☼	08/28/15 15:59	08/29/15 01:09	1
Chloroform	ND	F2	5.8	0.44	ug/Kg	☼	08/28/15 15:59	08/29/15 01:09	1
Chloromethane	ND	F2	12	0.75	ug/Kg	☼	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	0.35	ug/Kg	☼	08/28/15 15:59	08/29/15 01:09	1
Hexachlorobutadiene	ND		5.8	0.78	ug/Kg	☼	08/28/15 15:59	08/29/15 01:09	1
Isobutyl alcohol	ND	F2	230	29	ug/Kg	☼	08/28/15 15:59	08/29/15 01:09	1
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	1.8	ug/Kg	☼	08/28/15 15:59	08/29/15 01:09	1
Styrene	ND		5.8	0.40	ug/Kg	☼	08/28/15 15:59	08/29/15 01:09	1
Tetrachloroethene	ND		5.8	0.37	ug/Kg	☼	08/28/15 15:59	08/29/15 01:09	1
Toluene	ND		5.8	0.81	ug/Kg	☼	08/28/15 15:59	08/29/15 01:09	1
trans-1,2-Dichloroethene	ND		5.8	1.1	ug/Kg	☼	08/28/15 15:59	08/29/15 01:09	1
Trichloroethene	ND	F2	5.8	0.45	ug/Kg	☼	08/28/15 15:59	08/29/15 01:09	1
Trichlorofluoromethane	ND	F2	5.8	0.58	ug/Kg	☼	08/28/15 15:59	08/29/15 01:09	1
Vinyl chloride	ND	F2	5.8	0.50	ug/Kg	☼	08/28/15 15:59	08/29/15 01:09	1
Xylenes, Total	ND	F2	12	0.98	ug/Kg	☼	08/28/15 15:59	08/29/15 01:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*72 - 127*	*08/28/15 15:59*	*08/29/15 01:09*	*1*
4-Bromofluorobenzene (Surr)	*97*		*63 - 150*	*08/28/15 15:59*	*08/29/15 01:09*	*1*

Client Sample ID: 2015 08 18 F7.5
Date Collected: 08/18/15 14:00
Date Received: 08/20/15 09:15

Lab Sample ID: 160-13469-41
Matrix: Solid
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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		360	36	ug/Kg	☼	08/31/15 13:01	09/04/15 16:37	1
1,2,4,5-Tetrachlorobenzene	ND		360	36	ug/Kg	☼	08/31/15 13:01	09/04/15 16:37	1
1,2,4-Trichlorobenzene	ND	F1	360	36	ug/Kg	☼	08/31/15 13:01	09/04/15 16:37	1
1,2-Dichlorobenzene	ND		360	36	ug/Kg	☼	08/31/15 13:01	09/04/15 16:37	1
1,3-Dichlorobenzene	ND		360	36	ug/Kg	☼	08/31/15 13:01	09/04/15 16:37	1
1,3-Dinitrobenzene	ND		360	36	ug/Kg	☼	08/31/15 13:01	09/04/15 16:37	1
1,4-Dichlorobenzene	ND		360	36	ug/Kg	☼	08/31/15 13:01	09/04/15 16:37	1
2,3,4,6-Tetrachlorophenol	ND		1700	36	ug/Kg	☼	08/31/15 13:01	09/04/15 16:37	1
2,4,5-Trichlorophenol	ND		360	36	ug/Kg	☼	08/31/15 13:01	09/04/15 16:37	1
2,4,6-Trichlorophenol	ND		360	36	ug/Kg	☼	08/31/15 13:01	09/04/15 16:37	1
2,4-Dichlorophenol	ND		360	36	ug/Kg	☼	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	1
2-Chlorophenol	ND		360	36	ug/Kg	☼	08/31/15 13:01	09/04/15 16:37	1
2-Methylnaphthalene	ND		360	36	ug/Kg	☼	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	☼	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	☼	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	☼	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	36	ug/Kg	☼	08/31/15 13:01	09/04/15 16:37	1
bis (2-chloroisopropyl) ether	ND		360	36	ug/Kg	☼	08/31/15 13:01	09/04/15 16:37	1
Bis(2-chloroethyl)ether	ND		360	36	ug/Kg	☼	08/31/15 13:01	09/04/15 16:37	1
Bis(2-ethylhexyl) phthalate	ND		360	49	ug/Kg	☼	08/31/15 13:01	09/04/15 16:37	1
Butyl benzyl phthalate	ND		360	36	ug/Kg	☼	08/31/15 13:01	09/04/15 16:37	1
Chrysene	ND		360	36	ug/Kg	☼	08/31/15 13:01	09/04/15 16:37	1
Dibenz(a,h)anthracene	ND		360	36	ug/Kg	☼	08/31/15 13:01	09/04/15 16:37	1
Dibenzofuran	ND		360	36	ug/Kg	☼	08/31/15 13:01	09/04/15 16:37	1
Diethyl phthalate	ND		360	36	ug/Kg	☼	08/31/15 13:01	09/04/15 16:37	1
Dimethyl phthalate	ND		360	36	ug/Kg	☼	08/31/15 13:01	09/04/15 16:37	1
Di-n-butyl phthalate	ND		360	36	ug/Kg	☼	08/31/15 13:01	09/04/15 16:37	1
Di-n-octyl phthalate	ND		360	36	ug/Kg	☼	08/31/15 13:01	09/04/15 16:37	1
Diphenylamine	ND		360	36	ug/Kg	☼	08/31/15 13:01	09/04/15 16:37	1
Fluoranthene	ND		360	36	ug/Kg	☼	08/31/15 13:01	09/04/15 16:37	1

Client Sample ID: 2015 08 18 F7.5
Date Collected: 08/18/15 14:00
Date Received: 08/20/15 09:15

Lab Sample ID: 160-13469-41
Matrix: Solid
Percent Solids: 91.9

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

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	☼	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	☼	08/31/15 13:01	09/04/15 16:37	1
Naphthalene	ND		360	36	ug/Kg	☼	08/31/15 13:01	09/04/15 16:37	1
Nitrobenzene	ND		360	36	ug/Kg	☼	08/31/15 13:01	09/04/15 16:37	1
N-Nitrosodi-n-propylamine	ND		360	36	ug/Kg	☼	08/31/15 13:01	09/04/15 16:37	1
Pentachlorophenol	ND		720	360	ug/Kg	☼	08/31/15 13:01	09/04/15 16:37	1
Phenanthrene	ND		360	36	ug/Kg	☼	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*

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 08:40	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 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 Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.2	0.37	ug/Kg	☼	08/28/15 17:43	08/29/15 00:44	1
1,1,1-Trichloroethane	ND		5.2	0.45	ug/Kg	☼	08/28/15 17:43	08/29/15 00:44	1
1,1,2,2-Tetrachloroethane	ND		5.2	0.42	ug/Kg	☼	08/28/15 17:43	08/29/15 00:44	1
1,1,2-Trichloroethane	ND		5.2	0.60	ug/Kg	☼	08/28/15 17:43	08/29/15 00:44	1
1,1-Dichloroethane	ND		5.2	0.41	ug/Kg	☼	08/28/15 17:43	08/29/15 00:44	1
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	☼	08/28/15 17:43	08/29/15 00:44	1
1,2-Dichloroethane	ND		5.2	0.91	ug/Kg	☼	08/28/15 17:43	08/29/15 00:44	1
1,2-Dichloropropane	ND		5.2	0.40	ug/Kg	☼	08/28/15 17:43	08/29/15 00:44	1
1,3-Dichloropropene, Total	ND		10	1.0	ug/Kg	☼	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	0.26	ug/Kg	☼	08/28/15 17:43	08/29/15 00:44	1
Bromodichloromethane	ND		5.2	0.26	ug/Kg	☼	08/28/15 17:43	08/29/15 00:44	1
Bromoform	ND		5.2	0.39	ug/Kg	☼	08/28/15 17:43	08/29/15 00:44	1
Bromomethane	ND		10	1.2	ug/Kg	☼	08/28/15 17:43	08/29/15 00:44	1
Carbon disulfide	ND		5.2	0.72	ug/Kg	☼	08/28/15 17:43	08/29/15 00:44	1
Carbon tetrachloride	ND		5.2	0.53	ug/Kg	☼	08/28/15 17:43	08/29/15 00:44	1
Chlorobenzene	ND		5.2	0.40	ug/Kg	☼	08/28/15 17:43	08/29/15 00:44	1
Chlorodibromomethane	ND		5.2	0.43	ug/Kg	☼	08/28/15 17:43	08/29/15 00:44	1
Chloroethane	ND		10	0.54	ug/Kg	☼	08/28/15 17:43	08/29/15 00:44	1
Chloroform	ND		5.2	0.40	ug/Kg	☼	08/28/15 17:43	08/29/15 00:44	1
Chloromethane	ND		10	0.68	ug/Kg	☼	08/28/15 17:43	08/29/15 00:44	1
cis-1,2-Dichloroethene	ND		5.2	0.63	ug/Kg	☼	08/28/15 17:43	08/29/15 00:44	1
Ethylbenzene	ND		5.2	0.31	ug/Kg	☼	08/28/15 17:43	08/29/15 00:44	1
Hexachlorobutadiene	ND		5.2	0.71	ug/Kg	☼	08/28/15 17:43	08/29/15 00:44	1
Isobutyl alcohol	ND		210	27	ug/Kg	☼	08/28/15 17:43	08/29/15 00:44	1
Methyl tert-butyl ether	ND		5.2	0.50	ug/Kg	☼	08/28/15 17:43	08/29/15 00:44	1
Methylene Chloride	ND		5.2	1.7	ug/Kg	☼	08/28/15 17:43	08/29/15 00:44	1
Styrene	ND		5.2	0.37	ug/Kg	☼	08/28/15 17:43	08/29/15 00:44	1
Tetrachloroethene	ND		5.2	0.34	ug/Kg	☼	08/28/15 17:43	08/29/15 00:44	1
Toluene	ND		5.2	0.73	ug/Kg	☼	08/28/15 17:43	08/29/15 00:44	1
trans-1,2-Dichloroethene	ND		5.2	0.98	ug/Kg	☼	08/28/15 17:43	08/29/15 00:44	1
Trichloroethene	ND		5.2	0.41	ug/Kg	☼	08/28/15 17:43	08/29/15 00:44	1
Trichlorofluoromethane	ND		5.2	0.52	ug/Kg	☼	08/28/15 17:43	08/29/15 00:44	1
Vinyl chloride	ND		5.2	0.45	ug/Kg	☼	08/28/15 17:43	08/29/15 00:44	1
Xylenes, Total	ND		10	0.89	ug/Kg	☼	08/28/15 17:43	08/29/15 00:44	1

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*	*08/28/15 17:43*	*08/29/15 00:44*	*1*
Dibromofluoromethane (Surr)	*100*		*70 - 126*	*08/28/15 17:43*	*08/29/15 00:44*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*	*08/28/15 17:43*	*08/29/15 00:44*	*1*

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

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

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)

Analyte	Result	Qualifier	RL	MDL	Unit	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	1
1,3-Dinitrobenzene	ND		360	36	ug/Kg	☼	08/31/15 13:01	09/04/15 18:16	1
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	☼	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	1
2,4-Dichlorophenol	ND		360	36	ug/Kg	☼	08/31/15 13:01	09/04/15 18:16	1
2,4-Dimethylphenol	ND		360	36	ug/Kg	☼	08/31/15 13:01	09/04/15 18:16	1
2,4-Dinitrophenol	ND	*	1700	360	ug/Kg	☼	08/31/15 13:01	09/04/15 18:16	1
2,4-Dinitrotoluene	ND		360	36	ug/Kg	☼	08/31/15 13:01	09/04/15 18:16	1
2,6-Dinitrotoluene	ND		360	36	ug/Kg	☼	08/31/15 13:01	09/04/15 18:16	1
2-Chloronaphthalene	ND		360	36	ug/Kg	☼	08/31/15 13:01	09/04/15 18:16	1
2-Chlorophenol	ND		360	36	ug/Kg	☼	08/31/15 13:01	09/04/15 18:16	1
2-Methylnaphthalene	ND		360	36	ug/Kg	☼	08/31/15 13:01	09/04/15 18:16	1
2-Nitroaniline	ND		360	36	ug/Kg	☼	08/31/15 13:01	09/04/15 18:16	1
3,3'-Dichlorobenzidine	ND		1700	360	ug/Kg	☼	08/31/15 13:01	09/04/15 18:16	1
3-Nitroaniline	ND		360	36	ug/Kg	☼	08/31/15 13:01	09/04/15 18:16	1
4-Nitroaniline	ND		1700	360	ug/Kg	☼	08/31/15 13:01	09/04/15 18:16	1
4-Nitrophenol	ND		1700	360	ug/Kg	☼	08/31/15 13:01	09/04/15 18:16	1
Acenaphthene	ND		360	36	ug/Kg	☼	08/31/15 13:01	09/04/15 18:16	1
Acenaphthylene	ND		360	36	ug/Kg	☼	08/31/15 13:01	09/04/15 18:16	1
Aniline	ND		360	65	ug/Kg	☼	08/31/15 13:01	09/04/15 18:16	1
Anthracene	ND		360	36	ug/Kg	☼	08/31/15 13:01	09/04/15 18:16	1
Benzo[a]anthracene	ND		360	36	ug/Kg	☼	08/31/15 13:01	09/04/15 18:16	1
Benzo[a]pyrene	ND		360	36	ug/Kg	☼	08/31/15 13:01	09/04/15 18:16	1
Benzo[b]fluoranthene	ND		360	36	ug/Kg	☼	08/31/15 13:01	09/04/15 18:16	1
Benzo[k]fluoranthene	ND		360	36	ug/Kg	☼	08/31/15 13:01	09/04/15 18:16	1
bis (2-chloroisopropyl) ether	ND		360	36	ug/Kg	☼	08/31/15 13:01	09/04/15 18:16	1
Bis(2-chloroethyl)ether	ND		360	36	ug/Kg	☼	08/31/15 13:01	09/04/15 18:16	1
Bis(2-ethylhexyl) phthalate	ND		360	49	ug/Kg	☼	08/31/15 13:01	09/04/15 18:16	1
Butyl benzyl phthalate	ND		360	36	ug/Kg	☼	08/31/15 13:01	09/04/15 18:16	1
Chrysene	ND		360	36	ug/Kg	☼	08/31/15 13:01	09/04/15 18:16	1
Dibenz(a,h)anthracene	ND		360	36	ug/Kg	☼	08/31/15 13:01	09/04/15 18:16	1
Dibenzofuran	ND		360	36	ug/Kg	☼	08/31/15 13:01	09/04/15 18:16	1
Diethyl phthalate	ND		360	36	ug/Kg	☼	08/31/15 13:01	09/04/15 18:16	1
Dimethyl phthalate	ND		360	36	ug/Kg	☼	08/31/15 13:01	09/04/15 18:16	1
Di-n-butyl phthalate	ND		360	36	ug/Kg	☼	08/31/15 13:01	09/04/15 18:16	1
Di-n-octyl phthalate	ND		360	36	ug/Kg	☼	08/31/15 13:01	09/04/15 18:16	1
Diphenylamine	ND		360	36	ug/Kg	☼	08/31/15 13:01	09/04/15 18:16	1
Fluoranthene	ND		360	36	ug/Kg	☼	08/31/15 13:01	09/04/15 18:16	1
Fluorene	ND		360	36	ug/Kg	☼	08/31/15 13:01	09/04/15 18:16	1
Hexachlorobenzene	ND		360	36	ug/Kg	☼	08/31/15 13:01	09/04/15 18:16	1
Hexachlorobutadiene	ND	*	360	36	ug/Kg	☼	08/31/15 13:01	09/04/15 18:16	1
Hexachlorocyclopentadiene	ND		1700	360	ug/Kg	☼	08/31/15 13:01	09/04/15 18:16	1
Hexachloroethane	ND		360	36	ug/Kg	☼	08/31/15 13:01	09/04/15 18:16	1
Indeno[1,2,3-cd]pyrene	ND		360	36	ug/Kg	☼	08/31/15 13:01	09/04/15 18:16	1
Isophorone	ND		360	36	ug/Kg	☼	08/31/15 13:01	09/04/15 18:16	1
Naphthalene	ND		360	36	ug/Kg	☼	08/31/15 13:01	09/04/15 18:16	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)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	ND		360	36	ug/Kg	☼	08/31/15 13:01	09/04/15 18:16	1
N-Nitrosodi-n-propylamine	ND		360	36	ug/Kg	☼	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)

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	11	J	20	6.7	ug/L			08/24/15 19:17	1
Benzene	ND		5.0	0.25	ug/L			08/24/15 19:17	1
Bromoform	ND		5.0	0.37	ug/L			08/24/15 19:17	1
Bromodichloromethane	ND		5.0	0.25	ug/L			08/24/15 19:17	1
Bromomethane	ND		10	0.40	ug/L			08/24/15 19:17	1
2-Butanone (MEK)	ND		20	0.39	ug/L			08/24/15 19:17	1

Client Sample ID: 2015 08 19 TRIP BLK 01

Lab Sample ID: 160-13469-43

Date Collected: 08/19/15 00:00
Matrix: Water
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
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**	**J B**	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*		*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*
Toluene-d8 (Surr)	*104*		*80 - 120*		*08/24/15 19:17*	*1*

Client Sample ID: 2015 08 19 TRIP BLK 02

Lab Sample ID: 160-13469-44

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**12**	**J**	20	6.7	ug/L			08/24/15 19:42	1
Benzene	ND		5.0	0.25	ug/L			08/24/15 19:42	1
Bromoform	ND		5.0	0.37	ug/L			08/24/15 19:42	1
Bromodichloromethane	ND		5.0	0.25	ug/L			08/24/15 19:42	1
Bromomethane	ND		10	0.40	ug/L			08/24/15 19:42	1

Client Sample ID: 2015 08 19 TRIP BLK 02

Lab Sample ID: 160-13469-44

Date Collected: 08/19/15 00:00

Matrix: Water

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
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	0.39	ug/L			08/24/15 19:42	1
1,2-Dichloroethane	ND		5.0	0.37	ug/L			08/24/15 19:42	1
cis-1,2-Dichloroethene	ND		5.0	0.16	ug/L			08/24/15 19:42	1
trans-1,2-Dichloroethene	ND		5.0	0.18	ug/L			08/24/15 19:42	1
1,1-Dichloroethene	ND		5.0	0.37	ug/L			08/24/15 19:42	1
1,2-Dichloropropane	ND		5.0	0.32	ug/L			08/24/15 19:42	1
Ethylbenzene	ND		5.0	0.30	ug/L			08/24/15 19:42	1
Hexachlorobutadiene	ND		5.0	0.25	ug/L			08/24/15 19:42	1
Isobutyl alcohol	ND		200	7.3	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	ug/L			08/24/15 19:42	1
Methyl tert-butyl ether	ND		5.0	0.40	ug/L			08/24/15 19:42	1
Trichlorofluoromethane	ND		5.0	0.22	ug/L			08/24/15 19:42	1
Trichloroethene	**0.71**	**J B**	5.0	0.29	ug/L			08/24/15 19:42	1
1,1,1-Trichloroethane	ND		5.0	0.29	ug/L			08/24/15 19:42	1
Vinyl chloride	ND		5.0	0.43	ug/L			08/24/15 19:42	1
1,1,1,2-Tetrachloroethane	ND		5.0	0.25	ug/L			08/24/15 19:42	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	ug/L			08/24/15 19:42	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/L			08/24/15 19:42	1
Styrene	ND		5.0	0.35	ug/L			08/24/15 19:42	1
Tetrachloroethene	ND		5.0	0.28	ug/L			08/24/15 19:42	1
Toluene	ND		5.0	1.0	ug/L			08/24/15 19:42	1
Xylenes, Total	ND		10	0.85	ug/L			08/24/15 19:42	1
1,3-Dichloropropene, Total	ND		10	0.69	ug/L			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*
Toluene-d8 (Surr)	*104*		*80 - 120*		*08/24/15 19:42*	*1*

Client Sample ID: 2015 08 19 TRIP BLK 03

Lab Sample ID: 160-13469-45

Date Collected: 08/19/15 00:00

Matrix: Water

Date Received: 08/20/15 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**16**	**J**	20	6.7	ug/L			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 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

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

Analyte	Result	Qualifier	RL	MDL	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	1
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	1
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	1
1,2-Dichloroethane	ND		5.0	0.37	ug/L			08/24/15 20:08	1
cis-1,2-Dichloroethene	ND		5.0	0.16	ug/L			08/24/15 20:08	1
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	0.30	ug/L			08/24/15 20:08	1
Hexachlorobutadiene	ND		5.0	0.25	ug/L			08/24/15 20:08	1
Isobutyl alcohol	ND		200	7.3	ug/L			08/24/15 20:08	1
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**	**J B**	5.0	0.29	ug/L			08/24/15 20:08	1
1,1,1-Trichloroethane	ND		5.0	0.29	ug/L			08/24/15 20:08	1
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
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	ug/L			08/24/15 20:08	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/L			08/24/15 20:08	1
Styrene	ND		5.0	0.35	ug/L			08/24/15 20:08	1
Tetrachloroethene	ND		5.0	0.28	ug/L			08/24/15 20:08	1
Toluene	ND		5.0	1.0	ug/L			08/24/15 20:08	1
Xylenes, Total	ND		10	0.85	ug/L			08/24/15 20:08	1
1,3-Dichloropropene, Total	ND		10	0.69	ug/L			08/24/15 20:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*78 - 127*		*08/24/15 20:08*	*1*
4-Bromofluorobenzene (Surr)	*101*		*75 - 123*		*08/24/15 20:08*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*08/24/15 20:08*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*08/24/15 20:08*	*1*

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**14**	**J**	20	6.7	ug/L			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

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		5.0	0.25	ug/L			08/24/15 20:33	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	0.33	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	0.55	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	0.39	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	7.3	ug/L			08/24/15 20:33	1
Methylene Chloride	ND		5.0	1.7	ug/L			08/24/15 20:33	1
4-Methyl-2-pentanone (MIBK)	ND		20	0.33	ug/L			08/24/15 20:33	1
Methyl tert-butyl ether	ND		5.0	0.40	ug/L			08/24/15 20:33	1
Trichlorofluoromethane	ND		5.0	0.22	ug/L			08/24/15 20:33	1
Trichloroethene	**0.84**	**J B**	5.0	0.29	ug/L			08/24/15 20:33	1
1,1,1-Trichloroethane	ND		5.0	0.29	ug/L			08/24/15 20:33	1
Vinyl chloride	ND		5.0	0.43	ug/L			08/24/15 20:33	1
1,1,1,2-Tetrachloroethane	ND		5.0	0.25	ug/L			08/24/15 20:33	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	ug/L			08/24/15 20:33	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/L			08/24/15 20:33	1
Styrene	ND		5.0	0.35	ug/L			08/24/15 20:33	1
Tetrachloroethene	ND		5.0	0.28	ug/L			08/24/15 20:33	1
Toluene	ND		5.0	1.0	ug/L			08/24/15 20:33	1
Xylenes, Total	ND		10	0.85	ug/L			08/24/15 20:33	1
1,3-Dichloropropene, Total	ND		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 - Volatile Organic Compounds 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 Sample ID: 2015 08 19 TRIP BLK 05

Lab Sample ID: 160-13469-47

Date Collected: 08/19/15 00:00
Matrix: Water
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
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	0.16	ug/L			08/25/15 01:41	1
trans-1,2-Dichloroethene	ND		5.0	0.18	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	0.32	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	0.25	ug/L			08/25/15 01:41	1
Isobutyl alcohol	ND		200	7.3	ug/L			08/25/15 01:41	1
Methylene Chloride	ND		5.0	1.7	ug/L			08/25/15 01:41	1
4-Methyl-2-pentanone (MIBK)	ND		20	0.33	ug/L			08/25/15 01:41	1
Methyl tert-butyl ether	ND		5.0	0.40	ug/L			08/25/15 01:41	1
Trichlorofluoromethane	ND		5.0	0.22	ug/L			08/25/15 01:41	1
Trichloroethene	ND		5.0	0.29	ug/L			08/25/15 01:41	1
1,1,1-Trichloroethane	ND		5.0	0.29	ug/L			08/25/15 01:41	1
Vinyl chloride	ND		5.0	0.43	ug/L			08/25/15 01:41	1
1,1,1,2-Tetrachloroethane	ND		5.0	0.25	ug/L			08/25/15 01:41	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	ug/L			08/25/15 01:41	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/L			08/25/15 01:41	1
Styrene	ND		5.0	0.35	ug/L			08/25/15 01:41	1
Tetrachloroethene	ND		5.0	0.28	ug/L			08/25/15 01:41	1
Toluene	ND		5.0	1.0	ug/L			08/25/15 01:41	1
Xylenes, Total	ND		10	0.85	ug/L			08/25/15 01:41	1
1,3-Dichloropropene, Total	ND		10	0.69	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*
4-Bromofluorobenzene (Surr)	*93*		*75 - 123*		*08/25/15 01:41*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*08/25/15 01:41*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*08/25/15 01:41*	*1*

Client Sample ID: 2015 08 19 TRIP BLK 06

Lab Sample ID: 160-13469-48

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

Method: 8260C - Volatile Organic Compounds 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

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
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0	0.25	ug/L			08/25/15 02:06	1
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	0.36	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	ug/L			08/25/15 02:06	1
Chloroethane	ND		10	0.38	ug/L			08/25/15 02:06	1
Chloroform	ND		5.0	0.15	ug/L			08/25/15 02:06	1
Chloromethane	ND		10	0.55	ug/L			08/25/15 02:06	1
1,2-Dibromo-3-Chloropropane	ND		10	1.2	ug/L			08/25/15 02:06	1
1,1-Dichloroethane	ND		5.0	0.39	ug/L			08/25/15 02:06	1
1,2-Dichloroethane	ND		5.0	0.37	ug/L			08/25/15 02:06	1
cis-1,2-Dichloroethene	ND		5.0	0.16	ug/L			08/25/15 02:06	1
trans-1,2-Dichloroethene	ND		5.0	0.18	ug/L			08/25/15 02:06	1
1,1-Dichloroethene	ND		5.0	0.37	ug/L			08/25/15 02:06	1
1,2-Dichloropropane	ND		5.0	0.32	ug/L			08/25/15 02:06	1
Ethylbenzene	ND		5.0	0.30	ug/L			08/25/15 02:06	1
Hexachlorobutadiene	ND		5.0	0.25	ug/L			08/25/15 02:06	1
Isobutyl alcohol	ND		200	7.3	ug/L			08/25/15 02:06	1
Methylene Chloride	ND		5.0	1.7	ug/L			08/25/15 02:06	1
4-Methyl-2-pentanone (MIBK)	ND		20	0.33	ug/L			08/25/15 02:06	1
Methyl tert-butyl ether	ND		5.0	0.40	ug/L			08/25/15 02:06	1
Trichlorofluoromethane	ND		5.0	0.22	ug/L			08/25/15 02:06	1
Trichloroethene	ND		5.0	0.29	ug/L			08/25/15 02:06	1
1,1,1-Trichloroethane	ND		5.0	0.29	ug/L			08/25/15 02:06	1
Vinyl chloride	ND		5.0	0.43	ug/L			08/25/15 02:06	1
1,1,1,2-Tetrachloroethane	ND		5.0	0.25	ug/L			08/25/15 02:06	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	ug/L			08/25/15 02:06	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/L			08/25/15 02:06	1
Styrene	ND		5.0	0.35	ug/L			08/25/15 02:06	1
Tetrachloroethene	ND		5.0	0.28	ug/L			08/25/15 02:06	1
Toluene	ND		5.0	1.0	ug/L			08/25/15 02:06	1
Xylenes, Total	ND		10	0.85	ug/L			08/25/15 02:06	1
1,3-Dichloropropene, Total	ND		10	0.69	ug/L			08/25/15 02:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*78 - 127*		*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 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
Matrix: Water

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

Analyte	Result	Qualifier	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	0.15	ug/L			08/26/15 21:32	1
Chloromethane	ND		10	0.55	ug/L			08/26/15 21:32	1
1,2-Dibromo-3-Chloropropane	ND		10	1.2	ug/L			08/26/15 21:32	1
1,1-Dichloroethane	ND		5.0	0.39	ug/L			08/26/15 21:32	1
1,2-Dichloroethane	ND	*	5.0	0.37	ug/L			08/26/15 21:32	1
cis-1,2-Dichloroethene	ND		5.0	0.16	ug/L			08/26/15 21:32	1
trans-1,2-Dichloroethene	ND		5.0	0.18	ug/L			08/26/15 21:32	1
1,1-Dichloroethene	ND		5.0	0.37	ug/L			08/26/15 21:32	1
1,2-Dichloropropane	ND		5.0	0.32	ug/L			08/26/15 21:32	1
Ethylbenzene	ND		5.0	0.30	ug/L			08/26/15 21:32	1
Hexachlorobutadiene	ND		5.0	0.25	ug/L			08/26/15 21:32	1
Isobutyl alcohol	ND		200	7.3	ug/L			08/26/15 21:32	1
Methylene Chloride	ND		5.0	1.7	ug/L			08/26/15 21:32	1
4-Methyl-2-pentanone (MIBK)	ND		20	0.33	ug/L			08/26/15 21:32	1
Methyl tert-butyl ether	ND		5.0	0.40	ug/L			08/26/15 21:32	1
Trichlorofluoromethane	ND		5.0	0.22	ug/L			08/26/15 21:32	1
Trichloroethene	ND		5.0	0.29	ug/L			08/26/15 21:32	1
1,1,1-Trichloroethane	ND		5.0	0.29	ug/L			08/26/15 21:32	1
Vinyl chloride	ND		5.0	0.43	ug/L			08/26/15 21:32	1
1,1,1,2-Tetrachloroethane	ND		5.0	0.25	ug/L			08/26/15 21:32	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	ug/L			08/26/15 21:32	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/L			08/26/15 21:32	1
Styrene	ND		5.0	0.35	ug/L			08/26/15 21:32	1
Tetrachloroethene	ND		5.0	0.28	ug/L			08/26/15 21:32	1
Toluene	ND		5.0	1.0	ug/L			08/26/15 21:32	1
Xylenes, Total	ND		10	0.85	ug/L			08/26/15 21:32	1
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*		*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 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

Matrix: Water

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

Analyte	Result	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	0.25	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	ug/L			08/24/15 22:17	1
Chlorobenzene	ND		5.0	0.38	ug/L			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	ug/L			08/24/15 22:17	1
Chloroform	ND		5.0	0.15	ug/L			08/24/15 22:17	1
Chloromethane	ND		10	0.55	ug/L			08/24/15 22:17	1
1,2-Dibromo-3-Chloropropane	ND		10	1.2	ug/L			08/24/15 22:17	1
1,1-Dichloroethane	ND		5.0	0.39	ug/L			08/24/15 22:17	1
1,2-Dichloroethane	ND		5.0	0.37	ug/L			08/24/15 22:17	1
cis-1,2-Dichloroethene	ND		5.0	0.16	ug/L			08/24/15 22:17	1
trans-1,2-Dichloroethene	ND		5.0	0.18	ug/L			08/24/15 22:17	1
1,1-Dichloroethene	ND		5.0	0.37	ug/L			08/24/15 22:17	1
1,2-Dichloropropane	ND		5.0	0.32	ug/L			08/24/15 22:17	1
Ethylbenzene	ND		5.0	0.30	ug/L			08/24/15 22:17	1
Hexachlorobutadiene	ND		5.0	0.25	ug/L			08/24/15 22:17	1
Isobutyl alcohol	ND		200	7.3	ug/L			08/24/15 22:17	1
Methylene Chloride	ND		5.0	1.7	ug/L			08/24/15 22:17	1
4-Methyl-2-pentanone (MIBK)	ND		20	0.33	ug/L			08/24/15 22:17	1
Methyl tert-butyl ether	ND		5.0	0.40	ug/L			08/24/15 22:17	1
Trichlorofluoromethane	ND		5.0	0.22	ug/L			08/24/15 22:17	1
Trichloroethene	ND		5.0	0.29	ug/L			08/24/15 22:17	1
1,1,1-Trichloroethane	ND		5.0	0.29	ug/L			08/24/15 22:17	1
Vinyl chloride	ND		5.0	0.43	ug/L			08/24/15 22:17	1
1,1,1,2-Tetrachloroethane	ND		5.0	0.25	ug/L			08/24/15 22:17	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	ug/L			08/24/15 22:17	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/L			08/24/15 22:17	1
Styrene	ND		5.0	0.35	ug/L			08/24/15 22:17	1
Tetrachloroethene	ND		5.0	0.28	ug/L			08/24/15 22:17	1
Toluene	ND		5.0	1.0	ug/L			08/24/15 22:17	1
Xylenes, Total	ND		10	0.85	ug/L			08/24/15 22:17	1
1,3-Dichloropropene, Total	ND		10	0.69	ug/L			08/24/15 22:17	1

Surrogate	*%Recovery*	*Qualifier*	*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*		*80 - 120*		*08/24/15 22:17*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*08/24/15 22:17*	*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

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	11	J	20	6.7	ug/L			08/24/15 22:42	1
Benzene	ND		5.0	0.25	ug/L			08/24/15 22:42	1
Bromoform	ND		5.0	0.37	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	0.40	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	0.16	ug/L			08/24/15 22:42	1
trans-1,2-Dichloroethene	ND		5.0	0.18	ug/L			08/24/15 22:42	1
1,1-Dichloroethene	ND		5.0	0.37	ug/L			08/24/15 22:42	1
1,2-Dichloropropane	ND		5.0	0.32	ug/L			08/24/15 22:42	1
Ethylbenzene	ND		5.0	0.30	ug/L			08/24/15 22:42	1
Hexachlorobutadiene	ND		5.0	0.25	ug/L			08/24/15 22:42	1
Isobutyl alcohol	ND		200	7.3	ug/L			08/24/15 22:42	1
Methylene Chloride	ND		5.0	1.7	ug/L			08/24/15 22:42	1
4-Methyl-2-pentanone (MIBK)	ND		20	0.33	ug/L			08/24/15 22:42	1
Methyl tert-butyl ether	ND		5.0	0.40	ug/L			08/24/15 22:42	1
Trichlorofluoromethane	ND		5.0	0.22	ug/L			08/24/15 22:42	1
Trichloroethene	ND		5.0	0.29	ug/L			08/24/15 22:42	1
1,1,1-Trichloroethane	ND		5.0	0.29	ug/L			08/24/15 22:42	1
Vinyl chloride	ND		5.0	0.43	ug/L			08/24/15 22:42	1
1,1,1,2-Tetrachloroethane	ND		5.0	0.25	ug/L			08/24/15 22:42	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	ug/L			08/24/15 22:42	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/L			08/24/15 22:42	1
Styrene	ND		5.0	0.35	ug/L			08/24/15 22:42	1
Tetrachloroethene	ND		5.0	0.28	ug/L			08/24/15 22:42	1
Toluene	ND		5.0	1.0	ug/L			08/24/15 22:42	1
Xylenes, Total	ND		10	0.85	ug/L			08/24/15 22:42	1
1,3-Dichloropropene, Total	ND		10	0.69	ug/L			08/24/15 22:42	1

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 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

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	12	J	20	6.7	ug/L			08/24/15 23:08	1
Benzene	ND		5.0	0.25	ug/L			08/24/15 23:08	1
Bromoform	ND		5.0	0.37	ug/L			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	1
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	0.39	ug/L			08/24/15 23:08	1
1,2-Dichloroethane	ND		5.0	0.37	ug/L			08/24/15 23:08	1
cis-1,2-Dichloroethene	ND		5.0	0.16	ug/L			08/24/15 23:08	1
trans-1,2-Dichloroethene	ND		5.0	0.18	ug/L			08/24/15 23:08	1
1,1-Dichloroethene	ND		5.0	0.37	ug/L			08/24/15 23:08	1
1,2-Dichloropropane	ND		5.0	0.32	ug/L			08/24/15 23:08	1
Ethylbenzene	ND		5.0	0.30	ug/L			08/24/15 23:08	1
Hexachlorobutadiene	ND		5.0	0.25	ug/L			08/24/15 23:08	1
Isobutyl alcohol	ND		200	7.3	ug/L			08/24/15 23:08	1
Methylene Chloride	ND		5.0	1.7	ug/L			08/24/15 23:08	1
4-Methyl-2-pentanone (MIBK)	ND		20	0.33	ug/L			08/24/15 23:08	1
Methyl tert-butyl ether	ND		5.0	0.40	ug/L			08/24/15 23:08	1
Trichlorofluoromethane	ND		5.0	0.22	ug/L			08/24/15 23:08	1
Trichloroethene	ND		5.0	0.29	ug/L			08/24/15 23:08	1
1,1,1-Trichloroethane	ND		5.0	0.29	ug/L			08/24/15 23:08	1
Vinyl chloride	ND		5.0	0.43	ug/L			08/24/15 23:08	1
1,1,1,2-Tetrachloroethane	ND		5.0	0.25	ug/L			08/24/15 23:08	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	ug/L			08/24/15 23:08	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/L			08/24/15 23:08	1
Styrene	ND		5.0	0.35	ug/L			08/24/15 23:08	1
Tetrachloroethene	ND		5.0	0.28	ug/L			08/24/15 23:08	1
Toluene	ND		5.0	1.0	ug/L			08/24/15 23:08	1
Xylenes, Total	ND		10	0.85	ug/L			08/24/15 23:08	1
1,3-Dichloropropene, Total	ND		10	0.69	ug/L			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
Date Received: 08/20/15 09:15

Lab Sample ID: 160-13469-53
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	13	J	20	6.7	ug/L			08/24/15 23:33	1
Benzene	ND		5.0	0.25	ug/L			08/24/15 23:33	1
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	1
Bromomethane	ND		10	0.40	ug/L			08/24/15 23:33	1
2-Butanone (MEK)	ND		20	0.39	ug/L			08/24/15 23:33	1
Carbon disulfide	ND		5.0	0.37	ug/L			08/24/15 23:33	1
Carbon tetrachloride	ND		5.0	0.36	ug/L			08/24/15 23:33	1
Chlorobenzene	ND		5.0	0.38	ug/L			08/24/15 23:33	1
Chlorodibromomethane	ND		5.0	0.33	ug/L			08/24/15 23:33	1
Chloroethane	ND		10	0.38	ug/L			08/24/15 23:33	1
Chloroform	ND		5.0	0.15	ug/L			08/24/15 23:33	1
Chloromethane	ND		10	0.55	ug/L			08/24/15 23:33	1
1,2-Dibromo-3-Chloropropane	ND		10	1.2	ug/L			08/24/15 23:33	1
1,1-Dichloroethane	ND		5.0	0.39	ug/L			08/24/15 23:33	1
1,2-Dichloroethane	ND		5.0	0.37	ug/L			08/24/15 23:33	1
cis-1,2-Dichloroethene	ND		5.0	0.16	ug/L			08/24/15 23:33	1
trans-1,2-Dichloroethene	ND		5.0	0.18	ug/L			08/24/15 23:33	1
1,1-Dichloroethene	ND		5.0	0.37	ug/L			08/24/15 23:33	1
1,2-Dichloropropane	ND		5.0	0.32	ug/L			08/24/15 23:33	1
Ethylbenzene	ND		5.0	0.30	ug/L			08/24/15 23:33	1
Hexachlorobutadiene	ND		5.0	0.25	ug/L			08/24/15 23:33	1
Isobutyl alcohol	ND		200	7.3	ug/L			08/24/15 23:33	1
Methylene Chloride	ND		5.0	1.7	ug/L			08/24/15 23:33	1
4-Methyl-2-pentanone (MIBK)	ND		20	0.33	ug/L			08/24/15 23:33	1
Methyl tert-butyl ether	ND		5.0	0.40	ug/L			08/24/15 23:33	1
Trichlorofluoromethane	ND		5.0	0.22	ug/L			08/24/15 23:33	1
Trichloroethene	ND		5.0	0.29	ug/L			08/24/15 23:33	1
1,1,1-Trichloroethane	ND		5.0	0.29	ug/L			08/24/15 23:33	1
Vinyl chloride	ND		5.0	0.43	ug/L			08/24/15 23:33	1
1,1,1,2-Tetrachloroethane	ND		5.0	0.25	ug/L			08/24/15 23:33	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.43	ug/L			08/24/15 23:33	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/L			08/24/15 23:33	1
Styrene	ND		5.0	0.35	ug/L			08/24/15 23:33	1
Tetrachloroethene	ND		5.0	0.28	ug/L			08/24/15 23:33	1
Toluene	ND		5.0	1.0	ug/L			08/24/15 23:33	1
Xylenes, Total	ND		10	0.85	ug/L			08/24/15 23:33	1
1,3-Dichloropropene, Total	ND		10	0.69	ug/L			08/24/15 23:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*78 - 127*		*08/24/15 23:33*	*1*
4-Bromofluorobenzene (Surr)	*95*		*75 - 123*		*08/24/15 23:33*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*08/24/15 23:33*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*08/24/15 23:33*	*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

Analyte	MB Result	MB 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	0.41	ug/Kg		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	0.35	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	0.32	ug/Kg		08/23/15 03:00	08/23/15 05:50	1
Trichloroethene	1.07	J	5.0	0.39	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	0.50	ug/Kg		08/23/15 03:00	08/23/15 05:50	1
Vinyl chloride	ND		5.0	0.43	ug/Kg		08/23/15 03:00	08/23/15 05:50	1
Xylenes, Total	ND		10	0.85	ug/Kg		08/23/15 03:00	08/23/15 05:50	1
1,3-Dichloropropene, Total	ND		10	0.95	ug/Kg		08/23/15 03:00	08/23/15 05:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*72 - 127*	*08/23/15 03:00*	*08/23/15 05:50*	*1*
4-Bromofluorobenzene (Surr)	*131*		*63 - 150*	*08/23/15 03:00*	*08/23/15 05:50*	*1*
Dibromofluoromethane (Surr)	*102*		*70 - 126*	*08/23/15 03:00*	*08/23/15 05:50*	*1*
Toluene-d8 (Surr)	*118*		*80 - 120*	*08/23/15 03:00*	*08/23/15 05:50*	*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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%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	

Surrogate	*LCS %Recovery*	*LCS 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*

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane	50.0	46.6		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		9	

Surrogate	*LCSD %Recovery*	*LCSD 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*

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	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	ND		48.4	45.9		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	☼	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	☼	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	☼	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	J F2	96.9	89.1		ug/Kg	☼	91	72 - 125

Surrogate	*MS %Recovery*	*MS 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*

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

Lab Sample ID: 160-13469-16 MSD
Matrix: Solid
Analysis Batch: 207160

Client Sample ID: 2015.08.17.H-4
Prep Type: Total/NA
Prep Batch: 207159

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND		53.7	54.8		ug/Kg	☼	102	80 - 120	18	20
1,1,1-Trichloroethane	ND	F2	53.7	55.6	F2	ug/Kg	☼	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	☼	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		16	
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	F2	ug/Kg	☼	100	80 - 120	21	20
Bromodichloromethane	ND		53.7	55.9		ug/Kg	☼	104	77 - 131	15	20
Bromoform	ND	*	53.7	57.8		ug/Kg	☼	108	80 - 120	14	20
Bromomethane	ND		53.7	45.6		ug/Kg	☼	85	61 - 134	16	20
Carbon disulfide	ND		53.7	50.8		ug/Kg	☼	95	74 - 125	19	20
Carbon tetrachloride	ND	F2	53.7	54.6	F2	ug/Kg	☼	102	67 - 140	22	20
Chlorobenzene	ND	F2	53.7	53.8	F2	ug/Kg	☼	100	76 - 117	22	20
Chlorodibromomethane	ND		53.7	56.0		ug/Kg	☼	104	80 - 120	10	20
Chloroethane	ND		53.7	44.9		ug/Kg	☼	84	65 - 134	15	20
Chloroform	ND		53.7	52.3		ug/Kg	☼	98	79 - 124	16	20
Chloromethane	ND		53.7	50.8		ug/Kg	☼	95	56 - 139	14	20
cis-1,2-Dichloroethene	ND		53.7	54.2		ug/Kg	☼	101	75 - 121	17	20
Ethylbenzene	ND	F2	53.7	59.1	F2	ug/Kg	☼	110	80 - 120	24	20
Hexachlorobutadiene	ND	F2 *	53.7	45.6	F2	ug/Kg	☼	85	10 - 146	73	20
Isobutyl alcohol	ND		1340	1220		ug/Kg	☼	91	43 - 136	11	20
Methyl tert-butyl ether	ND		53.7	55.1		ug/Kg	☼	103	67 - 138	4	20
Methylene Chloride	ND		53.7	50.7		ug/Kg	☼	94	74 - 123	14	20
Styrene	ND		53.7	59.4		ug/Kg	☼	111	80 - 122	20	20
Tetrachloroethene	ND	F2	53.7	51.9	F2	ug/Kg	☼	97	77 - 128	24	20
Toluene	ND	F2	53.7	57.4	F2	ug/Kg	☼	107	79 - 139	22	20
trans-1,2-Dichloroethene	ND		53.7	51.4		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		53.7	46.3		ug/Kg	☼	86	59 - 125	17	20
Xylenes, Total	0.92	J F2	107	113	F2	ug/Kg	☼	105	72 - 125	24	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*109*		*72 - 127*
4-Bromofluorobenzene (Surr)	*136*		*63 - 150*
Dibromofluoromethane (Surr)	*102*		*70 - 126*
Toluene-d8 (Surr)	*118*		*80 - 120*

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		10	1.2	ug/L			08/24/15 16:58	1
1,1-Dichloroethane	ND		5.0	0.39	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	1
1,3-Dichloropropene, Total	ND		10	0.69	ug/L			08/24/15 16:58	1

Surrogate	*MB %Recovery*	*MB 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*

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%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	

Surrogate	*LCS %Recovery*	*LCS 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*

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 Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane	50.0	50.7		ug/L		101	69 - 135	1	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	

Surrogate	*LCSD %Recovery*	*LCSD 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*

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

Analyte	MB Result	MB 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	ug/L			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	ug/L			08/26/15 20:53	1
Vinyl chloride	ND		5.0	0.43	ug/L			08/26/15 20:53	1
Xylenes, Total	ND		10	0.85	ug/L			08/26/15 20:53	1
1,3-Dichloropropene, Total	ND		10	0.69	ug/L			08/26/15 20:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*88*		*78 - 127*		*08/26/15 20:53*	*1*
4-Bromofluorobenzene (Surr)	*99*		*75 - 123*		*08/26/15 20:53*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*08/26/15 20:53*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*08/26/15 20:53*	*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 Result	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	

Surrogate	*LCS %Recovery*	*LCS 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*

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 Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane	50.0	49.6		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	1	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	

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

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

Lab Sample ID: MB 160-208225/1-A
Matrix: Solid
Analysis Batch: 208216

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 208225

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	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	ug/Kg		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	0.52	ug/Kg		08/27/15 15:48	08/27/15 17:20	1
4-Methyl-2-pentanone (MIBK)	ND		20	0.73	ug/Kg		08/27/15 15:48	08/27/15 17:20	1
Chloroform	ND		5.0	0.38	ug/Kg		08/27/15 15:48	08/27/15 17:20	1
Chloromethane	ND		10	0.65	ug/Kg		08/27/15 15:48	08/27/15 17:20	1
cis-1,2-Dichloroethene	ND		5.0	0.60	ug/Kg		08/27/15 15:48	08/27/15 17:20	1
1,1,1-Trichloroethane	ND		5.0	0.43	ug/Kg		08/27/15 15:48	08/27/15 17:20	1
Ethylbenzene	ND		5.0	0.30	ug/Kg		08/27/15 15:48	08/27/15 17:20	1
Hexachlorobutadiene	ND		5.0	0.68	ug/Kg		08/27/15 15:48	08/27/15 17:20	1
Isobutyl alcohol	ND		200	25	ug/Kg		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	1.6	ug/Kg		08/27/15 15:48	08/27/15 17:20	1
1,1,1,2-Tetrachloroethane	ND		5.0	0.35	ug/Kg		08/27/15 15:48	08/27/15 17:20	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.40	ug/Kg		08/27/15 15:48	08/27/15 17:20	1
1,1,2-Trichloroethane	ND		5.0	0.57	ug/Kg		08/27/15 15:48	08/27/15 17:20	1
trans-1,2-Dichloroethene	ND		5.0	0.94	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	0.32	ug/Kg		08/27/15 15:48	08/27/15 17:20	1
Trichloroethene	ND		5.0	0.39	ug/Kg		08/27/15 15:48	08/27/15 17:20	1
Toluene	ND		5.0	0.70	ug/Kg		08/27/15 15:48	08/27/15 17:20	1
Trichlorofluoromethane	ND		5.0	0.50	ug/Kg		08/27/15 15:48	08/27/15 17:20	1
Vinyl chloride	ND		5.0	0.43	ug/Kg		08/27/15 15:48	08/27/15 17:20	1
Xylenes, Total	ND		10	0.85	ug/Kg		08/27/15 15:48	08/27/15 17:20	1
1,3-Dichloropropene, Total	ND		10	0.95	ug/Kg		08/27/15 15:48	08/27/15 17:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*86*		*72 - 127*	*08/27/15 15:48*	*08/27/15 17:20*	*1*
4-Bromofluorobenzene (Surr)	*98*		*63 - 150*	*08/27/15 15:48*	*08/27/15 17:20*	*1*
Dibromofluoromethane (Surr)	*94*		*70 - 126*	*08/27/15 15:48*	*08/27/15 17:20*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*	*08/27/15 15:48*	*08/27/15 17:20*	*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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%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	

Surrogate	*LCS %Recovery*	*LCS 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*

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

Lab Sample ID: LCSD 160-208225/3-A
Matrix: Solid
Analysis Batch: 208216

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 208225

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane	50.0	52.1		ug/Kg		104	75 - 129	1	20
1,1-Dichloroethane	50.0	46.4		ug/Kg		93	80 - 120	2	20
2-Butanone (MEK)	50.0	46.7		ug/Kg		93	61 - 134	0	20
1,2-Dichloroethane	50.0	39.0		ug/Kg		78	76 - 125	3	20
Acetone	50.0	48.7		ug/Kg		97	59 - 129	15	20
1,1-Dichloroethene	50.0	55.9		ug/Kg		112	80 - 120	7	20
Benzene	50.0	49.1		ug/Kg		98	80 - 120	1	20
1,2-Dichloropropane	50.0	46.8		ug/Kg		94	80 - 120	3	20
Bromodichloromethane	50.0	44.4		ug/Kg		89	80 - 120	3	20
Bromoform	50.0	52.3		ug/Kg		105	84 - 126	0	20
Bromomethane	50.0	42.8		ug/Kg		86	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	

Surrogate	*LCSD %Recovery*	*LCSD 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*

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

Lab Sample ID: 160-13469-23 MS
Matrix: Solid
Analysis Batch: 208216

Client Sample ID: 2015 08 17 M1
Prep Type: Total/NA
Prep Batch: 208225

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%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	☼	84	83 - 128
1,1,2,2-Tetrachloroethane	ND	F2	66.0	73.6		ug/Kg	☼	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	J F1	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	☼	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	☼	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	☼	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	ND	F2	66.0	54.4		ug/Kg	☼	82	75 - 123
Trichlorofluoromethane	ND	F2	66.0	60.2		ug/Kg	☼	91	67 - 146
Vinyl chloride	ND	F2	66.0	49.2		ug/Kg	☼	75	59 - 125
Xylenes, Total	ND	F2	132	128		ug/Kg	☼	97	72 - 125

Surrogate	*MS %Recovery*	*MS 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*

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

Lab Sample ID: 160-13469-23 MSD
Matrix: Solid
Analysis Batch: 208216

Client Sample ID: 2015 08 17 M1
Prep Type: Total/NA
Prep Batch: 208225

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND	F2	48.1	48.4	F2	ug/Kg	☼	101	80 - 120	30	20
1,1,1-Trichloroethane	ND	F2	48.1	42.7	F2	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	F2	48.1	54.1	F2	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	☼	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	☼	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	☼	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	J F1	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	☼	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	☼	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	☼	94	79 - 124	29	20
Chloromethane	ND	F2	48.1	44.9	F2	ug/Kg	☼	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	☼	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	F2	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	F2	96.2	95.6	F2	ug/Kg	☼	99	72 - 125	29	20

Surrogate	*MSD %Recovery*	*MSD 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*

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

Lab Sample ID: MB 160-208436/1-A
Matrix: Solid
Analysis Batch: 208418

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 208436

Analyte	MB Result	MB 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	0.60	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	0.35	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	0.94	ug/Kg		08/28/15 15:59	08/28/15 17:31	1
Styrene	ND		5.0	0.35	ug/Kg		08/28/15 15:59	08/28/15 17:31	1
Tetrachloroethene	ND		5.0	0.32	ug/Kg		08/28/15 15:59	08/28/15 17:31	1
Trichloroethene	ND		5.0	0.39	ug/Kg		08/28/15 15:59	08/28/15 17:31	1
Toluene	ND		5.0	0.70	ug/Kg		08/28/15 15:59	08/28/15 17:31	1
Trichlorofluoromethane	ND		5.0	0.50	ug/Kg		08/28/15 15:59	08/28/15 17:31	1
Vinyl chloride	ND		5.0	0.43	ug/Kg		08/28/15 15:59	08/28/15 17:31	1
Xylenes, Total	ND		10	0.85	ug/Kg		08/28/15 15:59	08/28/15 17:31	1
1,3-Dichloropropene, Total	ND		10	0.95	ug/Kg		08/28/15 15:59	08/28/15 17:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*88*		*72 - 127*	*08/28/15 15:59*	*08/28/15 17:31*	*1*
4-Bromofluorobenzene (Surr)	*101*		*63 - 150*	*08/28/15 15:59*	*08/28/15 17:31*	*1*
Dibromofluoromethane (Surr)	*97*		*70 - 126*	*08/28/15 15:59*	*08/28/15 17:31*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*	*08/28/15 15:59*	*08/28/15 17:31*	*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	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	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	

Surrogate	*LCS %Recovery*	*LCS 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*

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	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	0	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	

Surrogate	*LCSD %Recovery*	*LCSD 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*

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

Lab Sample ID: 160-13469-37 MS
Matrix: Solid
Analysis Batch: 208418

Client Sample ID: 2015 08 18 P0.4
Prep Type: Total/NA
Prep Batch: 208436

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	ND		46.3	46.1		ug/Kg	☼	99	80 - 120
1,1,1-Trichloroethane	ND		46.3	39.4		ug/Kg	☼	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	☼	91	56 - 130
4-Methyl-2-pentanone (MIBK)	ND		46.3	45.1		ug/Kg	☼	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	☼	92	77 - 131
Bromoform	ND		46.3	48.1		ug/Kg	☼	104	80 - 120
Bromomethane	ND		46.3	35.5		ug/Kg	☼	77	61 - 134
Carbon disulfide	ND		46.3	48.1		ug/Kg	☼	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	☼	100	80 - 120
Chloroethane	ND		46.3	33.0		ug/Kg	☼	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

Surrogate	*MS %Recovery*	*MS 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*

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

Lab Sample ID: 160-13469-37 MSD
Matrix: Solid
Analysis Batch: 208418

Client Sample ID: 2015 08 18 P0.4
Prep Type: Total/NA
Prep Batch: 208436

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND		49.1	48.9		ug/Kg	☼	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	☼	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	☼	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	☼	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	☼	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	☼	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	☼	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	☼	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	☼	102	72 - 125	8	20

Surrogate	*MSD %Recovery*	*MSD 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*

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

Lab Sample ID: 160-13469-41 MS
Matrix: Solid
Analysis Batch: 208418

Client Sample ID: 2015 08 18 F7.5
Prep Type: Total/NA
Prep Batch: 208436

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%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	F2	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	☼	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	☼	102	80 - 120
1,3-Dichloropropene, Total	ND		143	146		ug/Kg	☼	102	
2-Butanone (MEK)	ND	F2	71.7	73.2		ug/Kg	☼	102	56 - 130
4-Methyl-2-pentanone (MIBK)	ND	F2	71.7	77.4		ug/Kg	☼	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	F2	143	140		ug/Kg	☼	98	72 - 125

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*72 - 127*
4-Bromofluorobenzene (Surr)	*101*		*63 - 150*
Dibromofluoromethane (Surr)	*101*		*70 - 126*
Toluene-d8 (Surr)	*103*		*80 - 120*

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

Lab Sample ID: 160-13469-41 MSD
Matrix: Solid
Analysis Batch: 208418

Client Sample ID: 2015 08 18 F7.5
Prep Type: Total/NA
Prep Batch: 208436

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND	F2	55.7	56.3	F2	ug/Kg	☼	101	80 - 120	23	20
1,1,1-Trichloroethane	ND	F2	55.7	52.4	F2	ug/Kg	☼	94	83 - 128	21	20
1,1,2,2-Tetrachloroethane	ND	F2	55.7	62.1	F2	ug/Kg	☼	111	55 - 150	24	20
1,1,2-Trichloroethane	ND	F2	55.7	60.7	F2	ug/Kg	☼	109	80 - 120	23	20
1,1-Dichloroethane	ND	F2	55.7	57.7	F2	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	F2	ug/Kg	☼	91	64 - 137	30	20
1,2-Dichloropropane	ND	F2	55.7	56.9	F2	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	92.6	F2	ug/Kg	☼	125	35 - 150	45	20
Benzene	ND	F2	55.7	58.4	F2	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	☼	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	☼	100	56 - 139	24	20
cis-1,2-Dichloroethene	ND	F2	55.7	58.2	F2	ug/Kg	☼	104	75 - 121	22	20
Ethylbenzene	ND		55.7	52.0		ug/Kg	☼	93	80 - 120	20	20
Hexachlorobutadiene	ND		55.7	47.9		ug/Kg	☼	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	☼	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	F2	ug/Kg	☼	92	59 - 125	22	20
Xylenes, Total	ND	F2	111	114	F2	ug/Kg	☼	102	72 - 125	21	20

Surrogate	*MSD %Recovery*	*MSD 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*

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

Lab Sample ID: MB 160-208823/1-A
Matrix: Solid
Analysis Batch: 208822

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 208823

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		10	1.5	ug/Kg		08/31/15 19:37	08/31/15 21:34	1
1,1-Dichloroethane	ND		5.0	0.39	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	0.73	ug/Kg		08/31/15 19:37	08/31/15 21:34	1
Chloroform	ND		5.0	0.38	ug/Kg		08/31/15 19:37	08/31/15 21:34	1
Chloromethane	ND		10	0.65	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	0.68	ug/Kg		08/31/15 19:37	08/31/15 21:34	1
Isobutyl alcohol	ND		200	25	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	1
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	0.35	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	0.94	ug/Kg		08/31/15 19:37	08/31/15 21:34	1
Styrene	ND		5.0	0.35	ug/Kg		08/31/15 19:37	08/31/15 21:34	1
Tetrachloroethene	ND		5.0	0.32	ug/Kg		08/31/15 19:37	08/31/15 21:34	1
Trichloroethene	ND		5.0	0.39	ug/Kg		08/31/15 19:37	08/31/15 21:34	1
Toluene	ND		5.0	0.70	ug/Kg		08/31/15 19:37	08/31/15 21:34	1
Trichlorofluoromethane	ND		5.0	0.50	ug/Kg		08/31/15 19:37	08/31/15 21:34	1
Vinyl chloride	ND		5.0	0.43	ug/Kg		08/31/15 19:37	08/31/15 21:34	1
Xylenes, Total	ND		10	0.85	ug/Kg		08/31/15 19:37	08/31/15 21:34	1
1,3-Dichloropropene, Total	ND		10	0.95	ug/Kg		08/31/15 19:37	08/31/15 21:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*72 - 127*	*08/31/15 19:37*	*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*

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

Lab Sample ID: LCS 160-208823/2-A
Matrix: Solid
Analysis Batch: 208822

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 208823

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	50.0	46.2		ug/Kg		92	75 - 129
1,1-Dichloroethane	50.0	46.9		ug/Kg		94	80 - 120
2-Butanone (MEK)	50.0	59.5		ug/Kg		119	61 - 134
1,2-Dichloroethane	50.0	54.9		ug/Kg		110	76 - 125
Acetone	50.0	55.8		ug/Kg		112	59 - 129
1,1-Dichloroethene	50.0	44.2		ug/Kg		88	80 - 120
Benzene	50.0	52.1		ug/Kg		104	80 - 120
1,2-Dichloropropane	50.0	52.9		ug/Kg		106	80 - 120
Bromodichloromethane	50.0	55.3		ug/Kg		111	80 - 120
Bromoform	50.0	57.0		ug/Kg		114	84 - 126
Bromomethane	50.0	41.6		ug/Kg		83	74 - 128
Carbon disulfide	50.0	43.9		ug/Kg		88	79 - 121
Carbon tetrachloride	50.0	47.4		ug/Kg		95	80 - 125
Chlorobenzene	50.0	50.9		ug/Kg		102	80 - 120
Chlorodibromomethane	50.0	54.3		ug/Kg		109	80 - 120
Chloroethane	50.0	43.6		ug/Kg		87	73 - 129
4-Methyl-2-pentanone (MIBK)	50.0	56.4		ug/Kg		113	75 - 127
Chloroform	50.0	47.5		ug/Kg		95	80 - 120
Chloromethane	50.0	47.0		ug/Kg		94	70 - 129
cis-1,2-Dichloroethene	50.0	46.8		ug/Kg		94	80 - 120
1,1,1-Trichloroethane	50.0	46.9		ug/Kg		94	81 - 124
Ethylbenzene	50.0	52.8		ug/Kg		106	80 - 120
Hexachlorobutadiene	50.0	47.7		ug/Kg		95	61 - 131
Isobutyl alcohol	1250	1390		ug/Kg		111	61 - 140
Methyl tert-butyl ether	50.0	50.8		ug/Kg		102	83 - 124
Methylene Chloride	50.0	44.1		ug/Kg		88	80 - 120
1,1,1,2-Tetrachloroethane	50.0	46.5		ug/Kg		93	80 - 120
1,1,2,2-Tetrachloroethane	50.0	52.9		ug/Kg		106	78 - 121
1,1,2-Trichloroethane	50.0	50.7		ug/Kg		101	80 - 120
trans-1,2-Dichloroethene	50.0	43.6		ug/Kg		87	80 - 120
Styrene	50.0	56.0		ug/Kg		112	80 - 120
Tetrachloroethene	50.0	47.2		ug/Kg		94	80 - 120
Trichloroethene	50.0	51.8		ug/Kg		104	80 - 120
Toluene	50.0	51.1		ug/Kg		102	80 - 120
Trichlorofluoromethane	50.0	52.0		ug/Kg		104	77 - 132
Vinyl chloride	50.0	40.6		ug/Kg		81	65 - 123
Xylenes, Total	100	97.0		ug/Kg		97	80 - 120
1,3-Dichloropropene, Total	100	126		ug/Kg		126	

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*111*		*72 - 127*
4-Bromofluorobenzene (Surr)	*117*		*63 - 150*
Dibromofluoromethane (Surr)	*91*		*70 - 126*
Toluene-d8 (Surr)	*102*		*80 - 120*

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

Lab Sample ID: LCSD 160-208823/3-A
Matrix: Solid
Analysis Batch: 208822

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 208823

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	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	0	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	

Surrogate	*LCSD %Recovery*	*LCSD 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*

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

Analyte	MB Result	MB 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	08/28/15 01:03	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	08/28/15 01:03	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	08/28/15 01:03	1
Benzo[a]pyrene	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 01:03	1
Benzo[b]fluoranthene	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 01:03	1
Benzo[k]fluoranthene	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 01:03	1
bis (2-chloroisopropyl) ether	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 01:03	1
Bis(2-chloroethyl)ether	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 01:03	1
Bis(2-ethylhexyl) phthalate	ND		10	1.9	ug/L		08/21/15 12:20	08/28/15 01:03	1
Butyl benzyl phthalate	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 01:03	1
Chrysene	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 01:03	1
Dibenz(a,h)anthracene	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 01:03	1
Dibenzofuran	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 01:03	1
Diethyl phthalate	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 01:03	1
Dimethyl phthalate	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 01:03	1
Di-n-butyl phthalate	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 01:03	1
Di-n-octyl phthalate	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 01:03	1
Fluoranthene	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 01:03	1
Fluorene	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 01:03	1
Hexachlorobenzene	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 01:03	1
Hexachlorobutadiene	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 01:03	1
Hexachlorocyclopentadiene	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 01:03	1
Hexachloroethane	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 01:03	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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 01:03	1
Isophorone	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 01:03	1
Naphthalene	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 01:03	1
Nitrobenzene	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 01:03	1
N-Nitrosodi-n-propylamine	ND		10	1.5	ug/L		08/21/15 12:20	08/28/15 01:03	1
Pentachlorophenol	ND		10	1.3	ug/L		08/21/15 12:20	08/28/15 01:03	1
Phenanthrene	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 01:03	1
Phenol	ND		10	2.0	ug/L		08/21/15 12:20	08/28/15 01:03	1
Diphenylamine	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 01:03	1
Pyrene	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 01:03	1
N-Nitrosodiphenylamine	ND		10	1.0	ug/L		08/21/15 12:20	08/28/15 01:03	1

Surrogate	*MB %Recovery*	*MB 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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%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

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%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

Surrogate	*LCS %Recovery*	*LCS 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

Analyte	MB Result	MB 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

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

Analyte	MB Result	MB 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	ug/Kg		08/26/15 12:51	08/28/15 18:05	1
2-Chlorophenol	ND		330	33	ug/Kg		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	33	ug/Kg		08/26/15 12:51	08/28/15 18:05	1
3,3'-Dichlorobenzidine	ND		1600	330	ug/Kg		08/26/15 12:51	08/28/15 18:05	1
3-Nitroaniline	ND		330	33	ug/Kg		08/26/15 12:51	08/28/15 18:05	1
4-Nitroaniline	ND		1600	330	ug/Kg		08/26/15 12:51	08/28/15 18:05	1
4-Nitrophenol	ND		1600	330	ug/Kg		08/26/15 12:51	08/28/15 18:05	1
Acenaphthene	ND		330	33	ug/Kg		08/26/15 12:51	08/28/15 18:05	1
Acenaphthylene	ND		330	33	ug/Kg		08/26/15 12:51	08/28/15 18:05	1
Aniline	ND		330	60	ug/Kg		08/26/15 12:51	08/28/15 18:05	1
Anthracene	ND		330	33	ug/Kg		08/26/15 12:51	08/28/15 18:05	1
Benzo[a]anthracene	ND		330	33	ug/Kg		08/26/15 12:51	08/28/15 18:05	1
Benzo[a]pyrene	ND		330	33	ug/Kg		08/26/15 12:51	08/28/15 18:05	1
Benzo[b]fluoranthene	ND		330	33	ug/Kg		08/26/15 12:51	08/28/15 18:05	1
Benzo[k]fluoranthene	ND		330	33	ug/Kg		08/26/15 12:51	08/28/15 18:05	1
bis (2-chloroisopropyl) ether	ND		330	33	ug/Kg		08/26/15 12:51	08/28/15 18:05	1
Bis(2-chloroethyl)ether	ND		330	33	ug/Kg		08/26/15 12:51	08/28/15 18:05	1
Bis(2-ethylhexyl) phthalate	ND		330	45	ug/Kg		08/26/15 12:51	08/28/15 18:05	1
Butyl benzyl phthalate	ND		330	33	ug/Kg		08/26/15 12:51	08/28/15 18:05	1
Chrysene	ND		330	33	ug/Kg		08/26/15 12:51	08/28/15 18:05	1
Dibenz(a,h)anthracene	ND		330	33	ug/Kg		08/26/15 12:51	08/28/15 18:05	1
Dibenzofuran	ND		330	33	ug/Kg		08/26/15 12:51	08/28/15 18:05	1
Diethyl phthalate	ND		330	33	ug/Kg		08/26/15 12:51	08/28/15 18:05	1
Dimethyl phthalate	ND		330	33	ug/Kg		08/26/15 12:51	08/28/15 18:05	1
Di-n-butyl phthalate	ND		330	33	ug/Kg		08/26/15 12:51	08/28/15 18:05	1
Di-n-octyl phthalate	ND		330	33	ug/Kg		08/26/15 12:51	08/28/15 18:05	1
Fluoranthene	ND		330	33	ug/Kg		08/26/15 12:51	08/28/15 18:05	1
Fluorene	ND		330	33	ug/Kg		08/26/15 12:51	08/28/15 18:05	1
Hexachlorobenzene	ND		330	33	ug/Kg		08/26/15 12:51	08/28/15 18:05	1
Hexachlorobutadiene	ND		330	33	ug/Kg		08/26/15 12:51	08/28/15 18:05	1
Hexachlorocyclopentadiene	ND		1600	330	ug/Kg		08/26/15 12:51	08/28/15 18:05	1
Hexachloroethane	ND		330	33	ug/Kg		08/26/15 12:51	08/28/15 18:05	1
Indeno[1,2,3-cd]pyrene	ND		330	33	ug/Kg		08/26/15 12:51	08/28/15 18:05	1
Isophorone	ND		330	33	ug/Kg		08/26/15 12:51	08/28/15 18:05	1
Naphthalene	ND		330	33	ug/Kg		08/26/15 12:51	08/28/15 18:05	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

Analyte	MB Result	MB 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

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*77*		*46 - 111*	*08/26/15 12:51*	*08/28/15 18:05*	*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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%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		ug/Kg		72	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 *	ug/Kg		18	20 - 100
2,4-Dinitrotoluene	6670	5370		ug/Kg		81	61 - 103
2,6-Dinitrotoluene	6670	5120		ug/Kg		77	63 - 99
2-Chloronaphthalene	6670	4960		ug/Kg		74	61 - 94
2-Chlorophenol	6670	4900		ug/Kg		73	60 - 91
2-Methylnaphthalene	6670	4930		ug/Kg		74	59 - 90
2-Nitroaniline	6670	4750		ug/Kg		71	58 - 105
3,3'-Dichlorobenzidine	6670	5040		ug/Kg		76	50 - 90
3-Nitroaniline	6670	4730		ug/Kg		71	55 - 91
4-Nitroaniline	6670	4770		ug/Kg		72	57 - 94
4-Nitrophenol	6670	4630		ug/Kg		69	54 - 101
Acenaphthene	6670	4850		ug/Kg		73	63 - 95
Acenaphthylene	6670	4900		ug/Kg		74	62 - 98
Anthracene	6670	4870		ug/Kg		73	63 - 100
Benzo[a]anthracene	6670	5090		ug/Kg		76	74 - 114
Benzo[a]pyrene	6670	5170		ug/Kg		78	63 - 103
Benzo[b]fluoranthene	6670	5350		ug/Kg		80	68 - 109
Benzo[k]fluoranthene	6670	4760		ug/Kg		71	69 - 111

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%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

Surrogate	*LCS %Recovery*	*LCS 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: 2015.08.17.H-4
Prep Type: Total/NA
Prep Batch: 207953

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%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	☼	71	55 - 95
2,4,6-Trichlorophenol	ND		8460	5920		ug/Kg	☼	70	48 - 98

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

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-Dichlorophenol	ND		8460	5650		ug/Kg	☼	67	47 - 94
2,4-Dimethylphenol	ND		8460	5450		ug/Kg	☼	64	33 - 109
2,4-Dinitrophenol	ND	*	8460	3610		ug/Kg	☼	43	13 - 103
2,4-Dinitrotoluene	ND		8460	5830		ug/Kg	☼	69	55 - 108
2,6-Dinitrotoluene	ND		8460	5710		ug/Kg	☼	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	☼	60	10 - 84
3-Nitroaniline	ND		8460	5010		ug/Kg	☼	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	☼	65	57 - 94
Acenaphthylene	ND		8460	5520		ug/Kg	☼	65	57 - 97
Anthracene	ND		8460	5560		ug/Kg	☼	66	58 - 99
Benzo[a]anthracene	ND		8460	5750		ug/Kg	☼	68	68 - 114
Benzo[a]pyrene	ND		8460	5890		ug/Kg	☼	70	61 - 102
Benzo[b]fluoranthene	ND		8460	5900		ug/Kg	☼	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	☼	54	42 - 97
Bis(2-chloroethyl)ether	ND		8460	5010		ug/Kg	☼	59	50 - 88
Bis(2-ethylhexyl) phthalate	ND		8460	5660		ug/Kg	☼	67	60 - 110
Butyl benzyl phthalate	ND		8460	5690		ug/Kg	☼	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	☼	67	59 - 100
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
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
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	☼	62	52 - 86
Nitrobenzene	ND		8460	5170		ug/Kg	☼	61	52 - 90
N-Nitrosodi-n-propylamine	ND		8460	5150		ug/Kg	☼	61	55 - 99
Pentachlorophenol	ND		8460	5730		ug/Kg	☼	68	35 - 104
Phenanthrene	ND		8460	5500		ug/Kg	☼	65	60 - 98
Phenol	ND		8460	4900		ug/Kg	☼	58	43 - 90
Pyrene	ND		8460	5750		ug/Kg	☼	68	53 - 106
N-Nitrosodiphenylamine	ND		8460	6580		ug/Kg	☼	78	52 - 131

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

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	MS %Recovery	MS 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
Analysis Batch: 208439

Client Sample ID: 2015.08.17.H-4
Prep Type: Total/NA
Prep Batch: 207953

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	ND		8450	5800		ug/Kg	☼	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	☼	71	48 - 98	1	30
2,4-Dichlorophenol	ND		8450	5730		ug/Kg	☼	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	☼	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	☼	57	44 - 103	3	30
4-Nitroaniline	ND		8450	4830		ug/Kg	☼	57	43 - 102	5	30
4-Nitrophenol	ND		8450	4730		ug/Kg	☼	56	48 - 105	4	30
Acenaphthene	ND		8450	5490		ug/Kg	☼	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	☼	69	61 - 102	1	30
Benzo[b]fluoranthene	ND		8450	5770		ug/Kg	☼	68	63 - 107	2	30
Benzo[k]fluoranthene	ND	F1	8450	5480		ug/Kg	☼	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	☼	67	60 - 110	1	30
Butyl benzyl phthalate	ND		8450	5690		ug/Kg	☼	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	☼	66	59 - 100	1	30
Di-n-butyl phthalate	ND		8450	5500		ug/Kg	☼	65	58 - 106	0	30

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Di-n-octyl phthalate	ND		8450	5790		ug/Kg	☼	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	☼	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

Surrogate	*MSD %Recovery*	*MSD 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

Analyte	MB Result	MB 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

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

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

Analyte	MB Result	MB 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	330	ug/Kg		08/31/15 10:17	09/02/15 10:09	1
4-Nitrophenol	ND		1600	330	ug/Kg		08/31/15 10:17	09/02/15 10:09	1
Acenaphthene	ND		330	33	ug/Kg		08/31/15 10:17	09/02/15 10:09	1
Acenaphthylene	ND		330	33	ug/Kg		08/31/15 10:17	09/02/15 10:09	1
Aniline	ND		330	60	ug/Kg		08/31/15 10:17	09/02/15 10:09	1
Anthracene	ND		330	33	ug/Kg		08/31/15 10:17	09/02/15 10:09	1
Benzo[a]anthracene	ND		330	33	ug/Kg		08/31/15 10:17	09/02/15 10:09	1
Benzo[a]pyrene	ND		330	33	ug/Kg		08/31/15 10:17	09/02/15 10:09	1
Benzo[b]fluoranthene	ND		330	33	ug/Kg		08/31/15 10:17	09/02/15 10:09	1
Benzo[k]fluoranthene	ND		330	33	ug/Kg		08/31/15 10:17	09/02/15 10:09	1
bis (2-chloroisopropyl) ether	ND		330	33	ug/Kg		08/31/15 10:17	09/02/15 10:09	1
Bis(2-chloroethyl)ether	ND		330	33	ug/Kg		08/31/15 10:17	09/02/15 10:09	1
Bis(2-ethylhexyl) phthalate	115	J	330	45	ug/Kg		08/31/15 10:17	09/02/15 10:09	1
Butyl benzyl phthalate	ND		330	33	ug/Kg		08/31/15 10:17	09/02/15 10:09	1
Chrysene	ND		330	33	ug/Kg		08/31/15 10:17	09/02/15 10:09	1
Dibenz(a,h)anthracene	ND		330	33	ug/Kg		08/31/15 10:17	09/02/15 10:09	1
Dibenzofuran	ND		330	33	ug/Kg		08/31/15 10:17	09/02/15 10:09	1
Diethyl phthalate	ND		330	33	ug/Kg		08/31/15 10:17	09/02/15 10:09	1
Dimethyl phthalate	ND		330	33	ug/Kg		08/31/15 10:17	09/02/15 10:09	1
Di-n-butyl phthalate	ND		330	33	ug/Kg		08/31/15 10:17	09/02/15 10:09	1
Di-n-octyl phthalate	ND		330	33	ug/Kg		08/31/15 10:17	09/02/15 10:09	1
Fluoranthene	ND		330	33	ug/Kg		08/31/15 10:17	09/02/15 10:09	1
Fluorene	ND		330	33	ug/Kg		08/31/15 10:17	09/02/15 10:09	1
Hexachlorobenzene	ND		330	33	ug/Kg		08/31/15 10:17	09/02/15 10:09	1
Hexachlorobutadiene	ND		330	33	ug/Kg		08/31/15 10:17	09/02/15 10:09	1
Hexachlorocyclopentadiene	ND		1600	330	ug/Kg		08/31/15 10:17	09/02/15 10:09	1
Hexachloroethane	ND		330	33	ug/Kg		08/31/15 10:17	09/02/15 10:09	1
Indeno[1,2,3-cd]pyrene	ND		330	33	ug/Kg		08/31/15 10:17	09/02/15 10:09	1
Isophorone	ND		330	33	ug/Kg		08/31/15 10:17	09/02/15 10:09	1
Naphthalene	ND		330	33	ug/Kg		08/31/15 10:17	09/02/15 10:09	1
Nitrobenzene	ND		330	33	ug/Kg		08/31/15 10:17	09/02/15 10:09	1
N-Nitrosodi-n-propylamine	ND		330	33	ug/Kg		08/31/15 10:17	09/02/15 10:09	1
Pentachlorophenol	ND		660	330	ug/Kg		08/31/15 10:17	09/02/15 10:09	1
Phenanthrene	ND		330	33	ug/Kg		08/31/15 10:17	09/02/15 10:09	1
Phenol	ND		330	33	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

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*97*		*46 - 111*	*08/31/15 10:17*	*09/02/15 10:09*	*1*
2-Fluorobiphenyl (Surr)	*92*		*56 - 97*	*08/31/15 10:17*	*09/02/15 10:09*	*1*
2-Fluorophenol (Surr)	*83*		*53 - 97*	*08/31/15 10:17*	*09/02/15 10:09*	*1*

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

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

Surrogate	MB %Recovery	MB 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

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	6670	5610		ug/Kg		84	60 - 91
1,2-Dichlorobenzene	6670	5400		ug/Kg		81	59 - 90
1,3-Dichlorobenzene	6670	5260		ug/Kg		79	57 - 88
1,4-Dichlorobenzene	6670	5370		ug/Kg		81	58 - 88
2,4,5-Trichlorophenol	6670	6040		ug/Kg		91	59 - 94
2,4,6-Trichlorophenol	6670	5940		ug/Kg		89	59 - 95
2,4-Dichlorophenol	6670	5780		ug/Kg		87	59 - 90
2,4-Dimethylphenol	6670	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

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%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

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*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

Client Sample ID: 2015 08 17 M1
Prep Type: Total/NA
Prep Batch: 208641

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%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	☼	91	48 - 98
2,4-Dichlorophenol	ND		7390	6520		ug/Kg	☼	88	47 - 94
2,4-Dimethylphenol	ND		7390	6270		ug/Kg	☼	85	33 - 109
2,4-Dinitrophenol	ND		7390	5760		ug/Kg	☼	78	13 - 103
2,4-Dinitrotoluene	ND		7390	7010		ug/Kg	☼	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	☼	83	47 - 90
2-Methylnaphthalene	ND	F1	7390	6180		ug/Kg	☼	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	☼	78	44 - 103
4-Nitroaniline	ND		7390	6130		ug/Kg	☼	83	43 - 102
4-Nitrophenol	ND		7390	6010		ug/Kg	☼	81	48 - 105

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%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	☼	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

Surrogate	*MS %Recovery*	*MS 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*

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	ND	F1	7390	6870	F1	ug/Kg	☼	93	51 - 87	7	30
1,2-Dichlorobenzene	ND	F1	7390	6410	F1	ug/Kg	☼	87	46 - 85	6	30
1,3-Dichlorobenzene	ND	F1	7390	6320	F1	ug/Kg	☼	86	42 - 84	7	30
1,4-Dichlorobenzene	ND	F1	7390	6380	F1	ug/Kg	☼	86	45 - 83	6	30
2,4,5-Trichlorophenol	ND	F1	7390	7210	F1	ug/Kg	☼	98	55 - 95	5	30
2,4,6-Trichlorophenol	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		7390	6500		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	☼	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	☼	89	58 - 99	6	30
Benzo[a]anthracene	ND		7390	6930		ug/Kg	☼	94	68 - 114	7	30
Benzo[a]pyrene	ND		7390	7070		ug/Kg	☼	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	☼	98	59 - 105	8	30
Hexachlorobutadiene	ND	F1	7390	7290	F1	ug/Kg	☼	99	47 - 89	8	30
Hexachlorocyclopentadiene	ND		7390	8120		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	F1	7390	6400	F1	ug/Kg	☼	87	52 - 86	6	30
Nitrobenzene	ND		7390	6210		ug/Kg	☼	84	52 - 90	6	30

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	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	☼	88	60 - 98	7	30
Phenol	ND		7390	5960		ug/Kg	☼	81	43 - 90	6	30
Pyrene	ND		7390	6650		ug/Kg	☼	90	53 - 106	7	30
N-Nitrosodiphenylamine	ND		7390	7880		ug/Kg	☼	107	52 - 131	8	30

Surrogate	*MSD %Recovery*	*MSD 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*

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%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	☼	79	42 - 84
1,4-Dichlorobenzene	ND	F1	8380	6720		ug/Kg	☼	80	45 - 83
2,4,5-Trichlorophenol	ND		8380	7770		ug/Kg	☼	93	55 - 95
2,4,6-Trichlorophenol	ND		8380	7530		ug/Kg	☼	90	48 - 98
2,4-Dichlorophenol	ND		8380	7260		ug/Kg	☼	87	47 - 94
2,4-Dimethylphenol	ND		8380	6700		ug/Kg	☼	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	☼	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	☼	88	61 - 102
Benzo[b]fluoranthene	ND		8380	7500		ug/Kg	☼	90	63 - 107
Benzo[k]fluoranthene	ND		8380	6990		ug/Kg	☼	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

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Bis(2-ethylhexyl) phthalate	ND		8380	7230		ug/Kg	☼	86	60 - 110
Butyl benzyl phthalate	ND		8380	7220		ug/Kg	☼	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	☼	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	☼	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	☼	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	☼	83	53 - 106
N-Nitrosodiphenylamine	ND		8380	8310		ug/Kg	☼	99	52 - 131

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*86*		*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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	ND	F1	8350	7460	F1	ug/Kg	☼	89	51 - 87	3	30
1,2-Dichlorobenzene	ND		8350	6980		ug/Kg	☼	84	46 - 85	4	30
1,3-Dichlorobenzene	ND		8350	6830		ug/Kg	☼	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	☼	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	☼	89	47 - 94	2	30
2,4-Dimethylphenol	ND		8350	6990		ug/Kg	☼	84	33 - 109	4	30

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

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-Dinitrophenol	ND		8350	3920		ug/Kg	☼	47	13 - 103	18	30
2,4-Dinitrotoluene	ND		8350	7850		ug/Kg	☼	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	☼	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	☼	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	☼	93	61 - 102	5	30
Benzo[b]fluoranthene	ND		8350	7970		ug/Kg	☼	95	63 - 107	6	30
Benzo[k]fluoranthene	ND		8350	7150		ug/Kg	☼	86	65 - 108	2	30
bis (2-chloroisopropyl) ether	ND		8350	6010		ug/Kg	☼	72	42 - 97	5	30
Bis(2-chloroethyl)ether	ND		8350	6490		ug/Kg	☼	78	50 - 88	5	30
Bis(2-ethylhexyl) phthalate	ND		8350	7450		ug/Kg	☼	89	60 - 110	3	30
Butyl benzyl phthalate	ND		8350	7460		ug/Kg	☼	89	56 - 110	3	30
Chrysene	ND		8350	6990		ug/Kg	☼	84	61 - 100	3	30
Dibenz(a,h)anthracene	ND		8350	8420		ug/Kg	☼	101	59 - 118	4	30
Dibenzofuran	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		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	☼	81	55 - 99	4	30
Pentachlorophenol	ND		8350	7170		ug/Kg	☼	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	☼	87	53 - 106	4	30
N-Nitrosodiphenylamine	ND		8350	8580		ug/Kg	☼	103	52 - 131	3	30

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

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	MSD %Recovery	MSD 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
2,4,6-Tribromophenol (Surr)	107		46 - 111

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

Analyte	MB Result	MB 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	ug/Kg		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	1
Chrysene	ND		330	33	ug/Kg		08/31/15 13:01	09/04/15 13:55	1

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

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

Analyte	MB Result	MB 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

Surrogate	*MB %Recovery*	*MB 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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%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

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Chloronaphthalene	6670	5850		ug/Kg		88	61 - 94
2-Chlorophenol	6670	5260		ug/Kg		79	60 - 91
2-Methylnaphthalene	6670	5440		ug/Kg		82	59 - 90
2-Nitroaniline	6670	5130		ug/Kg		77	58 - 105
3,3'-Dichlorobenzidine	6670	5840		ug/Kg		88	50 - 90
3-Nitroaniline	6670	4980		ug/Kg		75	55 - 91
4-Nitroaniline	6670	4930		ug/Kg		74	57 - 94
4-Nitrophenol	6670	4880		ug/Kg		73	54 - 101
Acenaphthene	6670	5600		ug/Kg		84	63 - 95
Acenaphthylene	6670	5610		ug/Kg		84	62 - 98
Anthracene	6670	5720		ug/Kg		86	63 - 100
Benzo[a]anthracene	6670	5820		ug/Kg		87	74 - 114
Benzo[a]pyrene	6670	5900		ug/Kg		89	63 - 103
Benzo[b]fluoranthene	6670	5900		ug/Kg		88	68 - 109
Benzo[k]fluoranthene	6670	5670		ug/Kg		85	69 - 111
bis (2-chloroisopropyl) ether	6670	4550		ug/Kg		68	47 - 105
Bis(2-chloroethyl)ether	6670	4960		ug/Kg		74	58 - 92
Bis(2-ethylhexyl) phthalate	6670	5670		ug/Kg		85	63 - 112
Butyl benzyl phthalate	6670	5680		ug/Kg		85	59 - 111
Chrysene	6670	5500		ug/Kg		83	66 - 100
Dibenz(a,h)anthracene	6670	6760		ug/Kg		101	67 - 114
Dibenzofuran	6670	5590		ug/Kg		84	58 - 95
Diethyl phthalate	6670	5350		ug/Kg		80	62 - 97
Dimethyl phthalate	6670	5640		ug/Kg		85	63 - 98
Di-n-butyl phthalate	6670	5640		ug/Kg		85	62 - 104
Di-n-octyl phthalate	6670	5870		ug/Kg		88	61 - 111
Fluoranthene	6670	5670		ug/Kg		85	63 - 101
Fluorene	6670	5560		ug/Kg		83	62 - 96
Hexachlorobenzene	6670	6320		ug/Kg		95	62 - 106
Hexachlorobutadiene	6670	6430	*	ug/Kg		96	57 - 94
Hexachlorocyclopentadiene	6670	7210		ug/Kg		108	40 - 115
Hexachloroethane	6670	5370		ug/Kg		81	59 - 93
Indeno[1,2,3-cd]pyrene	6670	6960		ug/Kg		104	65 - 120
Isophorone	6670	4990		ug/Kg		75	57 - 86
Naphthalene	6670	5450		ug/Kg		82	60 - 90
Nitrobenzene	6670	5250		ug/Kg		79	58 - 95
N-Nitrosodi-n-propylamine	6670	5030		ug/Kg		75	60 - 104
Pentachlorophenol	6670	5020		ug/Kg		75	50 - 100
Phenanthrene	6670	5650		ug/Kg		85	63 - 99
Phenol	6670	4690		ug/Kg		70	53 - 89
Diphenylamine	6670	5900		ug/Kg		89	78 - 133
Pyrene	6670	5720		ug/Kg		86	64 - 102
N-Nitrosodiphenylamine	6670	6900		ug/Kg		104	78 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*96*		*46 - 111*
2-Fluorobiphenyl (Surr)	*87*		*56 - 97*
2-Fluorophenol (Surr)	*77*		*53 - 97*

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

Surrogate	LCS %Recovery	LCS 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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	ND	F1	7220	6350	F1	ug/Kg	☼	88	51 - 87
1,2-Dichlorobenzene	ND		7220	5890		ug/Kg	☼	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	☼	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

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

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluorene	ND		7220	5920		ug/Kg	☼	82	58 - 97
Hexachlorobenzene	ND		7220	6850		ug/Kg	☼	95	59 - 105
Hexachlorobutadiene	ND	* F1	7220	7020	F1	ug/Kg	☼	97	47 - 89
Hexachlorocyclopentadiene	ND	F1	7220	7460		ug/Kg	☼	103	17 - 112
Hexachloroethane	ND		7220	5890		ug/Kg	☼	82	43 - 88
Indeno[1,2,3-cd]pyrene	ND		7220	7230		ug/Kg	☼	100	56 - 123
Isophorone	ND		7220	5290		ug/Kg	☼	73	52 - 84
Naphthalene	ND		7220	5820		ug/Kg	☼	81	52 - 86
Nitrobenzene	ND		7220	5660		ug/Kg	☼	78	52 - 90
N-Nitrosodi-n-propylamine	ND		7220	5360		ug/Kg	☼	74	55 - 99
Pentachlorophenol	ND		7220	6010		ug/Kg	☼	83	35 - 104
Phenanthrene	ND		7220	6030		ug/Kg	☼	84	60 - 98
Phenol	ND		7220	5000		ug/Kg	☼	69	43 - 90
Pyrene	ND		7220	6250		ug/Kg	☼	87	53 - 106
N-Nitrosodiphenylamine	ND		7220	7130		ug/Kg	☼	99	52 - 131

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*87*		*56 - 97*
2-Fluorophenol (Surr)	*74*		*53 - 97*
Nitrobenzene-d5 (Surr)	*79*		*55 - 98*
Phenol-d5 (Surr)	*74*		*54 - 101*
Terphenyl-d14 (Surr)	*81*		*58 - 123*
2,4,6-Tribromophenol (Surr)	*95*		*46 - 111*

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	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	☼	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	☼	87	48 - 98	2	30
2,4-Dichlorophenol	ND		7180	5860		ug/Kg	☼	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	☼	78	10 - 84	11	30
3-Nitroaniline	ND		7180	4940		ug/Kg	☼	69	44 - 103	2	30
4-Nitroaniline	ND		7180	5050		ug/Kg	☼	70	43 - 102	2	30
4-Nitrophenol	ND		7180	4870		ug/Kg	☼	68	48 - 105	2	30

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	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	☼	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	☼	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	F1	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

Surrogate	*MSD %Recovery*	*MSD 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*

Method: 8015B - Gasoline Range Organics - (GC)

Lab Sample ID: MB 160-208900/1-A
Matrix: Solid
Analysis Batch: 209316

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 208900

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C6-C12)	ND		0.10	0.010	mg/Kg		09/01/15 13:09	09/01/15 14:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*129*		*44 - 147*	*09/01/15 13:09*	*09/01/15 14:29*	*1*

Lab Sample ID: LCS 160-208900/2-A
Matrix: Solid
Analysis Batch: 209316

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 208900

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (C6-C12)	1.00	1.02		mg/Kg		102	82 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Trifluorotoluene (Surr)	*96*		*44 - 147*

Lab Sample ID: 160-13469-40 MS
Matrix: Solid
Analysis Batch: 209316

Client Sample ID: 2015 08 18 E6.5
Prep Type: Total/NA
Prep Batch: 208900

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (C6-C12)	ND		1.18	1.05		mg/Kg	☼	90	22 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Trifluorotoluene (Surr)	*90*		*44 - 147*

Lab Sample ID: 160-13469-40 MSD
Matrix: Solid
Analysis Batch: 209316

Client Sample ID: 2015 08 18 E6.5
Prep Type: Total/NA
Prep Batch: 208900

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (C6-C12)	ND		1.18	1.05		mg/Kg	☼	89	22 - 130	0	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Trifluorotoluene (Surr)	*93*		*44 - 147*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 160-206962/1-A
Matrix: Solid
Analysis Batch: 207694

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 206962

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		25	0.33	mg/Kg		08/21/15 12:36	08/25/15 21:54	1

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 160-206962/1-A
Matrix: Solid
Analysis Batch: 207694

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 206962

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	85		49 - 133	08/21/15 12:36	08/25/15 21:54	1

Lab Sample ID: LCS 160-206962/2-A
Matrix: Solid
Analysis Batch: 207694

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 206962

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics [C10-C28]			83.3	72.9		mg/Kg		88	57 - 105		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o-Terphenyl	93		49 - 133

Lab Sample ID: 160-13469-40 MS
Matrix: Solid
Analysis Batch: 207694

Client Sample ID: 2015 08 18 E6.5
Prep Type: Total/NA
Prep Batch: 206962

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics [C10-C28]	ND		98.1	120		mg/Kg	☼	123	34 - 150		

Surrogate	MS %Recovery	MS Qualifier	Limits
o-Terphenyl	132		49 - 133

Lab Sample ID: 160-13469-40 MSD
Matrix: Solid
Analysis Batch: 207694

Client Sample ID: 2015 08 18 E6.5
Prep Type: Total/NA
Prep Batch: 206962

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	ND		98.2	90.0		mg/Kg	☼	92	34 - 150	29	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
o-Terphenyl	99		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

Analyte	MB Result	MB 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

Method: 8330B - Nitroaromatics and Nitramines (HPLC) (Continued)

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

Analyte	MB Result	MB 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

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dinitrobenzene (Surr)	*102*		*81 - 113*	*08/21/15 11:01*	*08/27/15 23:56*	*1*

Lab Sample ID: LCS 160-206908/2-A
Matrix: Water
Analysis Batch: 208116

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 206908

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%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

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dinitrobenzene (Surr)	*97*		*81 - 113*

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,3,5-Trinitrobenzene	4.00	4.09		ug/L		102	74 - 114	4	20
1,3-Dinitrobenzene	4.00	4.14		ug/L		103	83 - 117	1	20
2,4,6-Trinitrotoluene	4.00	3.83		ug/L		96	64 - 115	8	20
2,4-Dinitrotoluene	4.00	3.96		ug/L		99	76 - 113	3	20

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	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

Surrogate	*LCSD %Recovery*	*LCSD 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

Analyte	MB Result	MB 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

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dinitrobenzene (Surr)	*105*		*79 - 120*	*08/24/15 08:38*	*08/29/15 08:03*	*1*

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3,5-Trinitrobenzene	4000	4020		ug/Kg		101	75 - 115
1,3-Dinitrobenzene	4000	3750		ug/Kg		94	82 - 112

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%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

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dinitrobenzene (Surr)	*103*		*79 - 120*

Lab Sample ID: 160-13469-16 MS
Matrix: Solid
Analysis Batch: 208116

Client Sample ID: 2015.08.17.H-4
Prep Type: Total/NA
Prep Batch: 207310

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3,5-Trinitrobenzene	ND		3960	4290		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

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dinitrobenzene (Surr)	*101*		*79 - 120*

Method: 8330B - Nitroaromatics and Nitramines (HPLC) (Continued)

Lab Sample ID: 160-13469-16 MSD
Matrix: Solid
Analysis Batch: 208116

Client Sample ID: 2015.08.17.H-4
Prep Type: Total/NA
Prep Batch: 207310

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	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

Surrogate	*MSD %Recovery*	*MSD 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
Prep Batch: 207311

Analyte	MB Result	MB 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 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	39	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

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dinitrobenzene (Surr)	*105*		*79 - 120*	*08/24/15 08:40*	*08/29/15 18:23*	*1*

Method: 8330B - Nitroaromatics and Nitramines (HPLC) (Continued)

Lab Sample ID: LCS 160-207311/2-A
Matrix: Solid
Analysis Batch: 208116

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 207311

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%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

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dinitrobenzene (Surr)	*96*		*79 - 120*

Lab Sample ID: 160-13469-23 MS
Matrix: Solid
Analysis Batch: 208116

Client Sample ID: 2015 08 17 M1
Prep Type: Total/NA
Prep Batch: 207311

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%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
2,4,6-Trinitrotoluene	ND		3600	3150		ug/Kg		88	75 - 121
2,4-Dinitrotoluene	ND		3600	3430		ug/Kg		95	83 - 111
2,6-Dinitrotoluene	ND		3600	3380		ug/Kg		94	75 - 115
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		ug/Kg		93	82 - 110
Nitroglycerin	ND		9000	7290		ug/Kg		81	64 - 121
2-Nitrotoluene	ND		3600	3370		ug/Kg		93	81 - 110
4-Nitrotoluene	ND		3600	3460		ug/Kg		96	81 - 113
PETN	ND		9000	7870		ug/Kg		87	66 - 128
RDX	ND		3600	3150		ug/Kg		87	53 - 123
HMX	ND		3600	3390		ug/Kg		94	54 - 140
Tetryl	ND	F1	3600	2060		ug/Kg		57	53 - 125

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dinitrobenzene (Surr)	*103*		*79 - 120*

Method: 8330B - Nitroaromatics and Nitramines (HPLC) (Continued)

Lab Sample ID: 160-13469-23 MSD
Matrix: Solid
Analysis Batch: 208116

Client Sample ID: 2015 08 17 M1
Prep Type: Total/NA
Prep Batch: 207311

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	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		ug/Kg		101	68 - 128	18	30
4-Amino-2,6-dinitrotoluene	ND		3980	4830		ug/Kg		121	65 - 137	24	30
3-Nitrotoluene	ND		3980	3850		ug/Kg		97	82 - 111	12	30
Nitrobenzene	ND		3980	3860		ug/Kg		97	82 - 110	14	30
Nitroglycerin	ND		9960	8920		ug/Kg		90	64 - 121	20	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

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dinitrobenzene (Surr)	*101*		*79 - 120*

Lab Sample ID: 160-13469-37 MS
Matrix: Solid
Analysis Batch: 208116

Client Sample ID: 2015 08 18 P0.4
Prep Type: Total/NA
Prep Batch: 207311

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%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

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dinitrobenzene (Surr)	*98*		*79 - 120*

Method: 8330B - Nitroaromatics and Nitramines (HPLC) (Continued)

Lab Sample ID: 160-13469-37 MSD
Matrix: Solid
Analysis Batch: 208116

Client Sample ID: 2015 08 18 P0.4
Prep Type: Total/NA
Prep Batch: 207311

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,3,5-Trinitrobenzene	ND		3910	4240		ug/Kg		108	78 - 114	0	30
1,3-Dinitrobenzene	ND		3910	3770		ug/Kg		96	84 - 112	1	30
2,4,6-Trinitrotoluene	ND		3910	3550		ug/Kg		91	75 - 121	11	30
2,4-Dinitrotoluene	ND		3910	3850		ug/Kg		99	83 - 111	5	30
2,6-Dinitrotoluene	ND		3910	3760		ug/Kg		96	75 - 115	7	30
2-Amino-4,6-dinitrotoluene	ND		3910	3860		ug/Kg		99	68 - 128	8	30
4-Amino-2,6-dinitrotoluene	ND		3910	4630		ug/Kg		118	65 - 137	7	30
3-Nitrotoluene	ND		3910	3870		ug/Kg		99	82 - 111	5	30
Nitrobenzene	ND		3910	3770		ug/Kg		96	82 - 110	1	30
Nitroglycerin	ND		9780	8510		ug/Kg		87	64 - 121	6	30
2-Nitrotoluene	ND		3910	3610		ug/Kg		92	81 - 110	2	30
4-Nitrotoluene	ND		3910	3720		ug/Kg		95	81 - 113	1	30
PETN	ND		9780	8940		ug/Kg		91	66 - 128	1	30
RDX	ND		3910	3650		ug/Kg		93	53 - 123	6	30
HMX	ND		3910	3770		ug/Kg		96	54 - 140	1	30
Tetryl	ND	F2 F1	3910	1270	F1 F2	ug/Kg		33	53 - 125	35	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dinitrobenzene (Surr)	*102*		*79 - 120*

Lab Sample ID: 160-13469-41 MS
Matrix: Solid
Analysis Batch: 208116

Client Sample ID: 2015 08 18 F7.5
Prep Type: Total/NA
Prep Batch: 207311

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%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

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dinitrobenzene (Surr)	*99*		*79 - 120*

Method: 8330B - Nitroaromatics and Nitramines (HPLC) (Continued)

Lab Sample ID: 160-13469-41 MSD
Matrix: Solid
Analysis Batch: 208116

Client Sample ID: 2015 08 18 F7.5
Prep Type: Total/NA
Prep Batch: 207311

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,3,5-Trinitrobenzene	ND		3570	3580		ug/Kg		100	78 - 114	7	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

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dinitrobenzene (Surr)	*91*		*79 - 120*

Method: 1613B - Dioxins and Furans (HRGC/HRMS)

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

Analyte	MB Result	MB 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	pg/g		08/24/15 13:03	08/26/15 01:28	1
1,2,3,6,7,8-HxCDD	ND		5.0	0.027	pg/g		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	pg/g		08/24/15 13:03	08/26/15 01:28	1
1,2,3,7,8,9-HxCDF	ND		5.0	0.022	pg/g		08/24/15 13:03	08/26/15 01:28	1
2,3,4,6,7,8-HxCDF	ND		5.0	0.020	pg/g		08/24/15 13:03	08/26/15 01:28	1
1,2,3,4,6,7,8-HpCDD	0.0905	J q	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	pg/g		08/24/15 13:03	08/26/15 01:28	1

Isotope Dilution	*MB %Recovery*	*MB 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*

Method: 1613B - Dioxins and Furans (HRGC/HRMS) (Continued)

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

Isotope Dilution	MB %Recovery	MB 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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
37Cl4-2,3,7,8-TCDD	92		35 - 197	08/24/15 13:03	08/26/15 01:28	1

Lab Sample ID: LCS 320-83902/2-A
Matrix: Solid
Analysis Batch: 84244

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 83902

Analyte	Spike Added	LCS Result	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

Isotope Dilution	LCS %Recovery	LCS 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

Method: 1613B - Dioxins and Furans (HRGC/HRMS) (Continued)

Lab Sample ID: LCS 320-83902/2-A
Matrix: Solid
Analysis Batch: 84244

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 83902

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C-1,2,3,6,7,8-HxCDD	79		25 - 163
13C-1,2,3,4,7,8-HxCDF	77		19 - 202
13C-1,2,3,6,7,8-HxCDF	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
13C-OCDD	83		13 - 199

Surrogate	LCS %Recovery	LCS Qualifier	Limits
37Cl4-2,3,7,8-TCDD	95		35 - 197

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 160-209334/1-A
Matrix: Solid
Analysis Batch: 209820

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 209334

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
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		09/03/15 11:15	09/05/15 00:49	2
Lead	ND		0.27	0.090	mg/Kg		09/03/15 11:15	09/05/15 00:49	2
Selenium	ND		0.45	0.14	mg/Kg		09/03/15 11:15	09/05/15 00:49	2
Silver	ND		0.18	0.022	mg/Kg		09/03/15 11:15	09/05/15 00:49	2

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 Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	113	121		mg/Kg		106.9	69.7 - 142.5
Barium	155	163		mg/Kg		105.3	72.9 - 127.1
Cadmium	67.5	71.5		mg/Kg		105.9	73.2 - 126.8
Chromium	164	175		mg/Kg		106.9	70.7 - 129.9
Lead	90.1	95.2		mg/Kg		105.6	70.1 - 129.9
Selenium	156	173		mg/Kg		111.2	67.3 - 132.1
Silver	52.6	55.7		mg/Kg		105.9	66.7 - 133.5

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 160-209813/1-A
Matrix: Solid
Analysis Batch: 210007

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 209813

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.031	0.010	mg/Kg		09/08/15 12:04	09/08/15 16:19	1

Lab Sample ID: LCSSRM 160-209813/2-A
Matrix: Solid
Analysis Batch: 210007

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 209813

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	8.37	7.09		mg/Kg		84.7	51.3 - 148.1

Method: WS-WC-0050 - Nitrocellulose

Lab Sample ID: MB 320-84173/1-B
Matrix: Solid
Analysis Batch: 84350

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 84252

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrocellulose	ND		5.0	0.78	mg/Kg		08/27/15 08:01	08/27/15 15:52	1

Lab Sample ID: LCS 320-84173/2-B
Matrix: Solid
Analysis Batch: 84350

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 84252

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrocellulose	50.8	21.6		mg/Kg		43	34 - 115

Lab Sample ID: 160-13469-38 MS
Matrix: Solid
Analysis Batch: 84350

Client Sample ID: 2015 08 18 H2
Prep Type: Total/NA
Prep Batch: 84252

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrocellulose	ND	F1	56.2	15.8	F1	mg/Kg	☼	28	34 - 115

Lab Sample ID: 160-13469-38 MSD
Matrix: Solid
Analysis Batch: 84350

Client Sample ID: 2015 08 18 H2
Prep Type: Total/NA
Prep Batch: 84252

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrocellulose	ND	F1	56.3	17.2	F1	mg/Kg	☼	31	34 - 115	9	71

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.I5	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.I5	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	

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.I-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

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.I-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	

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 O0.2	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

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	
160-13469-32	2015 08 18 P0.7	Total/NA	Solid	5035	
160-13469-33	2015 08 18 Q0.4	Total/NA	Solid	5035	
160-13469-34	2015 08 18 P0.2	Total/NA	Solid	5035	
160-13469-35	2015 08 18 O0.2	Total/NA	Solid	5035	
160-13469-36	2015 08 18 DUP #03	Total/NA	Solid	5035	
160-13469-37	2015 08 18 P0.4	Total/NA	Solid	5035	
160-13469-37 MS	2015 08 18 P0.4	Total/NA	Solid	5035	
160-13469-37 MSD	2015 08 18 P0.4	Total/NA	Solid	5035	
160-13469-38	2015 08 18 H2	Total/NA	Solid	5035	
160-13469-39	2015 08 18 B2.3	Total/NA	Solid	5035	
160-13469-40	2015 08 18 E6.5	Total/NA	Solid	5035	
160-13469-41	2015 08 18 F7.5	Total/NA	Solid	5035	
160-13469-41 MS	2015 08 18 F7.5	Total/NA	Solid	5035	
160-13469-41 MSD	2015 08 18 F7.5	Total/NA	Solid	5035	
160-13469-42	2015 08 18 DUP #04	Total/NA	Solid	5035	
LCS 160-208436/2-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 160-208436/3-A	Lab Control Sample Dup	Total/NA	Solid	5035	
MB 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

GC/MS VOA (Continued)

Analysis Batch: 208822 (Continued)

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

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-13469-28	2015 08 17 FIELD BLANK	Total/NA	Water	3510C	
160-13469-29	2015 08 17 EQUIP BLANK	Total/NA	Water	3510C	
160-13469-30	2015 08 18 FIELD BLANK	Total/NA	Water	3510C	
160-13469-31	2015 08 18 EQUIP BLANK	Total/NA	Water	3510C	
LCS 160-206961/2-A	Lab Control Sample	Total/NA	Water	3510C	
MB 160-206961/1-A	Method Blank	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

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.I5	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	
160-13469-26	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 O0.2	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	
LCS 160-208641/2-A	Lab Control Sample	Total/NA	Solid	3550C	

GC/MS Semi VOA (Continued)

Prep Batch: 208641 (Continued)

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.I5	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
160-13469-20	2015.08.17.K1	Total/NA	Solid	8270D	208641
160-13469-21	2015.08.17.I-1	Total/NA	Solid	8270D	208641
160-13469-22	2015.08.17 DUP #02	Total/NA	Solid	8270D	208641
160-13469-23	2015 08 17 M1	Total/NA	Solid	8270D	208641
160-13469-23 MS	2015 08 17 M1	Total/NA	Solid	8270D	208641
160-13469-23 MSD	2015 08 17 M1	Total/NA	Solid	8270D	208641
160-13469-24	2015 08 18 N2	Total/NA	Solid	8270D	208641
160-13469-25	2015 08 18 M3	Total/NA	Solid	8270D	208641
160-13469-26	2015 08 18 L4	Total/NA	Solid	8270D	208641
160-13469-27	2015 08 18 M5	Total/NA	Solid	8270D	208641
160-13469-32	2015 08 18 P0.7	Total/NA	Solid	8270D	208641
160-13469-33	2015 08 18 Q0.4	Total/NA	Solid	8270D	208641
160-13469-34	2015 08 18 P0.2	Total/NA	Solid	8270D	208641
160-13469-37	2015 08 18 P0.4	Total/NA	Solid	8270D	208641
160-13469-37 MS	2015 08 18 P0.4	Total/NA	Solid	8270D	208641
160-13469-37 MSD	2015 08 18 P0.4	Total/NA	Solid	8270D	208641
LCS 160-208641/2-A	Lab Control Sample	Total/NA	Solid	8270D	208641
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

GC VOA

Prep Batch: 208900

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

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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	

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.I5	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.I-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 O0.2	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	

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.I5	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.I-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 O0.2	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	207311
160-13469-37 MSD	2015 08 18 P0.4	Total/NA	Solid	8330B	207311
160-13469-38	2015 08 18 H2	Total/NA	Solid	8330B	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
160-13469-41	2015 08 18 F7.5	Total/NA	Solid	8330B	207311
160-13469-41 MS	2015 08 18 F7.5	Total/NA	Solid	8330B	207311
160-13469-41 MSD	2015 08 18 F7.5	Total/NA	Solid	8330B	207311
160-13469-42	2015 08 18 DUP #04	Total/NA	Solid	8330B	207311
LCS 160-206908/2-A	Lab Control Sample	Total/NA	Water	8330B	206908

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	Lab Control Sample	Total/NA	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

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-13469-35	2015 08 18 O0.2	Total/NA	Solid	3050B	
160-13469-38	2015 08 18 H2	Total/NA	Solid	3050B	
160-13469-39	2015 08 18 B2.3	Total/NA	Solid	3050B	
160-13469-40	2015 08 18 E6.5	Total/NA	Solid	3050B	
LCSSRM 160-209334/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 160-209334/1-A	Method Blank	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	

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 O0.2	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 O0.2	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 O0.2	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

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	
160-13469-8	2015.08.17.C.5	Total/NA	Solid	Moisture	
160-13469-9	2015.08.17.E.5	Total/NA	Solid	Moisture	
160-13469-10	2015.08.17.E.3	Total/NA	Solid	Moisture	
160-13469-11	2015.08.17.G.1	Total/NA	Solid	Moisture	
160-13469-12	2015.08.17.E.1	Total/NA	Solid	Moisture	
160-13469-13	2015.08.17.G.3	Total/NA	Solid	Moisture	
160-13469-14	2015.08.17.G.5	Total/NA	Solid	Moisture	
160-13469-15	2015.08.17.DUP #01	Total/NA	Solid	Moisture	
160-13469-16	2015.08.17.H-4	Total/NA	Solid	Moisture	
160-13469-17	2015.08.17.I5	Total/NA	Solid	Moisture	
160-13469-18	2015.08.17.K3	Total/NA	Solid	Moisture	
160-13469-19	2015.08.17.K5	Total/NA	Solid	Moisture	
160-13469-20	2015.08.17.K1	Total/NA	Solid	Moisture	
160-13469-21	2015.08.17.I-1	Total/NA	Solid	Moisture	
160-13469-21 DU	2015.08.17.I-1	Total/NA	Solid	Moisture	
160-13469-22	2015.08.17 DUP #02	Total/NA	Solid	Moisture	
160-13469-23	2015 08 17 M1	Total/NA	Solid	Moisture	
160-13469-24	2015 08 18 N2	Total/NA	Solid	Moisture	
160-13469-25	2015 08 18 M3	Total/NA	Solid	Moisture	
160-13469-26	2015 08 18 L4	Total/NA	Solid	Moisture	
160-13469-27	2015 08 18 M5	Total/NA	Solid	Moisture	
160-13469-32	2015 08 18 P0.7	Total/NA	Solid	Moisture	
160-13469-33	2015 08 18 Q0.4	Total/NA	Solid	Moisture	
160-13469-34	2015 08 18 P0.2	Total/NA	Solid	Moisture	
160-13469-35	2015 08 18 O0.2	Total/NA	Solid	Moisture	
160-13469-36	2015 08 18 DUP #03	Total/NA	Solid	Moisture	
160-13469-37	2015 08 18 P0.4	Total/NA	Solid	Moisture	
160-13469-38	2015 08 18 H2	Total/NA	Solid	Moisture	
160-13469-39	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	

Surrogate Summary

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

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	12DCE (72-127)	BFB (63-150)	DBFM (70-126)	TOL (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.I5	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	99	105
160-13469-32	2015 08 18 P0.7	92	98	97	101
160-13469-33	2015 08 18 Q0.4	98	111	102	106
160-13469-34	2015 08 18 P0.2	97	104	101	105
160-13469-35	2015 08 18 O0.2	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
LCS 160-207159/2-A	Lab Control Sample	106	117	99	115
LCS 160-208225/2-A	Lab Control Sample	89	109	101	111
LCS 160-208436/2-A	Lab Control Sample	93	110	102	110

Surrogate Summary

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**

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	12DCE (72-127)	BFB (63-150)	DBFM (70-126)	TOL (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
LCSD 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

Surrogate Legend

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**

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	12DCE (78-127)	BFB (75-123)	DBFM (80-120)	TOL (80-120)
160-13469-28	2015 08 17 FIELD BLANK	85	97	93	102
160-13469-29	2015 08 17 EQUIP BLANK	83	95	94	102
160-13469-30	2015 08 18 FIELD BLANK	85	99	96	104
160-13469-31	2015 08 18 EQUIP BLANK	89	98	96	104
160-13469-43	2015 08 19 TRIP BLK 01	93	97	98	104
160-13469-44	2015 08 19 TRIP BLK 02	92	96	98	104
160-13469-45	2015 08 19 TRIP BLK 03	95	101	99	104
160-13469-46	2015 08 19 TRIP BLK 04	92	97	97	104
160-13469-47	2015 08 19 TRIP BLK 05	98	93	97	100
160-13469-48	2015 08 19 TRIP BLK 06	95	94	96	104
160-13469-49 - RA	2015 08 19 TRIP BLK 07	87	97	97	103
160-13469-50	2015 08 19 TRIP BLK 08	91	96	96	104
160-13469-51	2015 08 19 TRIP BLK 09	92	96	99	102
160-13469-52	2015 08 19 TRIP BLK 10	98	98	97	101
160-13469-53	2015 08 19 TRIP BLK 11	95	95	97	102
LCS 160-207384/4	Lab Control Sample	88	106	98	110
LCS 160-208119/3	Lab Control Sample	85	104	98	107
LCSD 160-207384/5	Lab Control Sample Dup	85	106	97	107
LCSD 160-208119/4	Lab Control Sample Dup	86	105	99	105
MB 160-207384/7	Method Blank	89	101	98	104
MB 160-208119/6	Method Blank	88	99	97	101

Surrogate Legend

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

Surrogate Summary

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

TestAmerica Job ID: 160-13469-1

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	FBP (56-97)	2FP (53-97)	NBZ (55-98)	PHL (54-101)	TPH (58-123)	TBP (46-111)
160-13469-1	2015.08.17.A.5	72	67	68	70	67	79
160-13469-2	2015.08.17.A.3	77	72	72	75	71	79
160-13469-3	2015.08.17.A.1	73	70	68	72	69	80
160-13469-4	2015.08.17.A.1.6	76	69	70	72	69	84
160-13469-5	2015.08.17.C.1	78	73	72	74	72	83
160-13469-6	2015.08.17.C.1.6	73	66	68	69	67	75
160-13469-7	2015.08.17.C.3	73	68	68	71	69	81
160-13469-8	2015.08.17.C.5	79	73	74	75	72	85
160-13469-9	2015.08.17.E.5	73	67	66	69	68	79
160-13469-10	2015.08.17.E.3	70	66	66	69	67	79
160-13469-11	2015.08.17.G.1	70	65	65	68	65	78
160-13469-12	2015.08.17.E.1	69	63	64	66	64	76
160-13469-13	2015.08.17.G.3	72	67	66	69	66	79
160-13469-14	2015.08.17.G.5	69	64	64	66	64	74
160-13469-15	2015.08.17.DUP #01	73	67	68	69	66	82
160-13469-16	2015.08.17.H-4	72	67	67	69	66	80
160-13469-16 MS	2015.08.17.H-4	67	65	64	64	64	76
160-13469-16 MSD	2015.08.17.H-4	70	65	68	64	66	77
160-13469-17	2015.08.17.I5	80	73	73	76	71	90
160-13469-18	2015.08.17.K3	83	77	77	79	76	94
160-13469-19	2015.08.17.K5	88	79	80	83	79	98
160-13469-20	2015.08.17.K1	88	79	79	83	80	102
160-13469-21	2015.08.17.I-1	87	80	80	83	79	103
160-13469-22	2015.08.17 DUP #02	84	77	77	80	76	101
160-13469-23	2015 08 17 M1	78	71	71	73	70	88
160-13469-23 MS	2015 08 17 M1	86	82	83	84	84	110
160-13469-23 MSD	2015 08 17 M1	92	86	89	89	88	115 X
160-13469-24	2015 08 18 N2	84	76	78	79	76	93
160-13469-25	2015 08 18 M3	86	77	79	81	76	96
160-13469-26	2015 08 18 L4	90	82	83	84	82	99
160-13469-27	2015 08 18 M5	87	78	79	80	78	97
160-13469-32	2015 08 18 P0.7	83	75	75	77	75	84
160-13469-33	2015 08 18 Q0.4	80	72	72	73	73	94
160-13469-34	2015 08 18 P0.2	84	76	77	78	76	90
160-13469-35	2015 08 18 O0.2	86	74	75	75	79	84
160-13469-36	2015 08 18 DUP #03	89	76	80	78	80	85
160-13469-37	2015 08 18 P0.4	82	74	74	75	74	88
160-13469-37 MS	2015 08 18 P0.4	86	81	82	80	82	106
160-13469-37 MSD	2015 08 18 P0.4	89	82	85	83	85	107
160-13469-38	2015 08 18 H2	88	77	80	78	81	86
160-13469-39	2015 08 18 B2.3	93	81	83	81	85	84
160-13469-40	2015 08 18 E6.5	79	70	70	69	73	80
160-13469-41	2015 08 18 F7.5	84	70	73	70	75	79
160-13469-41 MS	2015 08 18 F7.5	87	74	79	74	81	95
160-13469-41 MSD	2015 08 18 F7.5	92	80	85	77	85	96
160-13469-42	2015 08 18 DUP #04	90	77	81	78	81	89
LCS 160-207953/2-A	Lab Control Sample	75	73	74	75	74	93
LCS 160-208641/2-A	Lab Control Sample	85	82	81	84	82	105
LCS 160-208680/2-A	Lab Control Sample	87	77	80	75	81	96

Surrogate Summary

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**

		Percent Surrogate Recovery (Acceptance Limits)					
		FBP	2FP	NBZ	PHL	TPH	TBP
Lab Sample ID	Client Sample ID	(56-97)	(53-97)	(55-98)	(54-101)	(58-123)	(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)					
		TBP	FBP	2FP	NBZ	PHL	TPH
Lab Sample ID	Client Sample ID	(37-120)	(43-108)	(15-59)	(50-101)	(10-50)	(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 — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
		TFT1
Lab Sample ID	Client Sample ID	(44-147)
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

TFT = Trifluorotoluene (Surr)

Method: 8015B - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	OTPH1 (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

OTPH = o-Terphenyl

Method: 8330B - Nitroaromatics and Nitramines (HPLC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	12DNB1 (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.I5	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

Method: 8330B - Nitroaromatics and Nitramines (HPLC) (Continued)

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

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	12DNB1 (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
MB 160-207310/1-A	Method Blank	105
MB 160-207311/1-A	Method Blank	105

Surrogate Legend

12DNB = 1,2-Dinitrobenzene (Surr)

Method: 8330B - Nitroaromatics and Nitramines (HPLC)

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

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	12DNB1 (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

12DNB = 1,2-Dinitrobenzene (Surr)

Method: 1613B - Dioxins and Furans (HRGC/HRMS)

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

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	37TCDD (35-197)
160-13469-35	2015 08 18 O0.2	94
160-13469-38	2015 08 18 H2	96
160-13469-39	2015 08 18 B2.3	96
160-13469-40	2015 08 18 E6.5	93
LCS 320-83902/2-A	Lab Control Sample	95
MB 320-83902/1-A	Method Blank	92

Surrogate Summary

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

Method: 1613B - Dioxins and Furans (HRGC/HRMS)

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

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	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 O0.2	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

		Percent Isotope Dilution Recovery (Acceptance Limits)						
Lab Sample ID	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 O0.2	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 **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	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)						
Lab Sample ID	Client Sample ID	HxCDF2 (21-159)	HxCDF3 (22-176)	HxCDF4 (17-205)	HpCDD (26-166)	HpCDF1 (21-158)	HpCDF2 (20-186)	OCDD (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

Isotope Dilution Summary

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

TestAmerica Job ID: 160-13469-1

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

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.

Table of Contents

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.

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.

TestAmerica St. Louis
13715 Rider Trail North
Earth City, MO 63045
Phone (314) 298-8566 Fax (314) 298-8757

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: GB, BD	Lab PM: Ridenhower, Rhonda E	Carrier Tracking No(s):	COC No: 160-3118-1452.1
Client Contact: Ms. Maghee Shaw	Phone:	E-Mail: rhonda.ridenhower@testamericainc.com		Page: Page 1 of 5
Company: SEMS, Inc.				Job #:

Address: 11628 South Choctaw St.	Due Date Requested:
City: Baton Rouge	TAT Requested (days):
State, Zip: LA, 70815	
Phone: 225-924-2002(Tel)	PO #: 750-0001
Email: mshaw@semsinc.net	WO #:
Project Name: Camp Minden Baseline Project	Project #: 16004539
Site:	SSOW#:

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8330B - Standard Target List	8260C - (MOD) Standard Target List	8270D - (MOD) OLM 4.2 Target List	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N		
2015,08,17, A.5	08/17/15	1020	G	Solid			X	X	X		
2015,08,17, A.3	8/17/15	1030	G	Solid			X	X	X		
2015,08,17, A.1	8/17/15	1040	G	Solid			X	X	X		
2015,08,17, A.1.6	8/17/15	1050	G	Solid			X	X	X		
2015,08,17, C.1	8/17/15	1100	G	Solid			X	X	X		
2015,08,17, C1.6	8/17/15	1115	G	Solid			X	X	X		
2015,08,17, C.3	8/17/15	1130	G	Solid			X	X	X		
2015,08,17, C5	8/17/15	1200	G	Solid			X	X	X		
2015,08,17, E5	8/17/15	1215	G	Solid			X	X	X		
2015,08,17, E3	8/17/15	1230	G	Solid			X	X	X		
2015,08,17, G1	8/17/15	1240	G	Solid			X	X	X		

160-13469 Chain of Custody

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by:	Date/Time: 8/19/15	Company SEMS	Received by: Date/Time: 8/19/15 1208 Company TA
Relinquished by:	Date/Time: 8/19/15 1600	Company	Received by: Date/Time: 8/20/15 0900 Company TA
Relinquished by:	Date/Time:	Company	Received by: Date/Time: Company

Custody Seals Intact: △ Yes △ No
Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

TestAmerica St. Louis
13715 Rider Trail North
Earth City, MO 63045
Phone (314) 298-8566 Fax (314) 298-8757

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: GS, JD	Lab PM: Ridenhower, Rhonda E	Carrier Tracking No(s):	COC No: 160-3118-1452.2
Client Contact: Ms. Maghee Shaw	Phone:	E-Mail: rhonda.ridenhower@testamericainc.com		Page: Page 2 of 5
Company: SEMS, Inc.				Job #:
Address: 11628 South Choctaw St.	Due Date Requested:			
City: Baton Rouge	TAT Requested (days):			
State, Zip: LA, 70815				
Phone: 225-924-2002(Tel)	PO #: 750-0001			
Email: mshaw@semsinc.net	WO #:			
Project Name: Camp Minden Baseline Project	Project #: 16004539			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8330B - Standard Target List	8260C - (MOD) Standard Target List	8270D - (MOD) OLM 4.2 Target List	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N		
2015.08.17.E1	8/17/15	1250	G	Solid							
2015.08.17.G3	8/17/15	1300	G	Solid							
2015.08.17.G5	8/17/15	1450	G	Solid							
2015.08.17.dup#01	8/17/15	--	G	Solid							
2015.08.17.H-4	8/17/15	1500	G	Solid							collected ms/msd
2015.08.17.I5	8/17/15	1600	G	Solid							
2015.08.17.K3	8/17/15	1610	G	Solid							
2015.08.17.K5	8/17/15	1620	G	Solid							
2015.08.17.K1	8/17/15	1645	G	Solid							
2015 08 17 I5-1	8/17/15	1700	G	Solid							
2015 08 17 dup#02	8/17/15		G	Solid							

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		8/19/15	SEMS		8/12/15 1100	TA
2		8/19/15 1650			8/20/15 0915	TA
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Page 6 of 17

9/29/2015

TestAmerica St. Louis
13715 Rider Trail North
Earth City, MO 63045
Phone (314) 298-8566 Fax (314) 298-8757

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: GS BD	Lab PM: Ridenhower, Rhonda E	Carrier Tracking No(s):	COC No: 160-3118-1452.3
Client Contact: Ms. Maghee Shaw	Phone:	E-Mail: rhonda.ridenhower@testamericainc.com		Page: Page 3 of 5
Company: SEMS, Inc.				Job #:

Address: 11628 South Choctaw St.	Due Date Requested:
City: Baton Rouge	TAT Requested (days):
State, Zip: LA, 70815	
Phone: 225-924-2002(Tel)	PO #: 750-0001
Email: mshaw@semsinc.net	WO #:
Project Name: Camp Minden Baseline Project	Project #: 16004539
Site:	SSOW#:

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8330B - Standard Target List	8260C - (MOD) Standard Target List	8270D - (MOD) OLM 4.2 Target List	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N		
2015 08 17 M1	8/17/15	1715	G	Solid			X	X	X		collected MS/MSD
2015 08 18 N2	8/18/15	0800	G	Solid			X	X	X		
2015 08 18 M3	8/18/15	0815	G	Solid			X	X	X		
2015 08 18 L4	8/18/15	0840	G	Solid			X	X	X		
2015 08 18 M5	8/18/15	0850	G	Solid			X	X	X		
2015 08 17 Field Blank	8/17/15	1130	G	~~Solid~~			X	X	X		
2015 08 17 Equip Blank	8/17/15	1230	G	~~Solid~~			X	X	X		
2015 08 18 Field Blank	8/18/15	0745	G	~~Solid~~			X	X	X		
2015 08 18 Equip Blank	8/18/15	0830	G	~~Solid~~			X	X	X		
2015 08 18 P0,7	8/18/15	0900	G	Solid			X	X	X		
2015 08 18 Q 0,4	8/18/15	0920	G	Solid			X	X	X		

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time:	Company		Date/Time:	Company
Relinquished by:	8/19/15	SEMS	Received by:	8/19/15 1700	TA
Relinquished by:	8/19/15 1650		Received by:	8/20/15 0905	TA
Relinquished by:			Received by:		

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

TestAmerica St. Louis
13715 Rider Trail North
Earth City, MO 63045
Phone (314) 298-8566 Fax (314) 298-8757

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: GB, BD	Lab PM: Ridenhower, Rhonda E	Carrier Tracking No(s):	COC No: 160-3118-1452.4
Client Contact: Ms. Maghee Shaw	Phone:	E-Mail: rhonda.ridenhower@testamericainc.com		Page: Page 4 of 5
Company: SEMS, Inc.				Job #:
Address: 11628 South Choctaw St.	Due Date Requested:			
City: Baton Rouge	TAT Requested (days):			
State, Zip: LA, 70815				
Phone: 225-924-2002(Tel)	PO #: 750-0001			
Email: mshaw@semsinc.net	WO #:			
Project Name: Camp Minden Baseline Project	Project #: 16004539			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8330B - Standard Target List	8260C - (MOD) Standard Target List	8270D - (MOD) OLM 4.2 Target List *	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N		
2015 08 18 P0.2	8/18/15	0940	G	Solid			X	X	X		
2015 08 18 DUP#02	8/18/15	1010	G				X	X	X		
2015 08 18 DUP#03	8/18/15		G				X	X	X		
2015 08 18 P0.4	8/18/15	1030	G				X	X	X		MS/MSD collected
2015 08 18 H2	8/18/15	1300	G				X	X	X		
2015 08 18 B2.3	8/18/15	1320	G				X	X	X		
2015 08 18 E6.5	8/18/15	1345	G				X	X	X		
2015 08 18 F 7.5	8/18/15	1400	G				X	X	X		MS/MSD collected
2015 08 18 DUP #04	8/18/15		G				X	X	X		
2015 08 19 Trip Blk 01-18	8/19/15		G					X			

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Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify)	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		8/19/15	SEMS		8/19/15	TA
2		8/19/15 1650	TA		8/20/15 0900	TA
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

* 8270 to include RECAP SVOCs constituents + 2-4 dinitrotoluene, 2,6 dinitrotoluene dinbutylphalate & diphenylamine.

9/29/2015

TestAmerica St. Louis
13715 Rider Trail North
Earth City, MO 63045
Phone (314) 298-8566 Fax (314) 298-8757

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: GB BD	Lab PM: Ridenhower, Rhonda E	Carrier Tracking No(s):	COC No: 160-3119-1453.1
Client Contact: Ms. Maghee Shaw	Phone:	E-Mail: rhonda.ridenhower@testamericainc.com		Page: 5 Page 4 of 5
Company: SEMS, Inc.				Job #:
Address: 11628 South Choctaw St.	Due Date Requested:			
City: Baton Rouge	TAT Requested (days):			
State, Zip: LA, 70815				
Phone: 225-924-2002(Tel)	PO #: 750-0001			
Email: mshaw@semsinc.net	WO #:			
Project Name: Camp Minden Baseline Project	Project #: 16004539			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1613B, 353.2_Nitrogell	6020A, 7471B (Reanalysis only)	8015B_DRO - DRO	8015B_GRO - GRO	Dioxins/Furans 1613B	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N			
20150818 D0,2	8/18/15	1010	G	Solid			X	X			X		
20150818 B2,3	8/18/15	1320	G	Solid			X	X			X		
20150818 E6,5	8/18/15	1345	G	Solid			X	X	X	X	X		
20150818 H2	8/18/15	1300	G	Solid			X	X			X		
				Solid									

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:		Date:	Time:		Method of Shipment:	
Relinquished by:	Date/Time: 8/19/15	Company: SEMS	Received by:	Date/Time: 8/19/15 1700	Company: TA	
Relinquished by:	Date/Time: 8/19/15 1650	Company: TA	Received by:	Date/Time: 8/20/15 0915	Company: TA	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company	

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

Login Sample Receipt Checklist

Client: SEMS, Inc

Job Number: 160-13469-2
SDG Number:

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.	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	

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

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

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 O0.2	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		2.6	0.66	mg/Kg	5	☼	6020A	Total/NA

This Detection Summary does not include radiochemical test results.

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

TestAmerica Job ID: 160-13469-2

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

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 160-212975/1-A
Matrix: Solid
Analysis Batch: 213217

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 212975

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.95	0.25	mg/Kg		09/25/15 07:44	09/25/15 15:18	2

Lab Sample ID: LCSSRM 160-212975/2-A
Matrix: Solid
Analysis Batch: 213217

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 212975

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	113	117		mg/Kg		103.8	69.7 - 142.5

Lab Sample ID: 160-13469-35 MS
Matrix: Solid
Analysis Batch: 213217

Client Sample ID: 2015 08 18 O0.2
Prep Type: Total/NA
Prep Batch: 212975

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	3.2		106	115		mg/Kg	☼	105	75 - 125

Lab Sample ID: 160-13469-35 MSD
Matrix: Solid
Analysis Batch: 213217

Client Sample ID: 2015 08 18 O0.2
Prep Type: Total/NA
Prep Batch: 212975

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	3.2		108	113		mg/Kg	☼	102	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 O0.2	Total/NA	Solid	3050B	
160-13469-35 MSD	2015 08 18 O0.2	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 O0.2	Total/NA	Solid	6020A	212975
160-13469-35 MS	2015 08 18 O0.2	Total/NA	Solid	6020A	212975
160-13469-35 MSD	2015 08 18 O0.2	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