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November 11, 2010

Sent via email to
r.gerondale@cmiak.com

Construction Machinery Industrial, LLC
5400 Homer Drive
Anchorage, AK 99518

ATTN: Robert Gerondale

RE: Groundwater and Stockpile Sampling
1952 Ada Street, Fairbanks, Alaska

Robert:

NORTECH Environmental Engineering, Health, and Safety (***NORTECH***) is pleased to provide the following results from the site assessment at 1952 Ada Street. The following text is a summary of the project history, field activities, and laboratory results for the soil stockpiles and groundwater sampling events to date.

Project Background

NORTECH was retained by Construction Machinery Industrial, LLC (CMI) to complete a Phase I ESA at 1952 Ada Street as part of a proposed land transfer from Mr. Quake Haydon. An underground storage tank containing gasoline was identified and was not registered with the ADEC UST program. CMI and Mr. Haydon requested a site assessment following removal of the tank by Mr. Haydon in September 2009.

Field screening results and olfactory indications of contamination were observed in the soil at the edge of the tank excavation limits. A small amount (less than five cubic yards) additional soil material was removed until the apparent clean limits had been reached. The deepest portion of the excavation was observed to be below the water table, and a temporary sand point monitoring well was installed within the excavation. A total of three laboratory soil samples were collected at the excavation limits and submitted for gasoline range organic (GRO) and benzene, toluene, ethylbenzene, and total xylene (BTEX) contaminant analysis. Two laboratory groundwater samples (a primary and duplicate) were collected and submitted for GRO and BTEX analysis.

Each laboratory soil sample from the limits of the excavation was non-detect for GRO and BTEX compounds. Based on these results, the excavation may be backfilled with clean material. Groundwater sample results showed GRO and benzene concentrations were above the applicable ADEC Cleanup Levels. Toluene, ethylbenzene and total xylene contaminants were detected in the groundwater at concentrations below the applicable ADEC Cleanup Levels.

Due to the installation of the temporary sampling point immediately within the open excavation, follow-up sampling was recommended prior to reporting the suspected release to ADEC. This follow-up sampling was completed in August 2010. The benzene concentration has dropped significantly, but remains above the ADEC Cleanup Level. During this field work, the contaminated stockpile, which had been moved onto a clean stockpile, was also field screened to identify the potential for remaining contamination. All field screening results from this stockpile were at background concentrations.

In addition to the potential on-site source of contamination, this property is also located near an area of known benzene contamination from multiple sources. The primary sources are believed to be the ADOT Peger Road facility south of Davis Road and the Tesoro on the north side of Davis Road. Other potential sources are known to be present within this area of concern. Previous investigations of the area-wide benzene concerns, as well as site characterization at nearby properties, suggest the area-wide benzene plume may not be impacting this site. Nevertheless, this potential off-site source is considered a potential for contributing to the observed benzene concentrations until analytical testing has been completed on the property to evaluate this concern.

Objectives

A work plan for the stockpile and limited groundwater assessment was submitted to and approved by ADEC. The specific objectives of the activities outlined in the work plan were to:

- Characterize the stockpiled soil for disposal purposes
- Investigate the potential for downgradient migration of the benzene observed at the former tank location
- Investigate the potential for the off-site benzene contamination to be contributing to the benzene observed at the former tank location

Methodology

Field Screening Equipment and Methodology

A PhotoVac 2020PRO Hand Held Air Monitor/Photoionization Detector (PID) was the primary instrument used to field screen the soils for POL contamination. The PhotoVac PID is the primary field-screening instrument of choice as field screening with a PID allows for semi-quantitative real time analysis as compared to some of the other field screening methods that either use qualitative analysis or are more sensitive to temperature, humidity and hydrocarbon concentration variations.

Additionally, the PhotoVac-2020 is intrinsically safe and approved for use in Class 1, Division 2, Groups A, B, C, & D Hazardous Locations and is rugged in construction.

Field screening by a PID involves measuring the concentration vapors generated by the POL contaminants in soils. The PID yields semi-quantitative values for soil gas concerning how much contaminant(s) are present, in reference to a certified isobutylene gas standard. Important specifications of the PhotoVac PID are as follows:

Instrument:	PhotoVac 2020PRO PID
Detection Limit:	0.1 ppm
Response Time:	Less than 5 seconds
Calibration:	Certified Isobutylene Standard (nominal 100 ppm)
Operating Temperature Range:	32 to 105^{o}F (0 to 40^{o}C)

NORTECH used the headspace method of field screening in general accordance with ADEC's Guidance for Treatment of Petroleum-Contaminated Soil and Water and Standard Sampling Procedures (referred to as the SSP in this document), Section 4, dated November 7, 2002 and the ADEC 2010 Field Sampling Guidance. Headspace screening consists of partially filling (one-third to one-half) a clean resealable bag with freshly uncovered soils to be field screened.

The bag was sealed and headspace vapors are allowed to develop. The bag was agitated at the beginning and end of the headspace development period. The soil and headspace were warmed to at least 40 degrees F (5 degrees C). A small opening was made in the top of the bag and the PID probe was inserted into the bag and the soil gas drawn from the center of the space above the soils and analyzed for hydrocarbon vapors. The highest PID reading from each sample was recorded in the field book.

POL Contaminant Level Classification

Headspace field screening is a method of quickly assessing potential POL contamination in the field without the need for laboratory results. However, a correlation between PID field screening results and laboratory results is generally site specific. ***NORTECH*** used the classifications described below based on experience with recent gasoline releases. PID field screening results greater than 20 ppm are considered above background and typically correlate to either suspect or known heating oil contamination. Field screening results between 20 ppm and 100 ppm are often in excess of ADEC's Method 2 cleanup level for this area and considered potentially contaminated. Field screening levels greater than 100 ppm is usually in excess of this cleanup level and considered contaminated.

Lab Sampling and Analysis Procedure

Soil and groundwater samples were collected to evaluate the site relative to ADEC Method 2 clean up levels. Sampling was conducted following ADEC procedures outlined in the SSP, including the use of laboratory provided glassware and sample storage in a chilled cooler. SGS Environmental Services in Anchorage, Alaska, provided laboratory analysis.

Samples were analyzed for some or all of the following constituents:

- Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX) by EPA Method 8021
- Gasoline Range Organics (GRO) by Alaska Method AK 101
- Lead by SW 6020
- VOCs by EPA Method 8260B

Cleanup Levels

Applicable soil cleanup levels for this site were developed using ADEC Method 2. Method Two cleanup levels are located in Tables B1 and 8B2 of 18 AAC 75.341 for the "under-40 inch" zone. Cleanup levels are shown with the laboratory analysis results in Appendix 2, Table 1.

Field Activities

September 9, 2010

Antonio Norsworthy and Doug Dusek met Ron Drumhiller of The Drilling Company to install additional groundwater monitoring wells. Two 1 1/4" steel temporary monitoring wells with a six-foot screened interval were installed by direct push methods. Well locations were determined based on the area-wide gradient identified by the ADOT&PF investigation and accessibility factors determined in the field.

The upgradient well (MW-3) was installed approximately 30' south southeast of the former UST tank location and groundwater monitoring well (MW-1) that was installed in September 2009. During the installation, ice was encountered at approximately nine feet below the ground surface (bgs). The well was removed and relocated four feet west of the original location. Ice was again encountered at nine feet bgs, however it was calculated that one foot of the screened interval was below the groundwater table. This well was purged dry and allowed to recharge. This process was repeated until the water was free of silt. A groundwater sample was collected and labeled MW-3.

The downgradient monitoring well (MW-2) was installed 32 feet north northwest of the tank location and two feet south of the main structure between the man door and garage. This well point was purged until the purged water was free of silt and then a sample was collected. Approximately 5 gallons of water were purged and no sheen was observed on the purged water. The original well MW-1, was purged of approximately three well volumes and a sample and duplicate were collected.

Two existing Stockpiles labeled Stockpile 1 and 2 were screened using the headspace method at 10 locations in each pile as shown in Figure 4. The suspect soil from 2009 was believed to be placed on Stockpile 2. An analytical sample was collected from the location exhibiting the highest screening levels from each stockpile. The duplicate sample was collected from Stockpile 2.

Laboratory Results with Discussion

Stockpiles

Soil laboratory samples, including one field duplicate, were collected from the stockpiles and analyzed for GRO (gasoline range organics), BTEX (benzene, toluene, ethylbenzene, and xylenes), and volatile organic compounds (VOCs). The sample collected from Stockpile 2 was also analyzed for lead. Sample locations are shown in Figure 4, laboratory results are summarized in Table 1. A complete copy of the laboratory report and ADEC laboratory data checklist is also attached.
Each sample was non-detect for all contaminants of concern except for lead that was 6.57 mg/Kg, well below the ADEC's Method two cleanup level of 400 mg/Kg and established Fairbanks background levels of 14 to 25 mg/L. The background levels are published in a report from the US Army Corp. of Engineers study, titled Background Data Analysis for Arsenic, Barium, Cadmium, Chromium, & Lead on Fort Wainwright, Alaska. The field duplicate quality control data is also shown in Table 1 and was acceptable for these samples. A Laboratory Data Review Checklist was also completed for this laboratory report. A few minor quality concerns were associated with these samples and discussed in the attached document, but the results are considered usable as discussed in this report.

The laboratory results indicate that this soil meets the most stringent ADEC cleanup criteria and should be considered clean. Due to the suspected contamination, disposal of the soil on the property is recommended. The best option would be to spread the material on the gravel surface of the site to fill in low spots or provide a better driving surface. Based on these results, the CSM has been updated to reflect that no soil contamination is present on the site.

Groundwater

A total of four groundwater samples, including one field duplicate, were collected from the one existing (MW-1) and two new monitoring wells (MW-2 and MW-3) and analyzed for GRO and BTEX. The sample from MW-1 was also analyzed for VOCs and lead. The well locations are shown in Figure 4, laboratory results are summarized in Tables 2 and 3. The results are also in the attached laboratory report. A summary of the results to date in MW-1 is included as Table 4.

In MW-1, the benzene concentration of 0.008mg/L exceeds the ADEC cleanup level of 0.005 mg/L. An additional 15 VOCs were detected below the respective cleanup levels. No compounds of concern were detected at MW-2 or MW-3. Field duplicate quality control data from MW-1 is summarized in Table 2 and is acceptable for this sample pair. A few minor quality concerns were associated with these samples and discussed in the attached document, but the results are considered usable as discussed in this report.

The MW-1 results indicate that the contaminant concentration is decreasing. The benzene concentration has dropped significantly from the initial sampling event and is now only slightly above the ADEC cleanup level. This indicates that the contamination was most likely related to the former tank. The results from MW-3 confirm that off-site contaminant sources do not appear to be impacting the property. The results from MW-2 indicate that the extent of the contamination is limited to the immediate vicinity of the former tank. Based on this, the CSM has been updated to reflect that ingestion of groundwater is the only potentially complete pathway, but the site is on public water so actual exposure route is considered controlled and actual exposure through ingestion of contamination groundwater is extremely unlikely.

While the results indicate that the tank was the most likely source, they also indicate that the impacts to the groundwater are limited. The source removal efforts (both the tank and contaminated soil) have been successful and the dissolved benzene concentration is expected to continue decreasing. ***NORTECH*** recommends requesting ADEC approval for an annual groundwater sampling program of MW-1 for GRO/BTEX compounds in September. Methodology would be the same as approved in the September 2010 Work Plan. This program would continue until two consecutive events are below cleanup levels or would be re-evaluated in three years. Based on the current data trends, the groundwater is expected meet the ADEC cleanup level in September 2011 and the final event would be in September 2012. With ADEC approval, sampling would be discontinued at that time and the monitoring well could be removed.

Conclusions and Recommendations

Based on the site assessment work completed, a limited release of gasoline impacted the soil and groundwater related to a former underground gasoline tank at 1952 Ada Street. The former tank was removed and the limited amount of contaminated soil was excavated and stockpiled at the site for testing and disposal. ***NORTECH*** has developed the following conclusions and recommendations about the site:

- The contaminant source has been removed
- Two stockpiles were generated during excavation in 2009
    - Analytical results indicate the stockpiles are not impacted with petroleum compounds
    - The stockpiles can be used to backfill the excavation and/or level the driveway
- Groundwater results from the source area indicate:
    - BTEX and VOC results are consistent with a release of gasoline
    - Benzene is now the only compound detected above ADEC cleanup levels
    - Concentrations of the contaminants of concern are decreasing

- Groundwater results outside the source area indicate:
  - Upgradient off-site sources are not impacting the site
  - The impacted groundwater extends less than 30 feet downgradient
- Recommended activities at the site include:
  - Disposal of the stockpiles through spreading on the existing gravel surface
  - Removal of the MW-2 and MW-3 steel monitoring wells
- This report should be submitted to ADEC to document the existing site conditions and request approval of a work plan that includes:
  - Sampling MW-1 annually in September
  - Sampling methodology would be the same as the approved September 2010 Work Plan
  - Discontinue and decommission MW-1 after two consecutive events are below cleanup levels

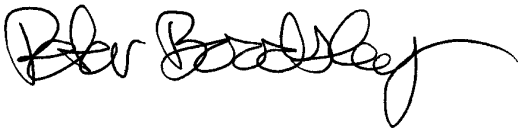
Limitations and Notifications

NORTECH provides a level of service that is performed within the standards of care and competence of the environmental engineering profession. However, it must be recognized that limitations exist within any site investigation. This report provides results based on a restricted work scope and from the analysis and observation of a limited number of samples. Therefore, while it is our opinion that these limitations are reasonable and adequate for the purposes of this report, actual site conditions may differ. Specifically, the unknown nature of exact subsurface physical conditions, sampling locations, the analytical procedures' inherent limitations, as well as financial and time constraints are limiting factors.

The report is a record of observations and measurements made on the subject site as described. The data should be considered representative only of the time the site investigation was completed. No other warranty or presentation, either expressed or implied, is included or intended. This report is prepared for the exclusive use of CMI. If it is made available to others, it should be for information on factual data only, and not as a warranty of conditions, such as those interpreted from the results presented or discussed in the report. We certify that except as specifically noted in this report, all statements and data appearing in this report are in conformance with ADEC's Standard Sampling Procedures. ***NORTECH*** has performed the work, made the findings, and proposed the recommendations described in this report in accordance with generally accepted environmental engineering practices.

We trust that this information is sufficient for your needs at the present time. If you have any questions or comments about the activities documented or recommended in this report, please contact me at your earliest convenience.

Sincerely,
NORTECH



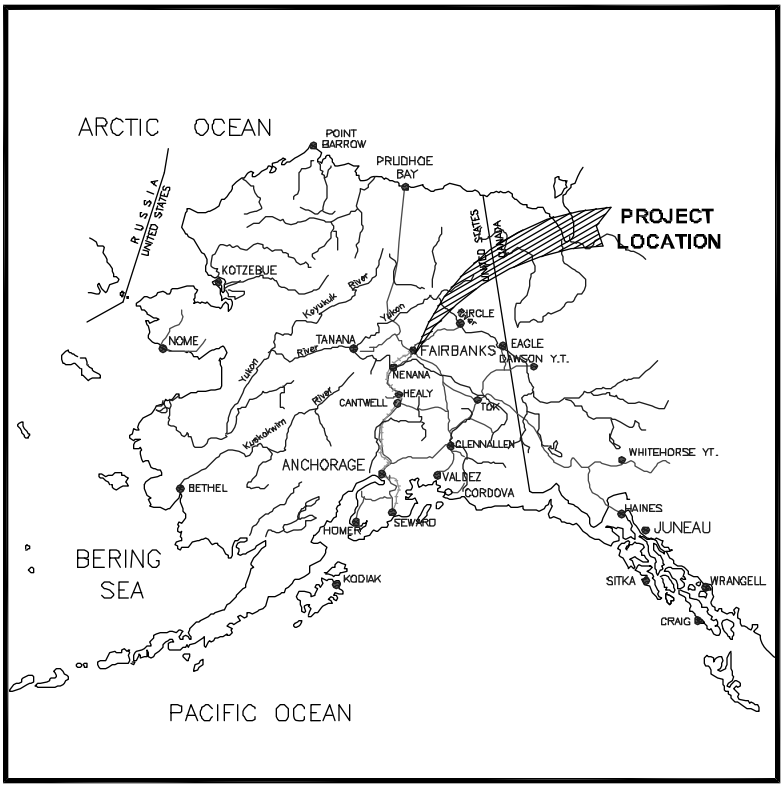
Peter Beardsley, PE
Environmental Engineer

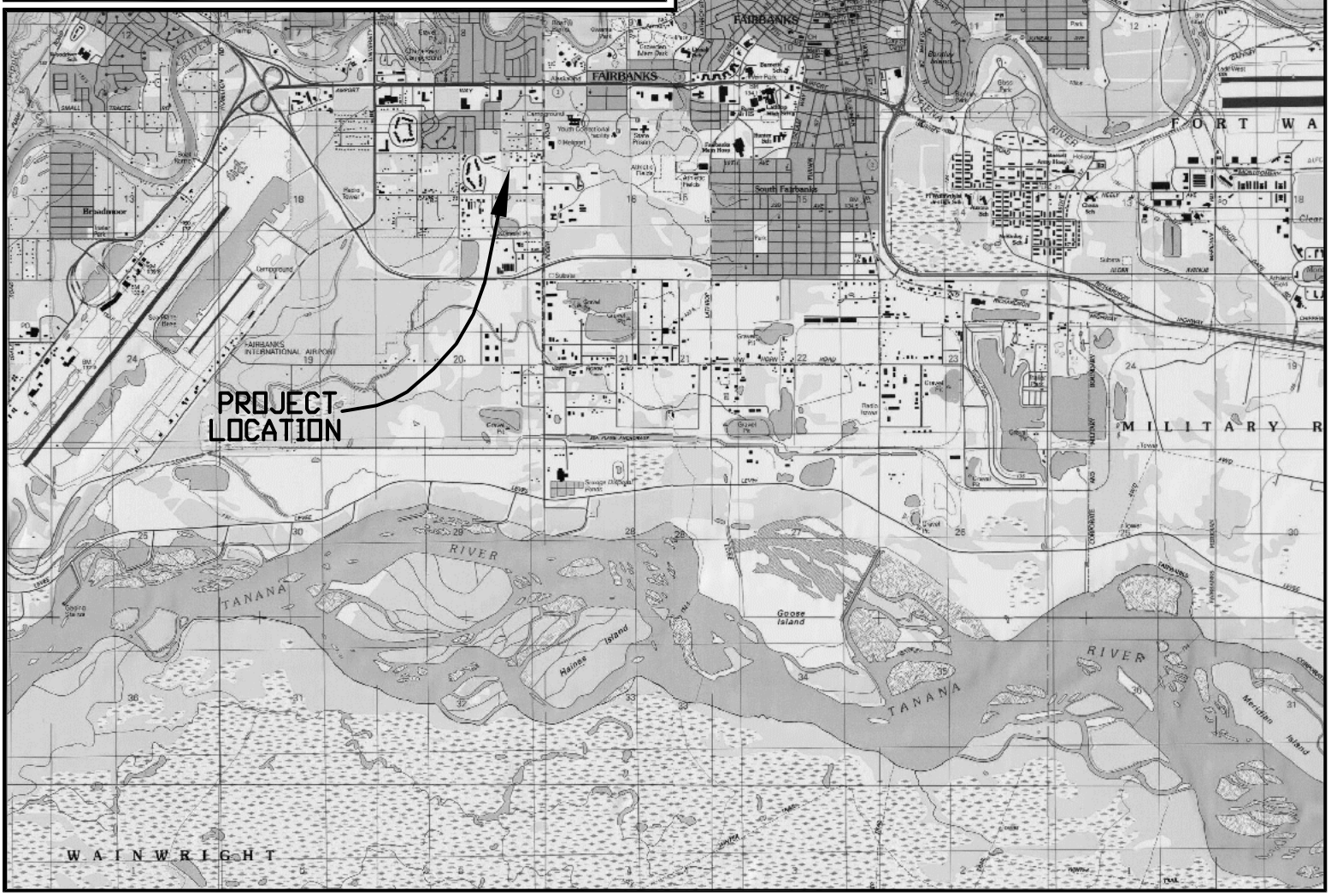
Attachment: Figure 1 – Location Map
Figure 2 – Vicinity Map
Figure 3 – Monitoring Well Locations and Benzene Results
Figure 4 – Stockpile Soil Screening and Sample Locations

Table 1 – Stockpile Soil Lab Results
Table 2 – Groundwater Results
Table 3 – Detected VOC Results
Table 4 – Historical Groundwater Results

Conceptual Site Model Scoping Form – Updated

Copy of Laboratory Report and Lab Review Checklist





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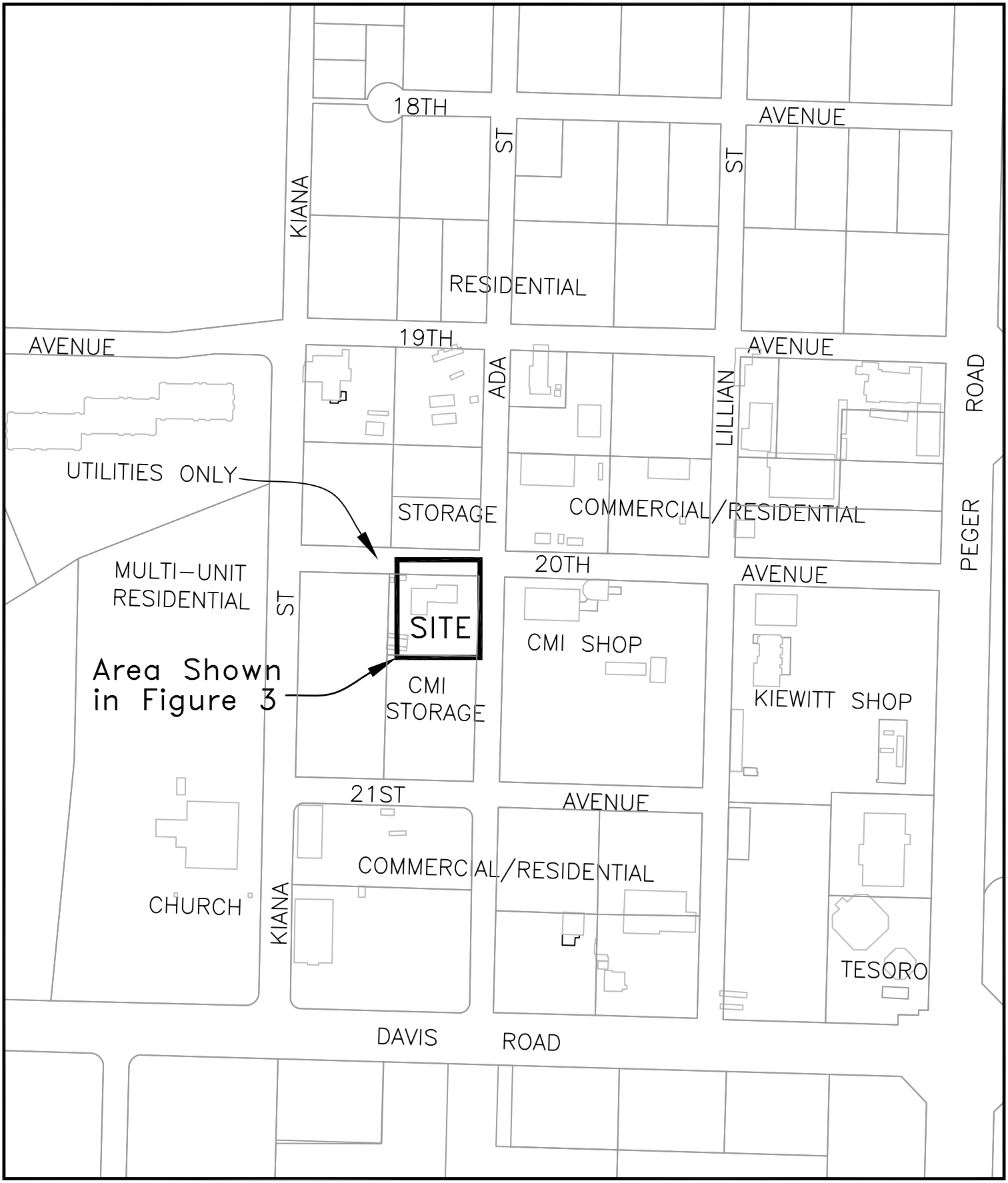
Location Map
1952 Ada Street - CMI/Haydon Property
Fairbanks, Alaska

SCALE: 1"=1 mi	FIGURE: 1
DESIGN: PLB	
DRAWN: PLB	
PROJECT NO: 10-1088	
DWG: 101088a(1)	
DATE: 11/03/10	



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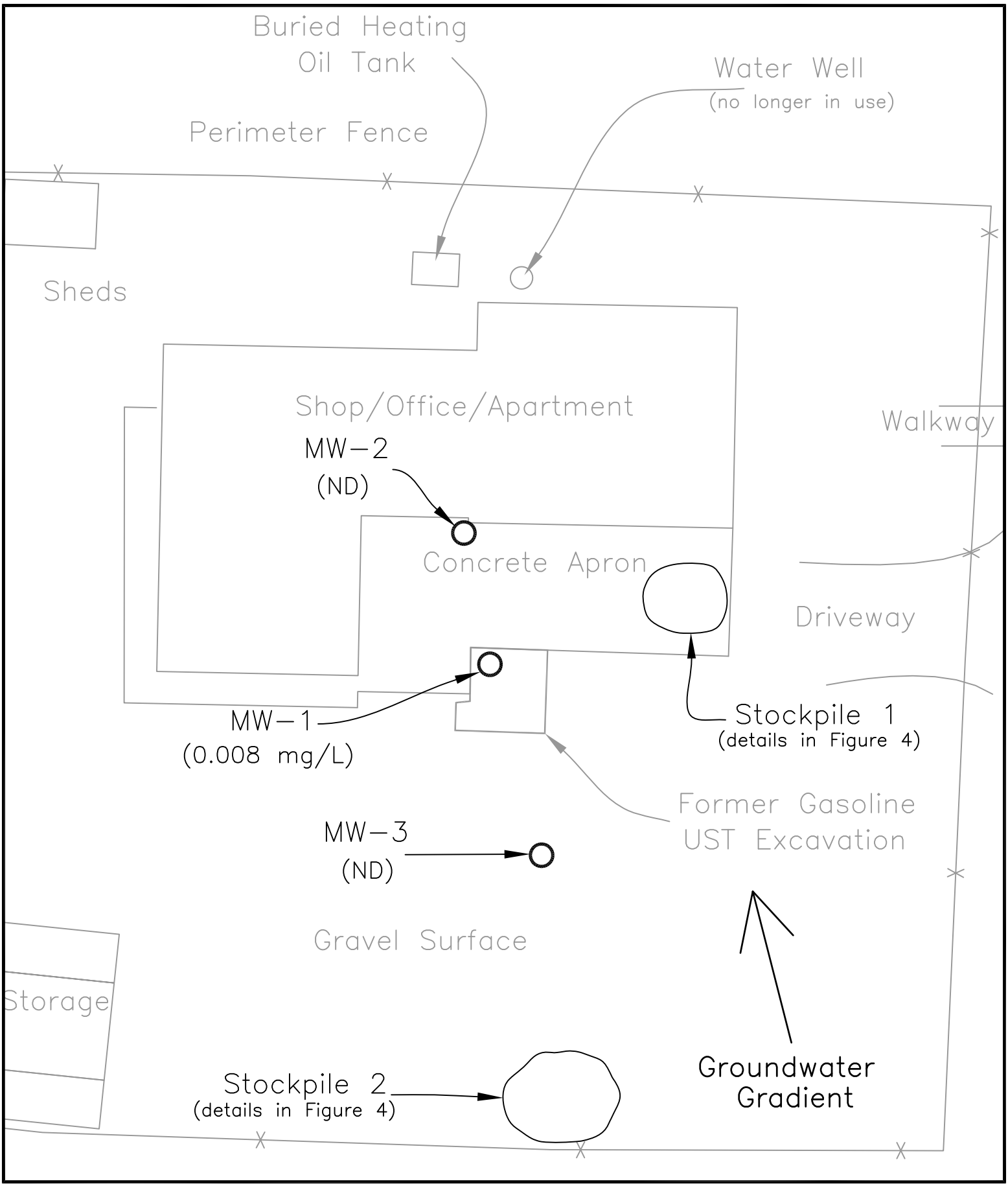
Vicinity Map
1952 Ada Street - CMI/Haydon Property
Fairbanks, Alaska

SCALE: 1" = 250'	FIGURE: 2
DESIGN: PLB	
DRAWN: PLB	
PROJECT NO: 10-1088	
DWG: 101088a(2)	
DATE: 11/03/10	



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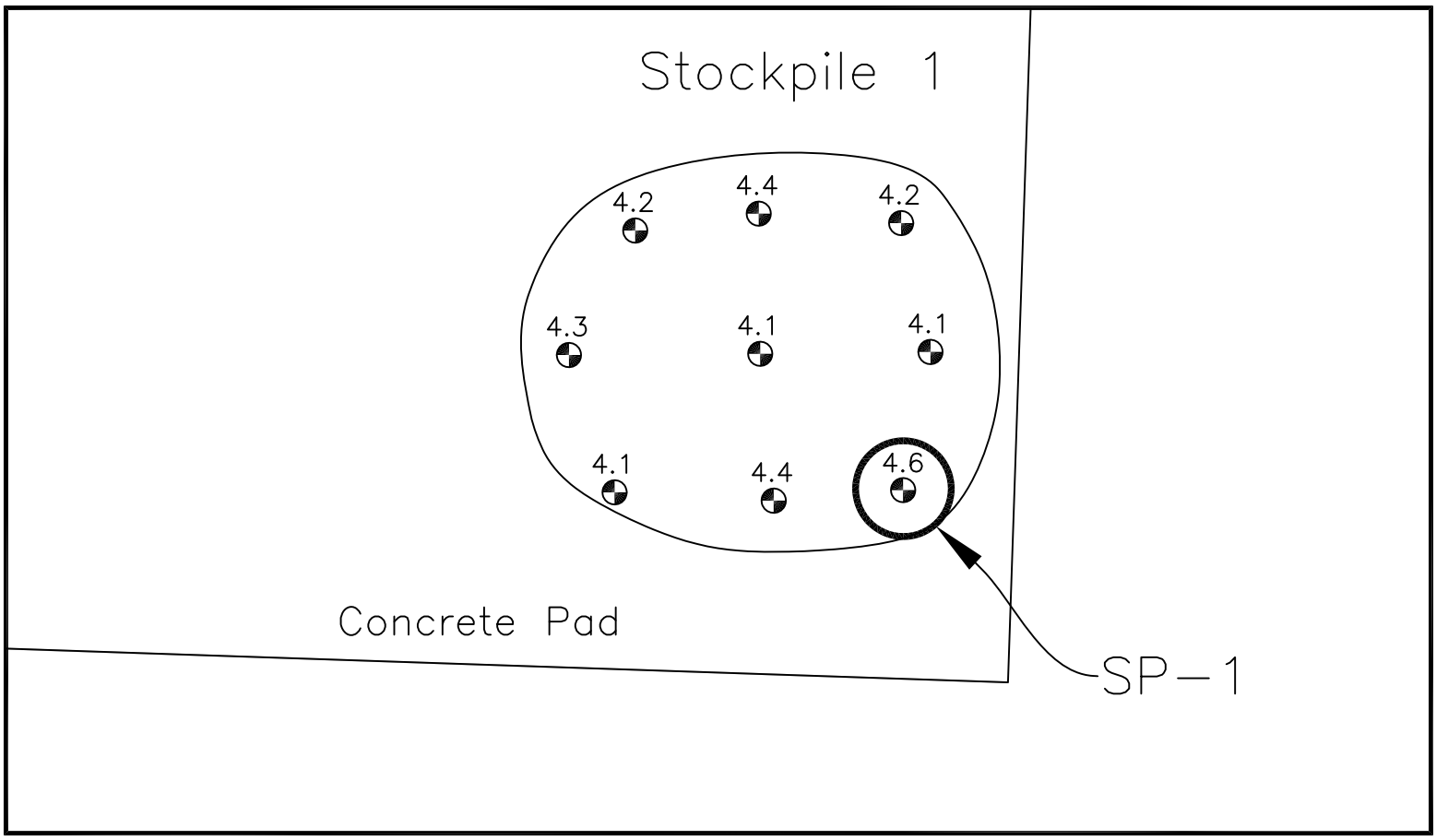
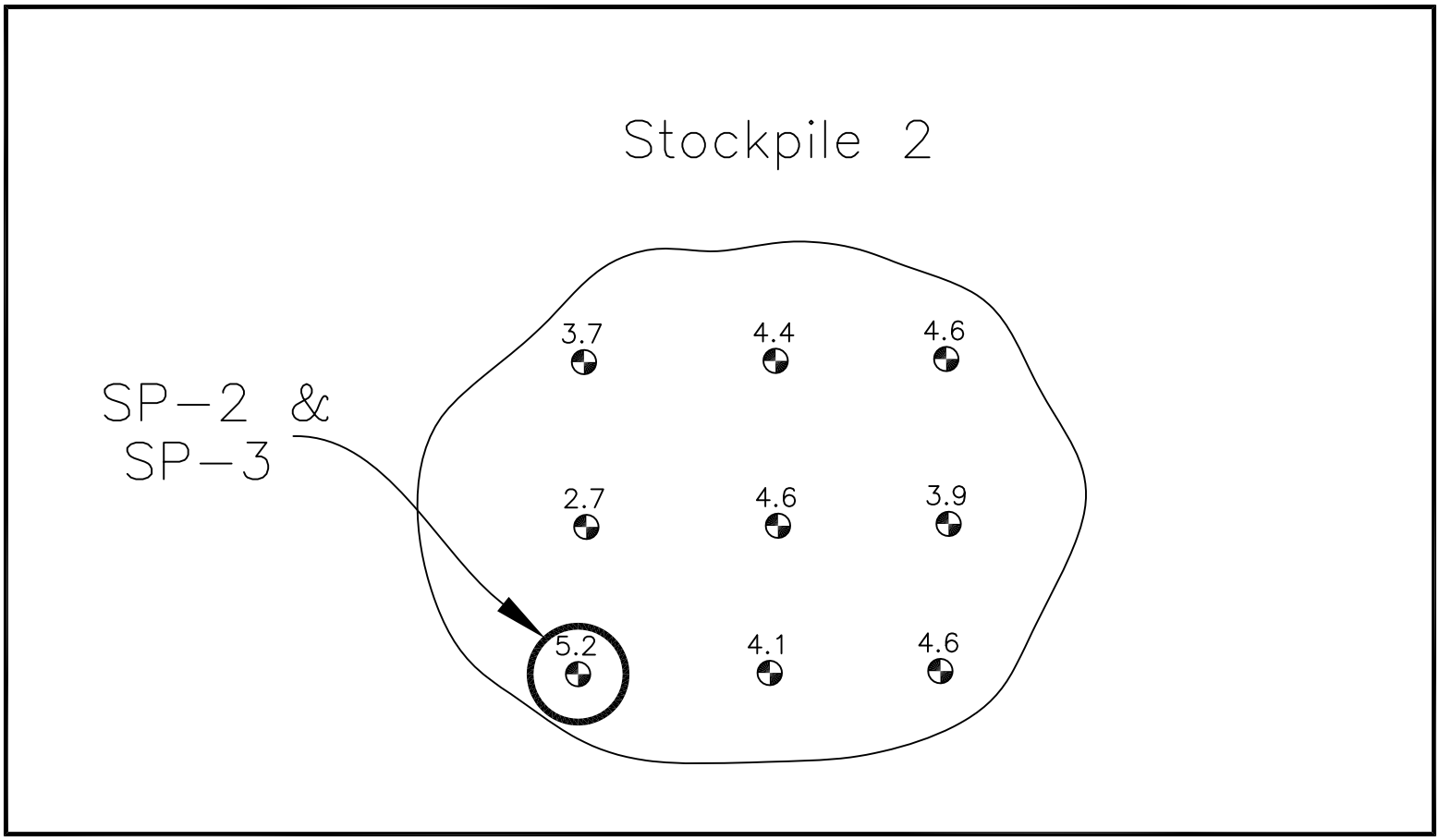
Monitering Well Locations & Benzene Results
1952 Ada Street - CMI/Haydon Property
Fairbanks, Alaska

SCALE: 1" = 20'	FIGURE: 3
DESIGN: PLB	
DRAWN: PLB	
PROJECT NO: 10-1088	
DWG: 101088a(3)	
DATE: 11/03/10	





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Stockpile Screening and Lab Sample Locations
1952 Ada Street - CMI/Haydon Property
Fairbanks, Alaska

SCALE: 1" = 5'	FIGURE: 4
DESIGN: PLB	
DRAWN: PLB	
PROJECT NO: 10-1088	
DWG: 101088a(4)	
DATE: 11/03/10	

Table 1
Soil Laboratory Results GRO and BTEX

Sample ID	Field Screen	GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes
Method	PID	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Reg Limit	ppm	300	0.025	7	6.9	63
SP1-1*	4.6	NT	0.0119U	0.0475U	0.0238U	0.0950U
SP2-3	5.2	2.79U	0.0139U	0.0557U	0.0557U	0.0557U
Dup	5.2	2.86U	0.0143U	0.0573U	0.0573U	0.0573U

Notes:

NT	Not tested, see laboratory data review checklist for comments
*	BTEX results reported from VOC analysis
U	Contaminant not detected at specified laboratory detection limit

Groundwater Duplicate QC Results

Sample ID	SP2-3	Dup	Average	Difference	RPD
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%
GRO	2.79U	2.86U	NA	NA	NA
B	0.0139U	0.0143U	NA	NA	NA
T	0.0557U	0.0573U	NA	NA	NA
E	0.0557U	0.0573U	NA	NA	NA
X	0.0557U	0.0573U	NA	NA	NA

RPD	Relative percent difference
NA	Calculation not applicable

Table 2
Groundwater Laboratory Results GRO and BTEX

Sample ID	GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes
Method	AK101	8021B	8021B	8021B	8021B
Reg Limit	1.5 mg/L	0.005 mg/L	1 mg/L	0.7 mg/L	10 mg/L
MW1	0.280	**0.0081**	.002U	0.0240	0.0100
Dup (MW-4)	0.284	**0.008**	.002U	0.0243	0.0104
MW-2	ND	0.005U	.002U	.002U	.002U
MW-3	ND	0.005U	.002U	.002U	.002U

Notes:

U	Contaminant not detected at specified laboratory detection limit
shade	Result is above detection limit, but below ADEC regulatory limit
bold	Result is above ADEC regulatory limit

Groundwater Duplicate QC Results

Sample ID	MW1	MW2	Average	Difference	RPD
Analyte	mg/L	mg/L	mg/L	mg/L	%
GRO	0.2800	0.2840	0.2820	0.0040	1%
B	0.0081	0.0080	0.0081	-0.0001	-1%
T	ND	ND	NA	NA	NA
E	0.0240	0.0243	0.0242	0.0003	1%
X	0.0100	0.0104	0.0102	0.0004	4%

RPD	Relative percent difference
NA	Calculation not applicable

Table 3
Detected VOCs in Groundwater by EPA Method 8260
MW-1

Compound	ADEC Limit (mg/L)	Results (mg/L)
Benzene	0.005	**0.008**
Ethylbenzene	0.7	0.017
n-Butylbenzene	0.37	0.004
1,3,5 Trimethykbenzene	1.8	0.031
4-Isopropyltoluene	NA	0.012
n-Propylbenezene	0.37	0.039
sec-Betylbenzene	0.37	0.008
P&M Xylene	10 total Xylene	0.006
Naphthalene	0.73	0.008
o-Xylene	10 total Xylene	0.001
1,2,4-Trimethylbenzene	1.8	0.007
tert-Butylbenzene	0.37	0.002
Isopropylbenzene	3.7	0.036

Lead by EPA Method 6020

	ADEC Limit	Result (mg/L)
Lead	0.015	ND

shade	Detected below ADEC regulatory limit
bold	Result is above ADEC regulatory limit
ND	Non-detect

Table 4
Historic Groundwater Results for MW-1

Sample ID	Sampling Date	GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes
Units		mg/L	mg/L	mg/L	mg/L	mg/L
Method		AK101	8021B	8021B	8021B	8021B
Reg Limit		1.5	0.005	1	0.7	10
MW1	09/10/09	**2.5300**	**0.4930**	0.2520	0.1340	0.3670
MW2 *	09/10/09	**2.7000**	**0.4450**	0.2400	0.1370	0.3740
MW1	08/06/10	0.569	**0.0108**	0.002U	0.0793	0.0816
MW2 *	08/06/10	0.587	**0.0126**	0.002U	0.0812	0.0823
MW-1	09/24/10	0.280	**0.0081**	0.002U	0.0240	0.0100
MW-4*	09/24/10	0.284	**0.008**	0.002U	0.0243	0.0104

Notes:

U	Contaminant not detected at specified laboratory detection limit
shade	Result is above detection limit, but below ADEC regulatory limit
bold	Result is above ADEC regulatory limit
*	Field duplicate of MW1

Print Form

Human Health Conceptual Site Model
Scoping Form

Site Name: 1952 Ada Dtreet

File Number: 102.38.161

Completed by: Doug Dusek

Introduction

The form should be used to reach agreement with the Alaska Department of Environmental Conservation (DEC) about which exposure pathways should be further investigated during site characterization. From this information, summary text about the CSM and a graphic depicting exposure pathways should be submitted with the site characterization work plan and updated as needed in later reports.

General Instructions: Follow the italicized instructions in each section below.

1. General Information:

Sources *(check potential sources at the site)*

- ☒ USTs
- ☐ ASTs
- ☐ Dispensers/fuel loading racks
- ☐ Drums
- ☐ Vehicles
- ☐ Landfills
- ☐ Transformers
- ☐ Other:

Release Mechanisms *(check potential release mechanisms at the site)*

- ☒ Spills
- ☐ Leaks
- ☐ Direct discharge
- ☐ Burning
- ☐ Other:

Impacted Media *(check potentially-impacted media at the site)*

- ☐ Surface soil (0-2 feet bgs*)
- ☐ Subsurface soil (>2 feet bgs)
- ☐ Air
- ☐ Sediment
- ☒ Groundwater
- ☐ Surface water
- ☐ Biota
- ☐ Other:

Receptors *(check receptors that could be affected by contamination at the site)*

- ☐ Residents (adult or child)
- ☒ Commercial or industrial worker
- ☒ Construction worker
- ☐ Subsistence harvester (i.e. gathers wild foods)
- ☐ Subsistence consumer (i.e. eats wild foods)
- ☒ Site visitor
- ☒ Trespasser
- ☐ Recreational user
- ☐ Farmer
- ☐ Other:

* bgs - below ground surface

2. Exposure Pathways: *(The answers to the following questions will identify complete exposure pathways at the site. Check each box where the answer to the question is "yes".)*

a) Direct Contact -

1. Incidental Soil Ingestion

Are contaminants present or potentially present in surface soil between 0 and 15 feet below the ground surface? (Contamination at deeper depths may require evaluation on a site-specific basis.) ☐

If the box is checked, label this pathway complete: Incomplete

Comments:

2. Dermal Absorption of Contaminants from Soil

Are contaminants present or potentially present in surface soil between 0 and 15 feet below the ground surface? (Contamination at deeper depths may require evaluation on a site specific basis.) ☐

Can the soil contaminants permeate the skin (see Appendix B in the guidance document)? ☐

If both boxes are checked, label this pathway complete:

Comments:

b) Ingestion -

1. Ingestion of Groundwater

Have contaminants been detected or are they expected to be detected in the groundwater, or are contaminants expected to migrate to groundwater in the future? ☒

Could the potentially affected groundwater be used as a current or future drinking water source? Please note, only leave the box unchecked if DEC has determined the ground-water is not a currently or reasonably expected future source of drinking water according to 18 AAC 75.350. ☒

If both boxes are checked, label this pathway complete: Complete

Comments:

Pathway is compete, but site is on city water. Contamination is limited to small area beneath concrete pad in parking area

2. Ingestion of Surface Water

Have contaminants been detected or are they expected to be detected in surface water, or are contaminants expected to migrate to surface water in the future? ☐

Could potentially affected surface water bodies be used, currently or in the future, as a drinking water source? Consider both public water systems and private use (i.e., during residential, recreational or subsistence activities). ☐

If both boxes are checked, label this pathway complete:

Comments:

3. Ingestion of Wild and Farmed Foods

Is the site in an area that is used or reasonably could be used for hunting, fishing, or harvesting of wild or farmed foods? ☐

Do the site contaminants have the potential to bioaccumulate (see Appendix C in the guidance document)? ☐

Are site contaminants located where they would have the potential to be taken up into biota? (i.e. soil within the root zone for plants or burrowing depth for animals, in groundwater that could be connected to surface water, etc.) ☐

If all of the boxes are checked, label this pathway complete:

Comments:

c) Inhalation-

1. Inhalation of Outdoor Air

Are contaminants present or potentially present in surface soil between 0 and 15 feet below the ground surface? (Contamination at deeper depths may require evaluation on a site specific basis.) ☐

Are the contaminants in soil volatile (see Appendix D in the guidance document)? ☐

If both boxes are checked, label this pathway complete: Incomplete

Comments:

2. Inhalation of Indoor Air

Are occupied buildings on the site or reasonably expected to be occupied or placed on the site in an area that could be affected by contaminant vapors? (within 30 horizontal or vertical feet of petroleum contaminated soil or groundwater; within 100 feet of non-petroleum contaminted soil or groundwater; or subject to "preferential pathways," which promote easy airflow like utility conduits or rock fractures) ☐

Are volatile compounds present in soil or groundwater (see Appendix D in the guidance document)? ☐

If both boxes are checked, label this pathway complete:

Comments:

3. **Additional Exposure Pathways:** *(Although there are no definitive questions provided in this section, these exposure pathways should also be considered at each site. Use the guidelines provided below to determine if further evaluation of each pathway is warranted.)*

Dermal Exposure to Contaminants in Groundwater and Surface Water

Dermal exposure to contaminants in groundwater and surface water may be a complete pathway if:

- Climate permits recreational use of waters for swimming.
- Climate permits exposure to groundwater during activities, such as construction.
- Groundwater or surface water is used for household purposes, such as bathing or cleaning.

Generally, DEC groundwater cleanup levels in 18 AAC 75, Table C, are assumed to be protective of this pathway.

Check the box if further evaluation of this pathway is needed: ☒

Comments:

Inhalation of Volatile Compounds in Tap Water

Inhalation of volatile compounds in tap water may be a complete pathway if:

- The contaminated water is used for indoor household purposes such as showering, laundering, and dish washing.
- The contaminants of concern are volatile (common volatile contaminants are listed in Appendix D in the guidance document.)

Generally, DEC groundwater cleanup levels in 18 AAC 75, Table C, are assumed to be protective of this pathway.

Check the box if further evaluation of this pathway is needed: ☐

Comments:

Inhalation of Fugitive Dust

Inhalation of fugitive dust may be a complete pathway if:

- Nonvolatile compounds are found in the top 2 centimeters of soil. The top 2 centimeters of soil are likely to be dispersed in the wind as dust particles.
- Dust particles are less than 10 micrometers (Particulate Matter - PM_{10}). Particles of this size are called respirable particles and can reach the pulmonary parts of the lungs when inhaled.
- Chromium is present in soil that can be dispersed as dust particles of any size.

Generally, DEC direct contact soil cleanup levels in Table B1 of 18 AAC 75 are protective of this pathway because it is assumed most dust particles are incidentally ingested instead of inhaled to the lower lungs. The inhalation pathway only needs to be evaluated when very small dust particles are present (e.g., along a dirt roadway or where dusts are a nuisance). This is not true in the case of chromium. Site specific cleanup levels will need to be calculated in the event that inhalation of dust containing chromium is a complete pathway at a site.

Check the box if further evaluation of this pathway is needed: ☐

Comments:

Direct Contact with Sediment

This pathway involves people's hands being exposed to sediment, such as during some recreational, subsistence, or industrial activity. People then incidentally ingest sediment from normal hand-to-mouth activities. In addition, dermal absorption of contaminants may be of concern if the the contaminants are able to permeate the skin (see Appendix B in the guidance document). This type of exposure should be investigated if:

- Climate permits recreational activities around sediment.
- The community has identified subsistence or recreational activities that would result in exposure to the sediment, such as clam digging.

Generally, DEC direct contact soil cleanup levels in 18 AAC 75, Table B1, are assumed to be protective of direct contact with sediment.

Check the box if further evaluation of this pathway is needed: ☐

Comments:

4. Other Comments *(Provide other comments as necessary to support the information provided in this form.)*

APPENDIX A

BIOACCUMULATIVE COMPOUNDS OF POTENTIAL CONCERN

Organic compounds are identified as bioaccumulative if they have a BCF equal to or greater than 1,000 or a log K_{ow} greater than 3.5. Inorganic compounds are identified as bioaccumulative if they are listed as such by EPA (2000). Those compounds in Table B-1 of 18 AAC 75.341 that are bioaccumulative, based on the definition above, are listed below.

Aldrin	DDT	Lead
Arsenic	Dibenzo(a,h)anthracene	Mercury
Benzo(a)anthracene	Dieldrin	Methoxychlor
Benzo(a)pyrene	Dioxin	Nickel
Benzo(b)fluoranthene	Endrin	PCBs
Benzo(k)fluoranthene	Fluoranthene	
Cadmium	Heptachlor	Pyrene
Chlordane	Heptachlor epoxide	Selenium
Chrysene	Hexachlorobenzene	Silver
Copper	Hexachlorocyclopentadiene	Toxaphene
DDD	Indeno(1,2,3-c,d)pyrene	Zinc
DDE		

Because BCF values can relatively easily be measured or estimated, the BCF is frequently used to determine the potential for a chemical to bioaccumulate. A compound with a BCF greather than 1,000 is considered to bioaccumulate in tissue (EPA 2004b).

For inorganic compounds, the BCF approach has not been shown to be effective in estimating the compound's ability to bioaccumulate. Information available, either through scientific literature or site-specific data, regarding the bioaccumulative potential of an inorganic site contaminant should be used to determine if the pathway is complete.

The list was developed by including organic compounds that either have a BCF equal to or greater than 1,000 or a log K_{ow} greater than 3.5 and inorganic compounds that are listed by the United States Environmental Protection Agency (EPA) as being bioaccumulative (EPA 2000).

The list was developed by including organic compounds that either have a BCF equal to or greater than 1,000 or a log K_{ow} greater than 3.5 and inorganic compounds that are listed by the United States Environmental Protection Agency (EPA) as being bioaccumulative (EPA 2000). The BCF can also be estimated from a chemical's physical and chemical properties. A chemical's octanol-water partitioning coefficient (K_{ow}) along with defined regression equations can be used to estimate the BCF. EPA's Persistent, Bioaccumulative, and Toxic (PBT) Profiler (EPA 2004) can be used to estimate the BCF using the K_{ow} and linear regressions presented by Meylan et al. (1996). The PBT Profiler is located at http://www.pbtprofiler.net/. For compounds not found in the PBT Profiler, DEC recommends using a log K_{ow} greater than 3.5 to determine if a compound is bioaccumulative.

APPENDIX B

VOLATILE COMPOUNDS OF POTENTIAL CONCERN

A chemical is identified here as sufficiently volatile and toxic for further evaluation if the Henry's Law constant is 1 x 10^{-5} atm-m^3/mol or greater, the molecular weight is less than 200 g/mole (EPA 2004a), and the vapor concentration of the pure component posed an incremental lifetime cancer risk greater than 10^{-6} or a non-cancer hazard quotient of 0.1, or other available scientific data indicates the chemical should be considered a volatile. Chemicals that are solid at typical soil temperatures and do not sublime are generally not considered volatile.

Acetone	Mercury (elemental)
Benzene	Methyl bromide (Bromomethane)
Bis(2-chloroethyl)ether	Methyl chloride (Chloromethane)
Bromodichloromethane	Methyl ethyl ketone (MEK)
Bromoform	Methyl isobutyl ketone (MIBK)
n-Butylbenzene	Methylene bromide
sec-Butylbenzene	Methylene chloride
tert-Buytlbenzene	**1-Methylnaphthalene**
Carbon disulfide	**2-Methylnaphthalene**
Carbon tetrachloride	Methyl *tert*-butyl ether (MTBE)
Chlorobenzene	**Naphthalene**
Chlorodibromomethane (Dibromochloromethane)	Nitrobenzene
Chloroethane	n-Nitrosodimethylamine
Chloroform	**n-Propylbenzene**
2-Chlorophenol	**Styrene**
1,2-Dichlorobenzene	1,1,2,2-Tetrachlorethane
1,3-Dichlorobenzene	Tetrachloroethylene (PCE)
1,4-Dichlorobenzene	**Toluene**

Dichlorodifluoromethane	1,2,4-Trichlorobenzene
1,1-Dichloroethane	1,1,1-Trichloroethane
1,2-Dichloroethane	1,1,2-Trichloroethane
1,1-Dichloroethylene	Trichloroethane
cis-1,2-Dichloroethylene	2,4,6-Trichlorophenol
trans-1,2-Dichloroethylene	1,2,3-Trichloropropane
1,2-Dichloropropane	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)
1,3-Dichloropropane	Trichlorofluoromethane (Freon-11)
Ethylbenzene	**1,2,4-Trimethylbenzene**
Ethylene dibromide (1,2-Dibromoethane)	**1,3,5-Trimethylbenzene**
Hexachlorobenzene	Vinyl acetate
Hexachloro-1,3-butadiene	Vinyl chloride (Chloroethene)
Hexachlorocyclopentadiene	**Xylenes (total)**
Hexachloroethane	GRO (see note 3 below)
Hydrazine	DRO (see note 3 below)
Isopropylbenzene (Cumene)	RRO (see note 3 below)

Notes:

1. Bolded chemicals should be investigated as volatile compounds when petroleum is present. If fuel containing additives (e.g., 1,2-dichloroethane, ethylene dibromide, methyl *tert*-butyl ether) were spilled, these chemicals should also be investigated.
2. If a chemical is not on this list, and not in Tables B of 18 AAC 75.345, the chemical has not been evaluated for volatility. Contact the ADEC risk assessor to determine if the chemical is volatile.
3. At this time, ADEC does not require evaluation of petroleum ranges GRO, DRO, or RRO for the indoor air inhalation (vapor intrusion) pathway.

SGS North America Inc.
Alaska Division
Level II Laboratory Data Report

Project:	CMI 10-1088
Client:	Nortech
SGS Work Order:	1106758

Released by: Stephen C. Ede

Alaska Division Technical Director

Stephen Ede
2010.10.11
10:36:16 -08'00'

Contents (Bookmarked in PDF):

Case Narrative

Client	NORTECH	Nortech	**Printed Date/Time**	10/8/2010	9:55
Workorder	1106758	CMI 10-1088			

Sample ID **Client Sample ID**

Refer to the sample receipt form for information on sample condition.

1106758001 **PS** **MW-1**

AK101 - BFB (surrogate) recovery does not meet QC criteria (biased high) due to matrix interference.

1106758004 **PS** **MW-4**

AK101 - BFB (surrogate) recovery does not meet QC criteria (biased high) due to matrix interference.

993933 ***LCS** **LCS for HBN 862080 [VXX/21418]**

8260B - LCS recovery for dichlorodifluoromethane and chloromethane does not meet QC criteria (biased high). These analytes were not detected above the LOQ in the associated samples.

993934 ***LCSD** **LCSD for HBN 862080 [VXX/21418**

8260B - LCSD recovery for chloromethane does not meet QC criteria (biased high). This analyte was not detected above the LOQ in the associated samples.

993936 ***CCV** **CCV for HBN 862081 [VMS/11647]**

8260B - CCV recovery for multiple analytes does not meet QC criteria (biased high). These analytes were not detected above the LOQ in the assoicated samples.

994951 ***MS** **1106753001B(994950MS)**

8260B - MS recovery for several analytes does not meet QC criteria. Refer to LCS for accuracy.

994952 ***MSD** **1106753001B(994950MSD)**

8260B - MS/MSD RPD for several analytes does not meet laboratory QC criteria. These analytes were not detected above the LOQ in the associated samples.

994963 ***CCV** **CCV for HBN 876981 [VMS/11659]**

8260B - ICV recovery for several analytes does not meet QC criteria (biased high). These analytes were not detected above the LOQ in the associated samples.
8260B - CCV recovery for bromomethane does not meet QC criteria (biased high). This analyte was not detected above the LOQ in the associated samples.

994977 ***MSD** **MW-5(1105187003MSD)**

6020 - Metals - MSD recovery for calcium is outside of acceptance criteria. Post-digestion spike was successful.

* QC comments may be associated with the field samples found in this report. When applicable, comments will be applied to associated field samples.

Laboratory Analysis Report

Doug Dusek
Nortech
2400 College Rd.
Fairbanks, AK 99709

Work Order:	1106758
	CMI 10-1088
Client:	Nortech
Report Date:	October 08, 2010

Enclosed are the analytical results associated with the above work order. All results are intended to be used in their entirety and SGS is not responsible for use of less than the complete report. If you have any questions regarding this report, or if we can be of any other assistance, please contact your SGS Project Manager at 907-562-2343. All work is provided under SGS general terms and conditions (<http://www.sgs.com/terms_and_conditions.htm>), unless other written agreements have been accepted by both parties.

SGS maintains a formal Quality Assurance/Quality Control (QA/QC) program. A copy of our Quality Assurance Plan (QAP), which outlines this program, is available at your request. The laboratory certification numbers are AK00971 (DW Chemistry & Microbiology) & UST-005 (CS) for ADEC and AK100001 for NELAP (RCRA methods: 1020A, 1311, 3010A, 3050B, 3520C, 3550C, 5030B, 5035B, 6010B, 6020, 7470A, 7471B, 8021B, 8081B, 8082A, 8260B, 8270D, 8270D-SIM, 9040B, 9045C, 9056A, 9060A, AK101 and AK102/103). Except as specifically noted, all statements and data in this report are in conformance to the provisions set forth by the SGS QAP and, when applicable, the National Environmental Laboratory Accreditation Program and other regulatory authorities. The following descriptors or qualifiers may be found in your report:

*	The analyte has exceeded allowable regulatory or control limits.
!	Surrogate out of control limits.
B	Indicates the analyte is found in a blank associated with the sample.
CCV	Continuing Calibration Verification
CL	Control Limit
D	The analyte concentration is the result of a dilution.
DF	Dilution Factor
DL	Detection Limit (i.e., maximum method detection limit)
E	The analyte result is above the calibrated range.
F	Indicates value that is greater than or equal to the DL
GT	Greater Than
ICV	Initial Calibration Verification
J	The quantitation is an estimation.
JL	The analyte was positively identified, but the quantitation is a low estimation.
LCS(D)	Laboratory Control Spike (Duplicate)
LOD	Limit of Detection (i.e., 2xDL)
LOQ	Limit of Quantitation (i.e., reporting or practical quantitation limit)
LT	Less Than
M	A matrix effect was present.
MB	Method Blank
MS(D)	Matrix Spike (Duplicate)
ND	Indicates the analyte is not detected.
Q	QC parameter out of acceptance range.
R	Rejected
RPD	Relative Percent Difference
U	Indicates the analyte was analyzed for but not detected.

Note: Sample summaries which include a result for "Total Solids" have already been adjusted for moisture content.
All DRO/RRO analyses are integrated per SOP.

Detectable Results Summary

Print Date: 10/8/2010 9:55 am

Client Sample ID: **MW-1**

SGS Ref. #: 1106758001

Parameter	Result	Units
Volatile Fuels Department		
Gasoline Range Organics	0.280	mg/L
Benzene	8.11	ug/L
Ethylbenzene	24.2	ug/L
P & M -Xylene	10.3	ug/L
Volatile Gas Chromatography/Mass Spectroscopy		
Benzene	7.60	ug/L
Ethylbenzene	16.8	ug/L
n-Butylbenzene	3.46	ug/L
1,3,5-Trimethylbenzene	30.7	ug/L
4-Isopropyltoluene	12.0	ug/L
n-Propylbenzene	38.5	ug/L
sec-Butylbenzene	8.41	ug/L
P & M -Xylene	5.94	ug/L
Naphthalene	7.90	ug/L
o-Xylene	1.01	ug/L
Xylenes (total)	6.95	ug/L
1,2,4-Trimethylbenzene	7.06	ug/L
tert-Butylbenzene	1.59	ug/L
Isopropylbenzene (Cumene)	35.9	ug/L

Client Sample ID: **MW-4**

SGS Ref. #: 1106758004

Parameter	Result	Units
Volatile Fuels Department		
Gasoline Range Organics	0.284	mg/L
Benzene	8.08	ug/L
Ethylbenzene	24.3	ug/L
P & M -Xylene	10.4	ug/L

Client Sample ID: **SP2-3**

SGS Ref. #: 1106758007

Parameter	Result	Units
Metals by ICP/MS		
Lead	6.57	mg/Kg

SGS Ref.#	1106758001		
Client Name	Nortech	**Printed Date/Time**	10/08/2010 9:55
Project Name/#	CMI 10-1088	**Collected Date/Time**	09/24/2010 13:30
Client Sample ID	MW-1	**Received Date/Time**	09/25/2010 12:00
Matrix	Water (Surface, Eff., Ground)	**Technical Director**	**Stephen C. Ede**

Sample Remarks:

AK101 - BFB (surrogate) recovery does not meet QC criteria (biased high) due to matrix interference.

Parameter	Results		LOQ	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
Metals by ICP/MS										
Lead	ND		1.00	ug/L	SW6020	G		10/04/10	10/07/10	NRB
Volatile Fuels Department										
Benzene	8.11		0.500	ug/L	SW8021B	B		09/30/10	09/30/10	EAB
Ethylbenzene	24.2		2.00	ug/L	SW8021B	B		09/30/10	09/30/10	EAB
Gasoline Range Organics	0.280		0.100	mg/L	AK101	B		09/30/10	09/30/10	EAB
o-Xylene	ND		2.00	ug/L	SW8021B	B		09/30/10	09/30/10	EAB
P & M -Xylene	10.3		2.00	ug/L	SW8021B	B		09/30/10	09/30/10	EAB
Toluene	ND		2.00	ug/L	SW8021B	B		09/30/10	09/30/10	EAB
Surrogates										
1,4-Difluorobenzene <surr>	104			%	SW8021B	B	80-120	09/30/10	09/30/10	EAB
4-Bromofluorobenzene <surr>	242	!		%	AK101	B	50-150	09/30/10	09/30/10	EAB
Volatile Gas Chromatography/Mass Spectroscopy										
1,1,1,2-Tetrachloroethane	ND		0.500	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
1,1,1-Trichloroethane	ND		1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
1,1,2-Trichloroethane	ND		1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
1,1-Dichloroethane	ND		1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
1,1-Dichloroethene	ND		1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
1,1-Dichloropropene	ND		1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
1,2,3-Trichlorobenzene	ND		1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
1,2,3-Trichloropropane	ND		1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
1,2,4-Trichlorobenzene	ND		1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
1,2,4-Trimethylbenzene	7.06		1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI

SGS Ref.#	1106758001		
Client Name	Nortech	**Printed Date/Time**	10/08/2010 9:55
Project Name/#	CMI 10-1088	**Collected Date/Time**	09/24/2010 13:30
Client Sample ID	MW-1	**Received Date/Time**	09/25/2010 12:00
Matrix	Water (Surface, Eff., Ground)	**Technical Director**	**Stephen C. Ede**

Parameter	Results	LOQ	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
Volatile Gas Chromatography/Mass Spectroscopy									
1,2-Dibromo-3-chloropropane	ND	2.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
1,2-Dibromoethane	ND	1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
1,2-Dichlorobenzene	ND	1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
1,2-Dichloroethane	ND	0.500	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
1,2-Dichloropropane	ND	1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
1,3,5-Trimethylbenzene	30.7	1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
1,3-Dichlorobenzene	ND	1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
1,3-Dichloropropane	ND	0.400	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
1,4-Dichlorobenzene	ND	0.500	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
2,2-Dichloropropane	ND	1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
2-Butanone (MEK)	ND	10.0	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
2-Chlorotoluene	ND	1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
2-Hexanone	ND	10.0	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
4-Chlorotoluene	ND	1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
4-Isopropyltoluene	12.0	1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
4-Methyl-2-pentanone (MIBK)	ND	10.0	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
Benzene	7.60	0.400	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
Bromobenzene	ND	1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
Bromochloromethane	ND	1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
Bromodichloromethane	ND	0.500	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
Bromoform	ND	1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
Bromomethane	ND	3.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
Carbon disulfide	ND	2.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
Carbon tetrachloride	ND	1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
Chlorobenzene	ND	0.500	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
Chloroethane	ND	1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
Chloroform	ND	1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
Chloromethane	ND	1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
cis-1,2-Dichloroethene	ND	1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
cis-1,3-Dichloropropene	ND	0.500	ug/L	SW8260B	A		09/29/10	09/30/10	JPI

SGS Ref.#	1106758001		
Client Name	Nortech	**Printed Date/Time**	10/08/2010 9:55
Project Name/#	CMI 10-1088	**Collected Date/Time**	09/24/2010 13:30
Client Sample ID	MW-1	**Received Date/Time**	09/25/2010 12:00
Matrix	Water (Surface, Eff., Ground)	**Technical Director**	**Stephen C. Ede**

Parameter	Results	LOQ	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
Volatile Gas Chromatography/Mass Spectroscopy									
Dibromochloromethane	ND	0.500	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
Dibromomethane	ND	1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
Dichlorodifluoromethane	ND	1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
Ethylbenzene	16.8	1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
Hexachlorobutadiene	ND	1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
Isopropylbenzene (Cumene)	35.9	1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
Methylene chloride	ND	5.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
Methyl-t-butyl ether	ND	5.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
Naphthalene	7.90	2.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
n-Butylbenzene	3.46	1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
n-Propylbenzene	38.5	1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
o-Xylene	1.01	1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
P & M -Xylene	5.94	2.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
sec-Butylbenzene	8.41	1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
Styrene	ND	1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
tert-Butylbenzene	1.59	1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
Tetrachloroethene	ND	1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
Toluene	ND	1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
trans-1,2-Dichloroethene	ND	1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
trans-1,3-Dichloropropene	ND	1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
Trichloroethene	ND	1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
Trichlorofluoromethane	ND	1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
Vinyl chloride	ND	1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
Xylenes (total)	6.95	3.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
Surrogates									
1,2-Dichloroethane-D4 <surr>	107		%	SW8260B	A	73-120	09/29/10	09/30/10	JPI
4-Bromofluorobenzene <surr>	98.1		%	SW8260B	A	76-120	09/29/10	09/30/10	JPI
Toluene-d8 <surr>	97.4		%	SW8260B	A	80-120	09/29/10	09/30/10	JPI

SGS Ref.#	1106758002
Client Name	Nortech
Project Name/#	CMI 10-1088
Client Sample ID	MW-2
Matrix	Water (Surface, Eff., Ground)

Printed Date/Time	10/08/2010 9:55
Collected Date/Time	09/24/2010 13:40
Received Date/Time	09/25/2010 12:00
Technical Director	**Stephen C. Ede**

Sample Remarks:

Parameter	Results	LOQ	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
Volatile Fuels Department									
Benzene	ND	0.500	ug/L	SW8021B	B		09/30/10	09/30/10	EAB
Ethylbenzene	ND	2.00	ug/L	SW8021B	B		09/30/10	09/30/10	EAB
Gasoline Range Organics	ND	0.100	mg/L	AK101	B		09/30/10	09/30/10	EAB
o-Xylene	ND	2.00	ug/L	SW8021B	B		09/30/10	09/30/10	EAB
P & M -Xylene	ND	2.00	ug/L	SW8021B	B		09/30/10	09/30/10	EAB
Toluene	ND	2.00	ug/L	SW8021B	B		09/30/10	09/30/10	EAB
Surrogates									
1,4-Difluorobenzene <surr>	94.7		%	SW8021B	B	80-120	09/30/10	09/30/10	EAB
4-Bromofluorobenzene <surr>	90.8		%	AK101	B	50-150	09/30/10	09/30/10	EAB

SGS Ref.#	1106758003
Client Name	Nortech
Project Name/#	CMI 10-1088
Client Sample ID	MW-3
Matrix	Water (Surface, Eff., Ground)

Printed Date/Time	10/08/2010 9:55
Collected Date/Time	09/24/2010 13:45
Received Date/Time	09/25/2010 12:00
Technical Director	**Stephen C. Ede**

Sample Remarks:

Parameter	Results	LOQ	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
Volatile Fuels Department									
Benzene	ND	0.500	ug/L	SW8021B	A		09/30/10	09/30/10	EAB
Ethylbenzene	ND	2.00	ug/L	SW8021B	A		09/30/10	09/30/10	EAB
Gasoline Range Organics	ND	0.100	mg/L	AK101	A		09/30/10	09/30/10	EAB
o-Xylene	ND	2.00	ug/L	SW8021B	A		09/30/10	09/30/10	EAB
P & M -Xylene	ND	2.00	ug/L	SW8021B	A		09/30/10	09/30/10	EAB
Toluene	ND	2.00	ug/L	SW8021B	A		09/30/10	09/30/10	EAB
Surrogates									
1,4-Difluorobenzene <surr>	94.6		%	SW8021B	A	80-120	09/30/10	09/30/10	EAB
4-Bromofluorobenzene <surr>	88.3		%	AK101	A	50-150	09/30/10	09/30/10	EAB

SGS Ref.#	1106758004		
Client Name	Nortech	**Printed Date/Time**	10/08/2010 9:55
Project Name/#	CMI 10-1088	**Collected Date/Time**	09/24/2010 13:20
Client Sample ID	MW-4	**Received Date/Time**	09/25/2010 12:00
Matrix	Water (Surface, Eff., Ground)	**Technical Director**	**Stephen C. Ede**

Sample Remarks:

AK101 - BFB (surrogate) recovery does not meet QC criteria (biased high) due to matrix interference.

Parameter	Results		LOQ	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
Volatile Fuels Department										
Benzene	8.08		0.500	ug/L	SW8021B	A		09/30/10	09/30/10	EAB
Ethylbenzene	24.3		2.00	ug/L	SW8021B	A		09/30/10	09/30/10	EAB
Gasoline Range Organics	0.284		0.100	mg/L	AK101	A		09/30/10	09/30/10	EAB
o-Xylene	ND		2.00	ug/L	SW8021B	A		09/30/10	09/30/10	EAB
P & M -Xylene	10.4		2.00	ug/L	SW8021B	A		09/30/10	09/30/10	EAB
Toluene	ND		2.00	ug/L	SW8021B	A		09/30/10	09/30/10	EAB
Surrogates										
1,4-Difluorobenzene <surr>	104			%	SW8021B	A	80-120	09/30/10	09/30/10	EAB
4-Bromofluorobenzene <surr>	247	!		%	AK101	A	50-150	09/30/10	09/30/10	EAB

SGS Ref.#	1106758005
Client Name	Nortech
Project Name/#	CMI 10-1088
Client Sample ID	Trip Blank
Matrix	Water (Surface, Eff., Ground)

Printed Date/Time	10/08/2010 9:55
Collected Date/Time	09/24/2010 13:20
Received Date/Time	09/25/2010 12:00
Technical Director	**Stephen C. Ede**

Sample Remarks:

Parameter	Results	LOQ	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
Volatile Fuels Department									
Benzene	ND	0.500	ug/L	SW8021B	A		09/30/10	09/30/10	EAB
Ethylbenzene	ND	2.00	ug/L	SW8021B	A		09/30/10	09/30/10	EAB
Gasoline Range Organics	ND	0.100	mg/L	AK101	A		09/30/10	09/30/10	EAB
o-Xylene	ND	2.00	ug/L	SW8021B	A		09/30/10	09/30/10	EAB
P & M -Xylene	ND	2.00	ug/L	SW8021B	A		09/30/10	09/30/10	EAB
Toluene	ND	2.00	ug/L	SW8021B	A		09/30/10	09/30/10	EAB
Surrogates									
1,4-Difluorobenzene <surr>	93.6		%	SW8021B	A	80-120	09/30/10	09/30/10	EAB
4-Bromofluorobenzene <surr>	90.5		%	AK101	A	50-150	09/30/10	09/30/10	EAB

SGS Ref.#	1106758006		
Client Name	Nortech	**Printed Date/Time**	10/08/2010 9:55
Project Name/#	CMI 10-1088	**Collected Date/Time**	09/24/2010 13:30
Client Sample ID	SP1-1	**Received Date/Time**	09/25/2010 12:00
Matrix	Soil/Solid (dry weight)	**Technical Director**	**Stephen C. Ede**

Sample Remarks:

Parameter	Results	LOQ	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
Volatile Gas Chromatography/Mass Spectroscopy									
1,1,1,2-Tetrachloroethane	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
1,1,1-Trichloroethane	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
1,1,2,2-Tetrachloroethane	ND	47.5	ug/Kg	SW8260B	A			10/05/10	DSH
1,1,2-Trichloroethane	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
1,1-Dichloroethane	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
1,1-Dichloroethene	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
1,1-Dichloropropene	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
1,2,3-Trichlorobenzene	ND	47.5	ug/Kg	SW8260B	A			10/05/10	DSH
1,2,3-Trichloropropane	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
1,2,4-Trichlorobenzene	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
1,2,4-Trimethylbenzene	ND	47.5	ug/Kg	SW8260B	A			10/06/10	SCL
1,2-Dibromo-3-chloropropane	ND	95.0	ug/Kg	SW8260B	A			10/05/10	DSH
1,2-Dibromoethane	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
1,2-Dichlorobenzene	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
1,2-Dichloroethane	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
1,2-Dichloropropane	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
1,3,5-Trimethylbenzene	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
1,3-Dichlorobenzene	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
1,3-Dichloropropane	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
1,4-Dichlorobenzene	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
2,2-Dichloropropane	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
2-Butanone (MEK)	ND	238	ug/Kg	SW8260B	A			10/05/10	DSH
2-Chlorotoluene	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
2-Hexanone	ND	238	ug/Kg	SW8260B	A			10/05/10	DSH
4-Chlorotoluene	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
4-Isopropyltoluene	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
4-Methyl-2-pentanone (MIBK)	ND	238	ug/Kg	SW8260B	A			10/05/10	DSH
Benzene	ND	11.9	ug/Kg	SW8260B	A			10/05/10	DSH

SGS Ref.#	1106758006		
Client Name	Nortech	**Printed Date/Time**	10/08/2010 9:55
Project Name/#	CMI 10-1088	**Collected Date/Time**	09/24/2010 13:30
Client Sample ID	SP1-1	**Received Date/Time**	09/25/2010 12:00
Matrix	Soil/Solid (dry weight)	**Technical Director**	**Stephen C. Ede**

Parameter	Results	LOQ	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
Volatile Gas Chromatography/Mass Spectroscopy									
Bromobenzene	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
Bromochloromethane	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
Bromodichloromethane	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
Bromoform	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
Bromomethane	ND	190	ug/Kg	SW8260B	A			10/05/10	DSH
Carbon disulfide	ND	95.0	ug/Kg	SW8260B	A			10/05/10	DSH
Carbon tetrachloride	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
Chlorobenzene	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
Chloroethane	ND	190	ug/Kg	SW8260B	A			10/05/10	DSH
Chloroform	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
Chloromethane	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
cis-1,2-Dichloroethene	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
cis-1,3-Dichloropropene	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
Dibromochloromethane	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
Dibromomethane	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
Dichlorodifluoromethane	ND	47.5	ug/Kg	SW8260B	A			10/05/10	DSH
Ethylbenzene	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
Hexachlorobutadiene	ND	47.5	ug/Kg	SW8260B	A			10/05/10	DSH
Isopropylbenzene (Cumene)	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
Methylene chloride	ND	95.0	ug/Kg	SW8260B	A			10/05/10	DSH
Methyl-t-butyl ether	ND	95.0	ug/Kg	SW8260B	A			10/05/10	DSH
Naphthalene	ND	47.5	ug/Kg	SW8260B	A			10/06/10	SCL
n-Butylbenzene	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
n-Propylbenzene	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
o-Xylene	ND	47.5	ug/Kg	SW8260B	A			10/05/10	DSH
P & M -Xylene	ND	47.5	ug/Kg	SW8260B	A			10/05/10	DSH
sec-Butylbenzene	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
Styrene	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
tert-Butylbenzene	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
Tetrachloroethene	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH

SGS Ref.#	1106758006		
Client Name	Nortech	**Printed Date/Time**	10/08/2010 9:55
Project Name/#	CMI 10-1088	**Collected Date/Time**	09/24/2010 13:30
Client Sample ID	SP1-1	**Received Date/Time**	09/25/2010 12:00
Matrix	Soil/Solid (dry weight)	**Technical Director**	**Stephen C. Ede**

Parameter	Results	LOQ	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
Volatile Gas Chromatography/Mass Spectroscopy									
Toluene	ND	47.5	ug/Kg	SW8260B	A			10/05/10	DSH
trans-1,2-Dichloroethene	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
trans-1,3-Dichloropropene	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
Trichloroethene	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
Trichlorofluoromethane	ND	47.5	ug/Kg	SW8260B	A			10/05/10	DSH
Vinyl chloride	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
Xylenes (total)	ND	95.0	ug/Kg	SW8260B	A			10/05/10	DSH
Surrogates									
1,2-Dichloroethane-D4 <surr>	102		%	SW8260B	A	69-132		10/05/10	DSH
4-Bromofluorobenzene <surr>	85.6		%	SW8260B	A	65-144		10/05/10	DSH
Toluene-d8 <surr>	97.5		%	SW8260B	A	84-124		10/05/10	DSH
Solids									
Total Solids	92.7		%	SM20 2540G	B			10/01/10	SHA

SGS Ref.#	1106758007		
Client Name	Nortech	**Printed Date/Time**	10/08/2010 9:55
Project Name/#	CMI 10-1088	**Collected Date/Time**	09/24/2010 14:00
Client Sample ID	SP2-3	**Received Date/Time**	09/25/2010 12:00
Matrix	Soil/Solid (dry weight)	**Technical Director**	**Stephen C. Ede**

Sample Remarks:

Parameter	Results	LOQ	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
Metals by ICP/MS									
Lead	6.57	0.210	mg/Kg	SW6020	A		09/28/10	09/29/10	KDC
Volatile Fuels Department									
Benzene	ND	13.9	ug/Kg	SW8021B	B			10/01/10	EAB
Ethylbenzene	ND	55.7	ug/Kg	SW8021B	B			10/01/10	EAB
Gasoline Range Organics	ND	2.79	mg/Kg	AK101	B			10/01/10	EAB
o-Xylene	ND	55.7	ug/Kg	SW8021B	B			10/01/10	EAB
P & M -Xylene	ND	55.7	ug/Kg	SW8021B	B			10/01/10	EAB
Toluene	ND	55.7	ug/Kg	SW8021B	B			10/01/10	EAB
Surrogates									
1,4-Difluorobenzene <surr>	94.1		%	SW8021B	B	80-120		10/01/10	EAB
4-Bromofluorobenzene <surr>	94.6		%	AK101	B	50-150		10/01/10	EAB
Volatile Gas Chromatography/Mass Spectroscopy									
1,1,1,2-Tetrachloroethane	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
1,1,1-Trichloroethane	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
1,1,2,2-Tetrachloroethane	ND	55.7	ug/Kg	SW8260B	B			10/06/10	SCL
1,1,2-Trichloroethane	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
1,1-Dichloroethane	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
1,1-Dichloroethene	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
1,1-Dichloropropene	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
1,2,3-Trichlorobenzene	ND	55.7	ug/Kg	SW8260B	B			10/06/10	SCL
1,2,3-Trichloropropane	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
1,2,4-Trichlorobenzene	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
1,2,4-Trimethylbenzene	ND	55.7	ug/Kg	SW8260B	B			10/06/10	SCL

SGS Ref.#	1106758007		
Client Name	Nortech	**Printed Date/Time**	10/08/2010 9:55
Project Name/#	CMI 10-1088	**Collected Date/Time**	09/24/2010 14:00
Client Sample ID	SP2-3	**Received Date/Time**	09/25/2010 12:00
Matrix	Soil/Solid (dry weight)	**Technical Director**	**Stephen C. Ede**

Parameter	Results	LOQ	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
Volatile Gas Chromatography/Mass Spectroscopy									
1,2-Dibromo-3-chloropropane	ND	111	ug/Kg	SW8260B	B			10/06/10	SCL
1,2-Dibromoethane	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
1,2-Dichlorobenzene	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
1,2-Dichloroethane	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
1,2-Dichloropropane	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
1,3,5-Trimethylbenzene	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
1,3-Dichlorobenzene	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
1,3-Dichloropropane	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
1,4-Dichlorobenzene	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
2,2-Dichloropropane	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
2-Butanone (MEK)	ND	279	ug/Kg	SW8260B	B			10/06/10	SCL
2-Chlorotoluene	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
2-Hexanone	ND	279	ug/Kg	SW8260B	B			10/06/10	SCL
4-Chlorotoluene	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
4-Isopropyltoluene	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
4-Methyl-2-pentanone (MIBK)	ND	279	ug/Kg	SW8260B	B			10/06/10	SCL
Benzene	ND	13.9	ug/Kg	SW8260B	B			10/06/10	SCL
Bromobenzene	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
Bromochloromethane	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
Bromodichloromethane	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
Bromoform	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
Bromomethane	ND	223	ug/Kg	SW8260B	B			10/06/10	SCL
Carbon disulfide	ND	111	ug/Kg	SW8260B	B			10/06/10	SCL
Carbon tetrachloride	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
Chlorobenzene	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
Chloroethane	ND	223	ug/Kg	SW8260B	B			10/06/10	SCL
Chloroform	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
Chloromethane	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
cis-1,2-Dichloroethene	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
cis-1,3-Dichloropropene	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL

SGS Ref.#	1106758007		
Client Name	Nortech	**Printed Date/Time**	10/08/2010 9:55
Project Name/#	CMI 10-1088	**Collected Date/Time**	09/24/2010 14:00
Client Sample ID	SP2-3	**Received Date/Time**	09/25/2010 12:00
Matrix	Soil/Solid (dry weight)	**Technical Director**	**Stephen C. Ede**

Parameter	Results	LOQ	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
Volatile Gas Chromatography/Mass Spectroscopy									
Dibromochloromethane	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
Dibromomethane	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
Dichlorodifluoromethane	ND	55.7	ug/Kg	SW8260B	B			10/06/10	SCL
Ethylbenzene	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
Hexachlorobutadiene	ND	55.7	ug/Kg	SW8260B	B			10/06/10	SCL
Isopropylbenzene (Cumene)	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
Methylene chloride	ND	111	ug/Kg	SW8260B	B			10/06/10	SCL
Methyl-t-butyl ether	ND	111	ug/Kg	SW8260B	B			10/06/10	SCL
Naphthalene	ND	55.7	ug/Kg	SW8260B	B			10/06/10	SCL
n-Butylbenzene	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
n-Propylbenzene	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
o-Xylene	ND	55.7	ug/Kg	SW8260B	B			10/06/10	SCL
P & M -Xylene	ND	55.7	ug/Kg	SW8260B	B			10/06/10	SCL
sec-Butylbenzene	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
Styrene	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
tert-Butylbenzene	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
Tetrachloroethene	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
Toluene	ND	55.7	ug/Kg	SW8260B	B			10/06/10	SCL
trans-1,2-Dichloroethene	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
trans-1,3-Dichloropropene	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
Trichloroethene	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
Trichlorofluoromethane	ND	55.7	ug/Kg	SW8260B	B			10/06/10	SCL
Vinyl chloride	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
Xylenes (total)	ND	111	ug/Kg	SW8260B	B			10/06/10	SCL
Surrogates									
1,2-Dichloroethane-D4 <surr>	116		%	SW8260B	B	69-132		10/06/10	SCL
4-Bromofluorobenzene <surr>	92.5		%	SW8260B	B	65-144		10/06/10	SCL
Toluene-d8 <surr>	109		%	SW8260B	B	84-124		10/06/10	SCL

SGS Ref.#	1106758007		
Client Name	Nortech	**Printed Date/Time**	10/08/2010 9:55
Project Name/#	CMI 10-1088	**Collected Date/Time**	09/24/2010 14:00
Client Sample ID	SP2-3	**Received Date/Time**	09/25/2010 12:00
Matrix	Soil/Solid (dry weight)	**Technical Director**	**Stephen C. Ede**

Parameter	Results	LOQ	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
Solids									
Total Solids	87.1		%	SM20 2540G	A			10/01/10	SHA

SGS Ref.#	1106758008		
Client Name	Nortech	**Printed Date/Time**	10/08/2010 9:55
Project Name/#	CMI 10-1088	**Collected Date/Time**	09/24/2010 13:15
Client Sample ID	Dup	**Received Date/Time**	09/25/2010 12:00
Matrix	Soil/Solid (dry weight)	**Technical Director**	**Stephen C. Ede**

Sample Remarks:

Parameter	Results	LOQ	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
Volatile Fuels Department									
Benzene	ND	14.3	ug/Kg	SW8021B	A			10/02/10	HM
Ethylbenzene	ND	57.3	ug/Kg	SW8021B	A			10/02/10	HM
Gasoline Range Organics	ND	2.86	mg/Kg	AK101	A			10/02/10	HM
o-Xylene	ND	57.3	ug/Kg	SW8021B	A			10/02/10	HM
P & M -Xylene	ND	57.3	ug/Kg	SW8021B	A			10/02/10	HM
Toluene	ND	57.3	ug/Kg	SW8021B	A			10/02/10	HM
Surrogates									
1,4-Difluorobenzene <surr>	95.7		%	SW8021B	A	80-120		10/02/10	HM
4-Bromofluorobenzene <surr>	90.5		%	AK101	A	50-150		10/02/10	HM
Solids									
Total Solids	87.1		%	SM20 2540G	A			10/01/10	SHA

SGS Ref.#	1106758009		
Client Name	Nortech	**Printed Date/Time**	10/08/2010 9:55
Project Name/#	CMI 10-1088	**Collected Date/Time**	09/24/2010 13:15
Client Sample ID	Trip Blank	**Received Date/Time**	09/25/2010 12:00
Matrix	Soil/Solid (dry weight)	**Technical Director**	**Stephen C. Ede**

Sample Remarks:

Parameter	Results	LOQ	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
Volatile Fuels Department									
Benzene	ND	12.6	ug/Kg	SW8021B	A			10/01/10	EAB
Ethylbenzene	ND	50.3	ug/Kg	SW8021B	A			10/01/10	EAB
Gasoline Range Organics	ND	2.51	mg/Kg	AK101	A			10/01/10	EAB
o-Xylene	ND	50.3	ug/Kg	SW8021B	A			10/01/10	EAB
P & M -Xylene	ND	50.3	ug/Kg	SW8021B	A			10/01/10	EAB
Toluene	ND	50.3	ug/Kg	SW8021B	A			10/01/10	EAB
Surrogates									
1,4-Difluorobenzene <surr>	92.6		%	SW8021B	A	80-120		10/01/10	EAB
4-Bromofluorobenzene <surr>	93.8		%	AK101	A	50-150		10/01/10	EAB
Volatile Gas Chromatography/Mass Spectroscopy									
1,1,1,2-Tetrachloroethane	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH
1,1,1-Trichloroethane	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH
1,1,2,2-Tetrachloroethane	ND	50.3	ug/Kg	SW8260B	A			10/04/10	DSH
1,1,2-Trichloroethane	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH
1,1-Dichloroethane	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH
1,1-Dichloroethene	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH
1,1-Dichloropropene	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH
1,2,3-Trichlorobenzene	ND	50.3	ug/Kg	SW8260B	A			10/04/10	DSH
1,2,3-Trichloropropane	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH
1,2,4-Trichlorobenzene	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH
1,2,4-Trimethylbenzene	ND	50.3	ug/Kg	SW8260B	A			10/04/10	DSH
1,2-Dibromo-3-chloropropane	ND	101	ug/Kg	SW8260B	A			10/04/10	DSH
1,2-Dibromoethane	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH
1,2-Dichlorobenzene	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH
1,2-Dichloroethane	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH

SGS Ref.#	1106758009		
Client Name	Nortech	**Printed Date/Time**	10/08/2010 9:55
Project Name/#	CMI 10-1088	**Collected Date/Time**	09/24/2010 13:15
Client Sample ID	Trip Blank	**Received Date/Time**	09/25/2010 12:00
Matrix	Soil/Solid (dry weight)	**Technical Director**	**Stephen C. Ede**

Parameter	Results	LOQ	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
Volatile Gas Chromatography/Mass Spectroscopy									
1,2-Dichloropropane	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH
1,3,5-Trimethylbenzene	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH
1,3-Dichlorobenzene	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH
1,3-Dichloropropane	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH
1,4-Dichlorobenzene	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH
2,2-Dichloropropane	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH
2-Butanone (MEK)	ND	251	ug/Kg	SW8260B	A			10/04/10	DSH
2-Chlorotoluene	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH
2-Hexanone	ND	251	ug/Kg	SW8260B	A			10/04/10	DSH
4-Chlorotoluene	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH
4-Isopropyltoluene	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH
4-Methyl-2-pentanone (MIBK)	ND	251	ug/Kg	SW8260B	A			10/04/10	DSH
Benzene	ND	12.6	ug/Kg	SW8260B	A			10/04/10	DSH
Bromobenzene	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH
Bromochloromethane	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH
Bromodichloromethane	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH
Bromoform	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH
Bromomethane	ND	201	ug/Kg	SW8260B	A			10/04/10	DSH
Carbon disulfide	ND	101	ug/Kg	SW8260B	A			10/04/10	DSH
Carbon tetrachloride	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH
Chlorobenzene	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH
Chloroethane	ND	201	ug/Kg	SW8260B	A			10/04/10	DSH
Chloroform	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH
Chloromethane	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH
cis-1,2-Dichloroethene	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH
cis-1,3-Dichloropropene	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH
Dibromochloromethane	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH
Dibromomethane	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH
Dichlorodifluoromethane	ND	50.3	ug/Kg	SW8260B	A			10/04/10	DSH
Ethylbenzene	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH

SGS Ref.#	1106758009
Client Name	Nortech
Project Name/#	CMI 10-1088
Client Sample ID	Trip Blank
Matrix	Soil/Solid (dry weight)

Printed Date/Time	10/08/2010 9:55
Collected Date/Time	09/24/2010 13:15
Received Date/Time	09/25/2010 12:00
Technical Director	**Stephen C. Ede**

Parameter	Results	LOQ	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
Volatile Gas Chromatography/Mass Spectroscopy									
Hexachlorobutadiene	ND	50.3	ug/Kg	SW8260B	A			10/04/10	DSH
Isopropylbenzene (Cumene)	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH
Methylene chloride	ND	101	ug/Kg	SW8260B	A			10/04/10	DSH
Methyl-t-butyl ether	ND	101	ug/Kg	SW8260B	A			10/04/10	DSH
Naphthalene	ND	50.3	ug/Kg	SW8260B	A			10/04/10	DSH
n-Butylbenzene	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH
n-Propylbenzene	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH
o-Xylene	ND	50.3	ug/Kg	SW8260B	A			10/04/10	DSH
P & M -Xylene	ND	50.3	ug/Kg	SW8260B	A			10/04/10	DSH
sec-Butylbenzene	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH
Styrene	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH
tert-Butylbenzene	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH
Tetrachloroethene	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH
Toluene	ND	50.3	ug/Kg	SW8260B	A			10/04/10	DSH
trans-1,2-Dichloroethene	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH
trans-1,3-Dichloropropene	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH
Trichloroethene	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH
Trichlorofluoromethane	ND	50.3	ug/Kg	SW8260B	A			10/04/10	DSH
Vinyl chloride	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH
Xylenes (total)	ND	101	ug/Kg	SW8260B	A			10/04/10	DSH
Surrogates									
1,2-Dichloroethane-D4 <surr>	104		%	SW8260B	A	69-132		10/04/10	DSH
4-Bromofluorobenzene <surr>	96.1		%	SW8260B	A	65-144		10/04/10	DSH
Toluene-d8 <surr>	110		%	SW8260B	A	84-124		10/04/10	DSH

SGS Ref.#	993384	Method Blank	**Printed Date/Time**	10/08/2010	9:55
Client Name	Nortech		**Prep Batch**	MXX23597	
Project Name/#	CMI 10-1088		**Method**	SW3050B	
Matrix	Soil/Solid (dry weight)		**Date**	09/28/2010	

QC results affect the following production samples:

1106758007

Parameter	Results	LOQ/CL	DL	Units	Analysis Date
Metals by ICP/MS					
Lead	ND	0.200	0.0620	mg/Kg	09/29/10
Batch	MMS6719				
Method	SW6020				
Instrument	Perkin Elmer Sciex ICP-MS P4				

SGS Ref.#	993932	Method Blank	**Printed Date/Time**	10/08/2010	9:55
Client Name	Nortech		**Prep Batch**	VXX21418	
Project Name/#	CMI 10-1088		**Method**	SW5030B	
Matrix	Water (Surface, Eff., Ground)		**Date**	09/29/2010	

QC results affect the following production samples:

1106758001

Parameter	Results	LOQ/CL	DL	Units	Analysis Date

Volatile Gas Chromatography/Mass Spectroscopy

SGS Ref.#	993932	Method Blank	**Printed Date/Time**	10/08/2010 9:55
Client Name	Nortech		**Prep Batch**	VXX21418
Project Name/#	CMI 10-1088		**Method**	SW5030B
Matrix	Water (Surface, Eff., Ground)		**Date**	09/29/2010

Volatile Gas Chromatography/Mass Spectroscopy

Parameter	Results	LOQ/CL	DL	Units	Analysis Date
1,1,1,2-Tetrachloroethane	ND	0.500	0.150	ug/L	09/29/10
1,1,1-Trichloroethane	ND	1.00	0.310	ug/L	09/29/10
1,1,2,2-Tetrachloroethane	ND	0.500	0.150	ug/L	09/29/10
1,1,2-Trichloroethane	ND	1.00	0.310	ug/L	09/29/10
1,1-Dichloroethane	ND	1.00	0.310	ug/L	09/29/10
1,1-Dichloroethene	ND	1.00	0.310	ug/L	09/29/10
1,1-Dichloropropene	ND	1.00	0.310	ug/L	09/29/10
1,2,3-Trichlorobenzene	ND	1.00	0.310	ug/L	09/29/10
1,2,3-Trichloropropane	ND	1.00	0.310	ug/L	09/29/10
1,2,4-Trichlorobenzene	ND	1.00	0.310	ug/L	09/29/10
1,2,4-Trimethylbenzene	ND	1.00	0.310	ug/L	09/29/10
1,2-Dibromo-3-chloropropane	ND	2.00	0.620	ug/L	09/29/10
1,2-Dibromoethane	ND	1.00	0.310	ug/L	09/29/10
1,2-Dichlorobenzene	ND	1.00	0.310	ug/L	09/29/10
1,2-Dichloroethane	ND	0.500	0.150	ug/L	09/29/10
1,2-Dichloropropane	ND	1.00	0.310	ug/L	09/29/10
1,3,5-Trimethylbenzene	ND	1.00	0.310	ug/L	09/29/10
1,3-Dichlorobenzene	ND	1.00	0.310	ug/L	09/29/10
1,3-Dichloropropane	ND	0.400	0.120	ug/L	09/29/10
1,4-Dichlorobenzene	ND	0.500	0.150	ug/L	09/29/10
2,2-Dichloropropane	ND	1.00	0.310	ug/L	09/29/10
2-Butanone (MEK)	ND	10.0	3.10	ug/L	09/29/10
2-Chlorotoluene	ND	1.00	0.310	ug/L	09/29/10
2-Hexanone	ND	10.0	3.10	ug/L	09/29/10
4-Chlorotoluene	ND	1.00	0.310	ug/L	09/29/10
4-Isopropyltoluene	ND	1.00	0.310	ug/L	09/29/10
4-Methyl-2-pentanone (MIBK)	ND	10.0	3.10	ug/L	09/29/10
Benzene	ND	0.400	0.120	ug/L	09/29/10
Bromobenzene	ND	1.00	0.310	ug/L	09/29/10
Bromochloromethane	ND	1.00	0.310	ug/L	09/29/10
Bromodichloromethane	ND	0.500	0.150	ug/L	09/29/10
Bromoform	ND	1.00	0.310	ug/L	09/29/10
Bromomethane	ND	3.00	0.940	ug/L	09/29/10
Carbon disulfide	ND	2.00	0.620	ug/L	09/29/10
Carbon tetrachloride	ND	1.00	0.310	ug/L	09/29/10
Chlorobenzene	ND	0.500	0.150	ug/L	09/29/10
Chloroethane	ND	1.00	0.310	ug/L	09/29/10
Chloroform	ND	1.00	0.300	ug/L	09/29/10
Chloromethane	ND	1.00	0.310	ug/L	09/29/10

SGS Ref.#	993932	Method Blank	**Printed Date/Time**	10/08/2010 9:55
Client Name	Nortech		**Prep Batch**	VXX21418
Project Name/#	CMI 10-1088		**Method**	SW5030B
Matrix	Water (Surface, Eff., Ground)		**Date**	09/29/2010

Parameter	Results	LOQ/CL	DL	Units	Analysis Date
Volatile Gas Chromatography/Mass Spectroscopy					
cis-1,2-Dichloroethene	ND	1.00	0.310	ug/L	09/29/10
cis-1,3-Dichloropropene	ND	0.500	0.150	ug/L	09/29/10
Dibromochloromethane	ND	0.500	0.150	ug/L	09/29/10
Dibromomethane	ND	1.00	0.310	ug/L	09/29/10
Dichlorodifluoromethane	ND	1.00	0.310	ug/L	09/29/10
Ethylbenzene	ND	1.00	0.310	ug/L	09/29/10
Hexachlorobutadiene	ND	1.00	0.310	ug/L	09/29/10
Isopropylbenzene (Cumene)	ND	1.00	0.310	ug/L	09/29/10
Methylene chloride	ND	5.00	1.00	ug/L	09/29/10
Methyl-t-butyl ether	ND	5.00	1.50	ug/L	09/29/10
Naphthalene	ND	2.00	0.620	ug/L	09/29/10
n-Butylbenzene	ND	1.00	0.310	ug/L	09/29/10
n-Propylbenzene	ND	1.00	0.310	ug/L	09/29/10
o-Xylene	ND	1.00	0.310	ug/L	09/29/10
P & M -Xylene	ND	2.00	0.620	ug/L	09/29/10
sec-Butylbenzene	ND	1.00	0.310	ug/L	09/29/10
Styrene	ND	1.00	0.310	ug/L	09/29/10
tert-Butylbenzene	ND	1.00	0.310	ug/L	09/29/10
Tetrachloroethene	ND	1.00	0.310	ug/L	09/29/10
Toluene	ND	1.00	0.310	ug/L	09/29/10
trans-1,2-Dichloroethene	ND	1.00	0.310	ug/L	09/29/10
trans-1,3-Dichloropropene	ND	1.00	0.310	ug/L	09/29/10
Trichloroethene	ND	1.00	0.310	ug/L	09/29/10
Trichlorofluoromethane	ND	1.00	0.310	ug/L	09/29/10
Vinyl chloride	ND	1.00	0.310	ug/L	09/29/10
Xylenes (total)	ND	3.00	0.940	ug/L	09/29/10
Surrogates					
1,2-Dichloroethane-D4 <surr>	112	73-120		%	09/29/10
4-Bromofluorobenzene <surr>	98.3	76-120		%	09/29/10
Toluene-d8 <surr>	95	80-120		%	09/29/10

Batch VMS11647
Method SW8260B
Instrument HP 5890 Series II MS3 VNA

SGS Ref.#	994059	Method Blank	**Printed Date/Time**	10/08/2010 9:55
Client Name	Nortech		**Prep Batch**	VXX21422
Project Name/#	CMI 10-1088		**Method**	SW5030B
Matrix	Water (Surface, Eff., Ground)		**Date**	09/30/2010

QC results affect the following production samples:

1106758001, 1106758002, 1106758003, 1106758004, 1106758005

Parameter	Results	LOQ/CL	DL	Units	Analysis Date
Volatile Fuels Department					
Gasoline Range Organics	ND	0.100	0.0310	mg/L	09/30/10
Surrogates					
4-Bromofluorobenzene <surr>	87	50-150		%	09/30/10
Batch VFC10202					
Method AK101					
Instrument HP 5890 Series II PID+HECD VBA					
Benzene	ND	0.500	0.150	ug/L	09/30/10
Ethylbenzene	ND	2.00	0.620	ug/L	09/30/10
o-Xylene	ND	2.00	0.620	ug/L	09/30/10
P & M -Xylene	ND	2.00	0.620	ug/L	09/30/10
Toluene	ND	2.00	0.620	ug/L	09/30/10
Surrogates					
1,4-Difluorobenzene <surr>	93.6	80-120		%	09/30/10
Batch VFC10202					
Method SW8021B					
Instrument HP 5890 Series II PID+HECD VBA					

SGS Ref.#	994122	Method Blank	**Printed Date/Time**	10/08/2010 9:55
Client Name	Nortech		**Prep Batch**	
Project Name/#	CMI 10-1088		**Method**	
Matrix	Soil/Solid (dry weight)		**Date**	

QC results affect the following production samples:

1106758007, 1106758009

Parameter	Results	LOQ/CL	DL	Units	Analysis Date
Volatile Fuels Department					
Gasoline Range Organics	ND	2.50	0.750	mg/Kg	10/01/10
Surrogates					
4-Bromofluorobenzene <surr>	86.3	50-150		%	10/01/10
Batch VFC10203					
Method AK101					
Instrument HP 5890 Series II PID+HECD VBA					
Benzene	ND	12.5	4.00	ug/Kg	10/01/10
Ethylbenzene	ND	50.0	15.0	ug/Kg	10/01/10
o-Xylene	ND	50.0	15.0	ug/Kg	10/01/10
P & M -Xylene	ND	50.0	15.0	ug/Kg	10/01/10
Toluene	ND	50.0	15.0	ug/Kg	10/01/10
Surrogates					
1,4-Difluorobenzene <surr>	93.4	80-120		%	10/01/10
Batch VFC10203					
Method SW8021B					
Instrument HP 5890 Series II PID+HECD VBA					

SGS Ref.#	994382	Method Blank	**Printed Date/Time**	10/08/2010	9:55
Client Name	Nortech		**Prep Batch**		
Project Name/#	CMI 10-1088		**Method**		
Matrix	Soil/Solid (dry weight)		**Date**		

QC results affect the following production samples:

1106758006, 1106758007, 1106758008

Parameter	Results	LOQ/CL	DL	Units	Analysis Date
Solids					
Total Solids	100			%	10/01/10
Batch SPT8254					
Method SM20 2540G					
Instrument					

SGS Ref.#	994501	Method Blank	**Printed Date/Time**	10/08/2010 9:55
Client Name	Nortech		**Prep Batch**	
Project Name/#	CMI 10-1088		**Method**	
Matrix	Soil/Solid (dry weight)		**Date**	

QC results affect the following production samples:

1106758008

Parameter	Results	LOQ/CL	DL	Units	Analysis Date
Volatile Fuels Department					
Gasoline Range Organics	1.03J	2.50	0.750	mg/Kg	10/01/10
Surrogates					
4-Bromofluorobenzene <surr>	87.2	50-150		%	10/01/10
Batch VFC10208					
Method AK101					
Instrument HP 5890 Series II PID+HECD VBA					
Benzene	ND	12.5	4.00	ug/Kg	10/01/10
Ethylbenzene	ND	50.0	15.0	ug/Kg	10/01/10
o-Xylene	ND	50.0	15.0	ug/Kg	10/01/10
P & M -Xylene	ND	50.0	15.0	ug/Kg	10/01/10
Toluene	ND	50.0	15.0	ug/Kg	10/01/10
Surrogates					
1,4-Difluorobenzene <surr>	95.5	80-120		%	10/01/10
Batch VFC10208					
Method SW8021B					
Instrument HP 5890 Series II PID+HECD VBA					

SGS Ref.#	994948	Method Blank	**Printed Date/Time**	10/08/2010 9:55
Client Name	Nortech		**Prep Batch**	
Project Name/#	CMI 10-1088		**Method**	
Matrix	Soil/Solid (dry weight)		**Date**	

QC results affect the following production samples:

1106758006, 1106758009

Parameter	Results	LOQ/CL	DL	Units	Analysis Date

Volatile Gas Chromatography/Mass Spectroscopy

SGS Ref.#	994948	Method Blank	**Printed Date/Time**	10/08/2010 9:55
Client Name	Nortech		**Prep Batch**	
Project Name/#	CMI 10-1088		**Method**	
Matrix	Soil/Solid (dry weight)		**Date**	

Volatile Gas Chromatography/Mass Spectroscopy

Parameter	Results	LOQ/CL	DL	Units	Analysis Date
1,1,1,2-Tetrachloroethane	ND	25.0	7.80	ug/Kg	10/04/10
1,1,1-Trichloroethane	ND	25.0	7.80	ug/Kg	10/04/10
1,1,2,2-Tetrachloroethane	ND	50.0	15.0	ug/Kg	10/04/10
1,1,2-Trichloroethane	ND	25.0	7.80	ug/Kg	10/04/10
1,1-Dichloroethane	ND	25.0	7.80	ug/Kg	10/04/10
1,1-Dichloroethene	ND	25.0	7.80	ug/Kg	10/04/10
1,1-Dichloropropene	ND	25.0	7.80	ug/Kg	10/04/10
1,2,3-Trichlorobenzene	ND	50.0	15.0	ug/Kg	10/04/10
1,2,3-Trichloropropane	ND	25.0	7.80	ug/Kg	10/04/10
1,2,4-Trichlorobenzene	ND	25.0	7.80	ug/Kg	10/04/10
1,2,4-Trimethylbenzene	ND	50.0	15.0	ug/Kg	10/04/10
1,2-Dibromo-3-chloropropane	ND	100	31.0	ug/Kg	10/04/10
1,2-Dibromoethane	ND	25.0	7.80	ug/Kg	10/04/10
1,2-Dichlorobenzene	ND	25.0	7.80	ug/Kg	10/04/10
1,2-Dichloroethane	ND	25.0	7.80	ug/Kg	10/04/10
1,2-Dichloropropane	ND	25.0	7.80	ug/Kg	10/04/10
1,3,5-Trimethylbenzene	ND	25.0	7.80	ug/Kg	10/04/10
1,3-Dichlorobenzene	ND	25.0	7.80	ug/Kg	10/04/10
1,3-Dichloropropane	ND	25.0	7.80	ug/Kg	10/04/10
1,4-Dichlorobenzene	ND	25.0	7.80	ug/Kg	10/04/10
2,2-Dichloropropane	ND	25.0	7.80	ug/Kg	10/04/10
2-Butanone (MEK)	ND	250	78.0	ug/Kg	10/04/10
2-Chlorotoluene	ND	25.0	7.80	ug/Kg	10/04/10
2-Hexanone	ND	250	78.0	ug/Kg	10/04/10
4-Chlorotoluene	ND	25.0	7.80	ug/Kg	10/04/10
4-Isopropyltoluene	ND	25.0	7.80	ug/Kg	10/04/10
4-Methyl-2-pentanone (MIBK)	ND	250	78.0	ug/Kg	10/04/10
Benzene	ND	12.5	3.90	ug/Kg	10/04/10
Bromobenzene	ND	25.0	7.80	ug/Kg	10/04/10
Bromochloromethane	ND	25.0	7.80	ug/Kg	10/04/10
Bromodichloromethane	ND	25.0	7.80	ug/Kg	10/04/10
Bromoform	ND	25.0	7.80	ug/Kg	10/04/10
Bromomethane	ND	200	62.0	ug/Kg	10/04/10
Carbon disulfide	ND	100	31.0	ug/Kg	10/04/10
Carbon tetrachloride	ND	25.0	7.80	ug/Kg	10/04/10
Chlorobenzene	ND	25.0	7.80	ug/Kg	10/04/10
Chloroethane	ND	200	62.0	ug/Kg	10/04/10
Chloroform	ND	25.0	7.80	ug/Kg	10/04/10
Chloromethane	ND	25.0	7.80	ug/Kg	10/04/10

SGS Ref.#	994948	Method Blank	**Printed Date/Time**	10/08/2010	9:55
Client Name	Nortech		**Prep Batch**		
Project Name/#	CMI 10-1088		**Method**		
Matrix	Soil/Solid (dry weight)		**Date**		

Parameter	Results	LOQ/CL	DL	Units	Analysis Date
Volatile Gas Chromatography/Mass Spectroscopy					
cis-1,2-Dichloroethene	ND	25.0	7.80	ug/Kg	10/04/10
cis-1,3-Dichloropropene	ND	25.0	7.80	ug/Kg	10/04/10
Dibromochloromethane	ND	25.0	7.80	ug/Kg	10/04/10
Dibromomethane	ND	25.0	7.80	ug/Kg	10/04/10
Dichlorodifluoromethane	ND	50.0	15.0	ug/Kg	10/04/10
Ethylbenzene	ND	25.0	7.80	ug/Kg	10/04/10
Hexachlorobutadiene	ND	50.0	15.0	ug/Kg	10/04/10
Isopropylbenzene (Cumene)	ND	25.0	7.80	ug/Kg	10/04/10
Methylene chloride	ND	100	31.0	ug/Kg	10/04/10
Methyl-t-butyl ether	ND	100	31.0	ug/Kg	10/04/10
Naphthalene	ND	50.0	15.0	ug/Kg	10/04/10
n-Butylbenzene	ND	25.0	7.80	ug/Kg	10/04/10
n-Propylbenzene	ND	25.0	7.80	ug/Kg	10/04/10
o-Xylene	ND	50.0	15.0	ug/Kg	10/04/10
P & M -Xylene	ND	50.0	15.0	ug/Kg	10/04/10
sec-Butylbenzene	ND	25.0	7.80	ug/Kg	10/04/10
Styrene	ND	25.0	7.80	ug/Kg	10/04/10
tert-Butylbenzene	ND	25.0	7.80	ug/Kg	10/04/10
Tetrachloroethene	ND	25.0	7.80	ug/Kg	10/04/10
Toluene	ND	50.0	15.0	ug/Kg	10/04/10
trans-1,2-Dichloroethene	ND	25.0	7.80	ug/Kg	10/04/10
trans-1,3-Dichloropropene	ND	25.0	7.80	ug/Kg	10/04/10
Trichloroethene	ND	25.0	7.80	ug/Kg	10/04/10
Trichlorofluoromethane	ND	50.0	15.0	ug/Kg	10/04/10
Vinyl chloride	ND	25.0	7.80	ug/Kg	10/04/10
Xylenes (total)	ND	100	31.0	ug/Kg	10/04/10
Surrogates					
1,2-Dichloroethane-D4 <surr>	112	69-132		%	10/04/10
4-Bromofluorobenzene <surr>	96.4	65-144		%	10/04/10
Toluene-d8 <surr>	97.1	84-124		%	10/04/10

Batch VMS11659
Method SW8260B
Instrument HP 5890 Series II MS5 VLA

SGS Ref.#	994974	Method Blank	**Printed Date/Time**	10/08/2010	9:55
Client Name	Nortech		**Prep Batch**	MXX23621	
Project Name/#	CMI 10-1088		**Method**	SW3010A	
Matrix	Water (Surface, Eff., Ground)		**Date**	10/04/2010	

QC results affect the following production samples:

1106758001

Parameter	Results	LOQ/CL	DL	Units	Analysis Date
Metals by ICP/MS					
Lead	ND	1.00	0.310	ug/L	10/07/10
Batch	MMS6736				
Method	SW6020				
Instrument	Perkin Elmer Sciex ICP-MS P3				

SGS Ref.#	995186	Method Blank	**Printed Date/Time**	10/08/2010 9:55
Client Name	Nortech		**Prep Batch**	
Project Name/#	CMI 10-1088		**Method**	
Matrix	Soil/Solid (dry weight)		**Date**	

QC results affect the following production samples:

1106758006, 1106758007

Parameter	Results	LOQ/CL	DL	Units	Analysis Date

Volatile Gas Chromatography/Mass Spectroscopy

SGS Ref.#	995186	Method Blank	**Printed Date/Time**	10/08/2010 9:55
Client Name	Nortech		**Prep Batch**	
Project Name/#	CMI 10-1088		**Method**	
Matrix	Soil/Solid (dry weight)		**Date**	

Volatile Gas Chromatography/Mass Spectroscopy

Parameter	Results	LOQ/CL	DL	Units	Analysis Date
1,1,1,2-Tetrachloroethane	ND	25.0	7.80	ug/Kg	10/05/10
1,1,1-Trichloroethane	ND	25.0	7.80	ug/Kg	10/05/10
1,1,2,2-Tetrachloroethane	ND	50.0	15.0	ug/Kg	10/05/10
1,1,2-Trichloroethane	ND	25.0	7.80	ug/Kg	10/05/10
1,1-Dichloroethane	ND	25.0	7.80	ug/Kg	10/05/10
1,1-Dichloroethene	ND	25.0	7.80	ug/Kg	10/05/10
1,1-Dichloropropene	ND	25.0	7.80	ug/Kg	10/05/10
1,2,3-Trichlorobenzene	ND	50.0	15.0	ug/Kg	10/05/10
1,2,3-Trichloropropane	ND	25.0	7.80	ug/Kg	10/05/10
1,2,4-Trichlorobenzene	ND	25.0	7.80	ug/Kg	10/05/10
1,2,4-Trimethylbenzene	ND	50.0	15.0	ug/Kg	10/05/10
1,2-Dibromo-3-chloropropane	ND	100	31.0	ug/Kg	10/05/10
1,2-Dibromoethane	ND	25.0	7.80	ug/Kg	10/05/10
1,2-Dichlorobenzene	ND	25.0	7.80	ug/Kg	10/05/10
1,2-Dichloroethane	ND	25.0	7.80	ug/Kg	10/05/10
1,2-Dichloropropane	ND	25.0	7.80	ug/Kg	10/05/10
1,3,5-Trimethylbenzene	ND	25.0	7.80	ug/Kg	10/05/10
1,3-Dichlorobenzene	ND	25.0	7.80	ug/Kg	10/05/10
1,3-Dichloropropane	ND	25.0	7.80	ug/Kg	10/05/10
1,4-Dichlorobenzene	ND	25.0	7.80	ug/Kg	10/05/10
2,2-Dichloropropane	ND	25.0	7.80	ug/Kg	10/05/10
2-Butanone (MEK)	ND	250	78.0	ug/Kg	10/05/10
2-Chlorotoluene	ND	25.0	7.80	ug/Kg	10/05/10
2-Hexanone	ND	250	78.0	ug/Kg	10/05/10
4-Chlorotoluene	ND	25.0	7.80	ug/Kg	10/05/10
4-Isopropyltoluene	ND	25.0	7.80	ug/Kg	10/05/10
4-Methyl-2-pentanone (MIBK)	ND	250	78.0	ug/Kg	10/05/10
Benzene	ND	12.5	3.90	ug/Kg	10/05/10
Bromobenzene	ND	25.0	7.80	ug/Kg	10/05/10
Bromochloromethane	ND	25.0	7.80	ug/Kg	10/05/10
Bromodichloromethane	ND	25.0	7.80	ug/Kg	10/05/10
Bromoform	ND	25.0	7.80	ug/Kg	10/05/10
Bromomethane	ND	200	62.0	ug/Kg	10/05/10
Carbon disulfide	ND	100	31.0	ug/Kg	10/05/10
Carbon tetrachloride	ND	25.0	7.80	ug/Kg	10/05/10
Chlorobenzene	ND	25.0	7.80	ug/Kg	10/05/10
Chloroethane	ND	200	62.0	ug/Kg	10/05/10
Chloroform	ND	25.0	7.80	ug/Kg	10/05/10
Chloromethane	ND	25.0	7.80	ug/Kg	10/05/10

SGS Ref.#	995186	Method Blank	**Printed Date/Time**	10/08/2010	9:55
Client Name	Nortech		**Prep Batch**		
Project Name/#	CMI 10-1088		**Method**		
Matrix	Soil/Solid (dry weight)		**Date**		

Parameter	Results	LOQ/CL	DL	Units	Analysis Date
Volatile Gas Chromatography/Mass Spectroscopy					
cis-1,2-Dichloroethene	ND	25.0	7.80	ug/Kg	10/05/10
cis-1,3-Dichloropropene	ND	25.0	7.80	ug/Kg	10/05/10
Dibromochloromethane	ND	25.0	7.80	ug/Kg	10/05/10
Dibromomethane	ND	25.0	7.80	ug/Kg	10/05/10
Dichlorodifluoromethane	ND	50.0	15.0	ug/Kg	10/05/10
Ethylbenzene	ND	25.0	7.80	ug/Kg	10/05/10
Hexachlorobutadiene	ND	50.0	15.0	ug/Kg	10/05/10
Isopropylbenzene (Cumene)	ND	25.0	7.80	ug/Kg	10/05/10
Methylene chloride	ND	100	31.0	ug/Kg	10/05/10
Methyl-t-butyl ether	ND	100	31.0	ug/Kg	10/05/10
Naphthalene	ND	50.0	15.0	ug/Kg	10/05/10
n-Butylbenzene	ND	25.0	7.80	ug/Kg	10/05/10
n-Propylbenzene	ND	25.0	7.80	ug/Kg	10/05/10
o-Xylene	ND	50.0	15.0	ug/Kg	10/05/10
P & M -Xylene	ND	50.0	15.0	ug/Kg	10/05/10
sec-Butylbenzene	ND	25.0	7.80	ug/Kg	10/05/10
Styrene	ND	25.0	7.80	ug/Kg	10/05/10
tert-Butylbenzene	ND	25.0	7.80	ug/Kg	10/05/10
Tetrachloroethene	ND	25.0	7.80	ug/Kg	10/05/10
Toluene	ND	50.0	15.0	ug/Kg	10/05/10
trans-1,2-Dichloroethene	ND	25.0	7.80	ug/Kg	10/05/10
trans-1,3-Dichloropropene	ND	25.0	7.80	ug/Kg	10/05/10
Trichloroethene	ND	25.0	7.80	ug/Kg	10/05/10
Trichlorofluoromethane	ND	50.0	15.0	ug/Kg	10/05/10
Vinyl chloride	ND	25.0	7.80	ug/Kg	10/05/10
Xylenes (total)	ND	100	31.0	ug/Kg	10/05/10
Surrogates					
1,2-Dichloroethane-D4 <surr>	102	69-132		%	10/05/10
4-Bromofluorobenzene <surr>	106	65-144		%	10/05/10
Toluene-d8 <surr>	110	84-124		%	10/05/10

Batch VMS11662
Method SW8260B
Instrument HP 5890 Series II MS5 VLA

SGS Ref.#	994383	Duplicate	**Printed Date/Time**	10/08/2010	9:55
Client Name	Nortech		**Prep**	**Batch**	
Project Name/#	CMI 10-1088			**Method**	
Original	1106771011			**Date**	
Matrix	Soil/Solid (dry weight)				

QC results affect the following production samples:

1106758006, 1106758007, 1106758008

Parameter	Original Result	QC Result	Units	RPD	RPD Limits	Analysis Date
Solids						
Total Solids	68.3	71.0	%	4	(< 15)	10/01/2010

Batch SPT8254
Method SM20 2540G
Instrument

SGS Ref.#	993385	Lab Control Sample	**Printed Date/Time**	10/08/2010	9:55
			Prep Batch	MXX23597	
Client Name	Nortech		**Method**	SW3050B	
Project Name/#	CMI 10-1088		**Date**	09/28/2010	
Matrix	Soil/Solid (dry weight)				

QC results affect the following production samples:

1106758007

Parameter		QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
Metals by ICP/MS								
Lead	LCS	48.3	97	(80-120)			50 mg/Kg	09/29/2010

Batch MMS6719
Method SW6020
Instrument Perkin Elmer Sciex ICP-MS P4

SGS Ref.#	993933	Lab Control Sample	**Printed Date/Time**	10/08/2010	9:55
	993934	Lab Control Sample Duplicate	**Prep Batch**	VXX21418	
Client Name	Nortech		**Method**	SW5030B	
Project Name/#	CMI 10-1088		**Date**	09/29/2010	
Matrix	Water (Surface, Eff., Ground)				

QC results affect the following production samples:

1106758001

Parameter	QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date

Volatile Gas Chromatography/Mass Spectroscopy

SGS Ref.#	993933	Lab Control Sample	**Printed Date/Time**	10/08/2010	9:55
	993934	Lab Control Sample Duplicate	**Prep Batch**	VXX21418	
Client Name	Nortech		**Method**	SW5030B	
Project Name/#	CMI 10-1088		**Date**	09/29/2010	
Matrix	Water (Surface, Eff., Ground)				

Parameter		QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
Volatile Gas Chromatography/Mass Spectroscopy								
1,1,1,2-Tetrachloroethane	LCS	30.6	102	(80-120)			30 ug/L	09/29/2010
	LCSD	30.6	102		0	(< 20)	30 ug/L	09/29/2010
1,1,1-Trichloroethane	LCS	34.7	116	(80-122)			30 ug/L	09/29/2010
	LCSD	33.0	110		5	(< 20)	30 ug/L	09/29/2010
1,1,2,2-Tetrachloroethane	LCS	26.4	88	(76-123)			30 ug/L	09/29/2010
	LCSD	27.1	90		3	(< 20)	30 ug/L	09/29/2010
1,1,2-Trichloroethane	LCS	29.2	97	(77-120)			30 ug/L	09/29/2010
	LCSD	29.5	98		1	(< 20)	30 ug/L	09/29/2010
1,1-Dichloroethane	LCS	29.7	99	(80-120)			30 ug/L	09/29/2010
	LCSD	28.6	95		4	(< 20)	30 ug/L	09/29/2010
1,1-Dichloroethene	LCS	30.5	102	(76-130)			30 ug/L	09/29/2010
	LCSD	29.0	97		5	(< 20)	30 ug/L	09/29/2010
1,1-Dichloropropene	LCS	34.8	116	(80-122)			30 ug/L	09/29/2010
	LCSD	33.7	112		3	(< 20)	30 ug/L	09/29/2010
1,2,3-Trichlorobenzene	LCS	29.0	97	(77-120)			30 ug/L	09/29/2010
	LCSD	29.7	99		2	(< 20)	30 ug/L	09/29/2010
1,2,3-Trichloropropane	LCS	26.8	89	(80-120)			30 ug/L	09/29/2010
	LCSD	28.0	93		4	(< 20)	30 ug/L	09/29/2010
1,2,4-Trichlorobenzene	LCS	28.0	93	(80-120)			30 ug/L	09/29/2010
	LCSD	28.7	96		3	(< 20)	30 ug/L	09/29/2010
1,2,4-Trimethylbenzene	LCS	30.1	100	(80-125)			30 ug/L	09/29/2010
	LCSD	29.4	98		2	(< 20)	30 ug/L	09/29/2010
1,2-Dibromo-3-chloropropane	LCS	29.6	99	(73-130)			30 ug/L	09/29/2010
	LCSD	29.7	99		0	(< 20)	30 ug/L	09/29/2010
1,2-Dibromoethane	LCS	30.9	103	(80-120)			30 ug/L	09/29/2010
	LCSD	31.4	105		2	(< 20)	30 ug/L	09/29/2010
1,2-Dichlorobenzene	LCS	28.5	95	(80-120)			30 ug/L	09/29/2010
	LCSD	28.6	95		0	(< 20)	30 ug/L	09/29/2010

SGS Ref.#	993933	Lab Control Sample	**Printed Date/Time**	10/08/2010	9:55
	993934	Lab Control Sample Duplicate	**Prep Batch**	VXX21418	
Client Name	Nortech		**Method**	SW5030B	
Project Name/#	CMI 10-1088		**Date**	09/29/2010	
Matrix	Water (Surface, Eff., Ground)				

Parameter		QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
Volatile Gas Chromatography/Mass Spectroscopy								
1,2-Dichloroethane	LCS	29.8	99	(80-129)			30 ug/L	09/29/2010
	LCSD	29.6	99		1	(< 20)	30 ug/L	09/29/2010
1,2-Dichloropropane	LCS	32.7	109	(80-121)			30 ug/L	09/29/2010
	LCSD	32.1	107		2	(< 20)	30 ug/L	09/29/2010
1,3,5-Trimethylbenzene	LCS	29.9	100	(80-128)			30 ug/L	09/29/2010
	LCSD	29.4	98		2	(< 20)	30 ug/L	09/29/2010
1,3-Dichlorobenzene	LCS	31.5	105	(80-120)			30 ug/L	09/29/2010
	LCSD	31.7	106		1	(< 20)	30 ug/L	09/29/2010
1,3-Dichloropropane	LCS	30.7	102	(80-121)			30 ug/L	09/29/2010
	LCSD	31.0	103		1	(< 20)	30 ug/L	09/29/2010
1,4-Dichlorobenzene	LCS	29.0	97	(80-120)			30 ug/L	09/29/2010
	LCSD	29.4	98		1	(< 20)	30 ug/L	09/29/2010
2,2-Dichloropropane	LCS	32.1	107	(80-132)			30 ug/L	09/29/2010
	LCSD	31.0	103		4	(< 20)	30 ug/L	09/29/2010
2-Butanone (MEK)	LCS	112	124	(66-136)			90 ug/L	09/29/2010
	LCSD	113	125		1	(< 20)	90 ug/L	09/29/2010
2-Chlorotoluene	LCS	32.9	110	(80-125)			30 ug/L	09/29/2010
	LCSD	32.3	108		2	(< 20)	30 ug/L	09/29/2010
2-Hexanone	LCS	98.2	109	(68-130)			90 ug/L	09/29/2010
	LCSD	101	112		3	(< 20)	90 ug/L	09/29/2010
4-Chlorotoluene	LCS	30.5	102	(79-128)			30 ug/L	09/29/2010
	LCSD	30.0	100		2	(< 20)	30 ug/L	09/29/2010
4-Isopropyltoluene	LCS	30.1	100	(80-125)			30 ug/L	09/29/2010
	LCSD	29.9	100		1	(< 20)	30 ug/L	09/29/2010
4-Methyl-2-pentanone (MIBK)	LCS	92.1	102	(69-134)			90 ug/L	09/29/2010
	LCSD	91.2	101		1	(< 20)	90 ug/L	09/29/2010
Benzene	LCS	34.7	116	(80-120)			30 ug/L	09/29/2010

SGS Ref.#	993933	Lab Control Sample	**Printed Date/Time**	10/08/2010	9:55
	993934	Lab Control Sample Duplicate	**Prep Batch**	VXX21418	
Client Name	Nortech		**Method**	SW5030B	
Project Name/#	CMI 10-1088		**Date**	09/29/2010	
Matrix	Water (Surface, Eff., Ground)				

Parameter		QC Results	Pct Recov		LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
Volatile Gas Chromatography/Mass Spectroscopy									
	LCSD	33.1	110			5	(< 20)	30 ug/L	09/29/2010
Bromobenzene	LCS	28.5	95		(80-120)			30 ug/L	09/29/2010
	LCSD	28.5	95			0	(< 20)	30 ug/L	09/29/2010
Bromochloromethane	LCS	27.7	92		(77-129)			30 ug/L	09/29/2010
	LCSD	27.2	91			2	(< 20)	30 ug/L	09/29/2010
Bromodichloromethane	LCS	33.2	111		(80-120)			30 ug/L	09/29/2010
	LCSD	32.0	107			4	(< 20)	30 ug/L	09/29/2010
Bromoform	LCS	27.0	90		(80-120)			30 ug/L	09/29/2010
	LCSD	27.8	93			3	(< 20)	30 ug/L	09/29/2010
Bromomethane	LCS	38.5	128		(30-140)			30 ug/L	09/29/2010
	LCSD	36.5	122			5	(< 20)	30 ug/L	09/29/2010
Carbon disulfide	LCS	52.6	117		(72-123)			45 ug/L	09/29/2010
	LCSD	50.2	112			5	(< 20)	45 ug/L	09/29/2010
Carbon tetrachloride	LCS	31.6	105		(80-126)			30 ug/L	09/29/2010
	LCSD	29.6	99			7	(< 20)	30 ug/L	09/29/2010
Chlorobenzene	LCS	31.6	105		(80-120)			30 ug/L	09/29/2010
	LCSD	30.9	103			2	(< 20)	30 ug/L	09/29/2010
Chloroethane	LCS	39.4	131		(67-133)			30 ug/L	09/29/2010
	LCSD	36.3	121			8	(< 20)	30 ug/L	09/29/2010
Chloroform	LCS	28.5	95		(80-124)			30 ug/L	09/29/2010
	LCSD	27.3	91			4	(< 20)	30 ug/L	09/29/2010
Chloromethane	LCS	44.6	149	*	(67-125)			30 ug/L	09/29/2010
	LCSD	41.8	139	*		7	(< 20)	30 ug/L	09/29/2010
cis-1,2-Dichloroethene	LCS	27.7	92		(80-125)			30 ug/L	09/29/2010
	LCSD	26.5	88			4	(< 20)	30 ug/L	09/29/2010
cis-1,3-Dichloropropene	LCS	30.3	101		(80-120)			30 ug/L	09/29/2010
	LCSD	29.4	98			3	(< 20)	30 ug/L	09/29/2010

SGS Ref.#	993933	Lab Control Sample	**Printed Date/Time**	10/08/2010	9:55
	993934	Lab Control Sample Duplicate	**Prep Batch**	VXX21418	
Client Name	Nortech		**Method**	SW5030B	
Project Name/#	CMI 10-1088		**Date**	09/29/2010	
Matrix	Water (Surface, Eff., Ground)				

Parameter		QC Results	Pct Recov		LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
Volatile Gas Chromatography/Mass Spectroscopy									
Dibromochloromethane	LCS	31.0	103		(80-120)			30 ug/L	09/29/2010
	LCSD	30.7	102			1	(< 20)	30 ug/L	09/29/2010
Dibromomethane	LCS	30.4	101		(80-120)			30 ug/L	09/29/2010
	LCSD	30.0	100			2	(< 20)	30 ug/L	09/29/2010
Dichlorodifluoromethane	LCS	46.7	156	*	(62-153)			30 ug/L	09/29/2010
	LCSD	43.7	146			7	(< 20)	30 ug/L	09/29/2010
Ethylbenzene	LCS	30.4	101		(80-120)			30 ug/L	09/29/2010
	LCSD	29.4	98			3	(< 20)	30 ug/L	09/29/2010
Hexachlorobutadiene	LCS	31.7	106		(77-125)			30 ug/L	09/29/2010
	LCSD	31.9	106			1	(< 20)	30 ug/L	09/29/2010
Isopropylbenzene (Cumene)	LCS	30.4	101		(80-121)			30 ug/L	09/29/2010
	LCSD	29.6	99			3	(< 20)	30 ug/L	09/29/2010
Methylene chloride	LCS	32.2	107		(63-131)			30 ug/L	09/29/2010
	LCSD	31.9	106			1	(< 20)	30 ug/L	09/29/2010
Methyl-t-butyl ether	LCS	42.8	95		(80-120)			45 ug/L	09/29/2010
	LCSD	43.6	97			2	(< 20)	45 ug/L	09/29/2010
Naphthalene	LCS	26.9	90		(75-120)			30 ug/L	09/29/2010
	LCSD	27.9	93			4	(< 20)	30 ug/L	09/29/2010
n-Butylbenzene	LCS	30.2	101		(80-124)			30 ug/L	09/29/2010
	LCSD	30.0	100			1	(< 20)	30 ug/L	09/29/2010
n-Propylbenzene	LCS	31.4	105		(80-129)			30 ug/L	09/29/2010
	LCSD	30.5	102			3	(< 20)	30 ug/L	09/29/2010
o-Xylene	LCS	29.3	98		(80-120)			30 ug/L	09/29/2010
	LCSD	28.5	95			3	(< 20)	30 ug/L	09/29/2010
P & M -Xylene	LCS	60.2	100		(80-120)			60 ug/L	09/29/2010
	LCSD	58.6	98			3	(< 20)	60 ug/L	09/29/2010
sec-Butylbenzene	LCS	31.2	104		(80-120)			30 ug/L	09/29/2010
	LCSD	30.5	102			2	(< 20)	30 ug/L	09/29/2010

SGS Ref.#	993933	Lab Control Sample	**Printed Date/Time**	10/08/2010	9:55
	993934	Lab Control Sample Duplicate	**Prep Batch**	VXX21418	
Client Name	Nortech		**Method**	SW5030B	
Project Name/#	CMI 10-1088		**Date**	09/29/2010	
Matrix	Water (Surface, Eff., Ground)				

Parameter		QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
Volatile Gas Chromatography/Mass Spectroscopy								
Styrene	LCS	29.3	98	(80-120)			30 ug/L	09/29/2010
	LCSD	28.8	96		2	(< 20)	30 ug/L	09/29/2010
tert-Butylbenzene	LCS	29.6	99	(80-122)			30 ug/L	09/29/2010
	LCSD	29.2	97		1	(< 20)	30 ug/L	09/29/2010
Tetrachloroethene	LCS	30.9	103	(79-122)			30 ug/L	09/29/2010
	LCSD	29.7	99		4	(< 20)	30 ug/L	09/29/2010
Toluene	LCS	29.5	98	(77-120)			30 ug/L	09/29/2010
	LCSD	28.6	95		3	(< 20)	30 ug/L	09/29/2010
trans-1,2-Dichloroethene	LCS	28.9	96	(79-132)			30 ug/L	09/29/2010
	LCSD	27.7	92		4	(< 20)	30 ug/L	09/29/2010
trans-1,3-Dichloropropene	LCS	28.7	96	(80-124)			30 ug/L	09/29/2010
	LCSD	28.9	96		1	(< 20)	30 ug/L	09/29/2010
Trichloroethene	LCS	32.1	107	(80-125)			30 ug/L	09/29/2010
	LCSD	30.8	103		4	(< 20)	30 ug/L	09/29/2010
Trichlorofluoromethane	LCS	32.9	110	(68-145)			30 ug/L	09/29/2010
	LCSD	30.7	102		7	(< 20)	30 ug/L	09/29/2010
Vinyl chloride	LCS	36.1	120	(72-145)			30 ug/L	09/29/2010
	LCSD	34.6	115		5	(< 20)	30 ug/L	09/29/2010
Xylenes (total)	LCS	89.4	99	(80-120)			90 ug/L	09/29/2010
	LCSD	87.2	97		3	(< 20)	90 ug/L	09/29/2010
Surrogates								
1,2-Dichloroethane-D4 <surr>	LCS		99	(73-120)				09/29/2010
	LCSD		94		5			09/29/2010
4-Bromofluorobenzene <surr>	LCS		100	(76-120)				09/29/2010
	LCSD		100		0			09/29/2010
Toluene-d8 <surr>	LCS		102	(80-120)				09/29/2010
	LCSD		101		1			09/29/2010

SGS Ref.#	993933	Lab Control Sample	**Printed Date/Time**	10/08/2010	9:55
	993934	Lab Control Sample Duplicate	**Prep Batch**	VXX21418	
Client Name	Nortech		**Method**	SW5030B	
Project Name/#	CMI 10-1088		**Date**	09/29/2010	
Matrix	Water (Surface, Eff., Ground)				

Parameter	QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date

Volatile Gas Chromatography/Mass Spectroscopy

Batch VMS11647
Method SW8260B
Instrument HP 5890 Series II MS3 VNA

SGS Ref.#	994060	Lab Control Sample	**Printed Date/Time**	10/08/2010	9:55
	994061	Lab Control Sample Duplicate	**Prep Batch**	VXX21422	
Client Name	Nortech		**Method**	SW5030B	
Project Name/#	CMI 10-1088		**Date**	09/30/2010	
Matrix	Water (Surface, Eff., Ground)				

QC results affect the following production samples:

1106758001, 1106758002, 1106758003, 1106758004, 1106758005

Parameter		QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
Volatile Fuels Department								
Benzene	LCS	105	105	(80-120)			100 ug/L	09/30/2010
	LCSD	103	103		2	(< 20)	100 ug/L	09/30/2010
Ethylbenzene	LCS	105	105	(87-125)			100 ug/L	09/30/2010
	LCSD	103	103		2	(< 20)	100 ug/L	09/30/2010
o-Xylene	LCS	104	104	(85-120)			100 ug/L	09/30/2010
	LCSD	103	103		1	(< 20)	100 ug/L	09/30/2010
P & M -Xylene	LCS	209	104	(87-125)			200 ug/L	09/30/2010
	LCSD	206	103		1	(< 20)	200 ug/L	09/30/2010
Toluene	LCS	103	103	(80-120)			100 ug/L	09/30/2010
	LCSD	101	101		1	(< 20)	100 ug/L	09/30/2010
Surrogates								
1,4-Difluorobenzene <surr>	LCS		101	(80-120)				09/30/2010
	LCSD		101		0			09/30/2010

Batch	VFC10202
Method	SW8021B
Instrument	HP 5890 Series II PID+HECD VBA

SGS Ref.#	994062	Lab Control Sample	**Printed Date/Time**	10/08/2010	9:55
	994063	Lab Control Sample Duplicate	**Prep Batch**	VXX21422	
Client Name	Nortech		**Method**	SW5030B	
Project Name/#	CMI 10-1088		**Date**	09/30/2010	
Matrix	Water (Surface, Eff., Ground)				

QC results affect the following production samples:

1106758001, 1106758002, 1106758003, 1106758004, 1106758005

Parameter		QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
Volatile Fuels Department								
Gasoline Range Organics	LCS	0.225	113	(60-120)			0.200 mg/L	09/30/2010
	LCSD	0.222	111		1	(< 20)	0.200 mg/L	09/30/2010
Surrogates								
4-Bromofluorobenzene <surr>	LCS		89	(50-150)				09/30/2010
	LCSD		89		0			09/30/2010

Batch VFC10202
Method AK101
Instrument HP 5890 Series II PID+HECD VBA

SGS Ref.#	994123	Lab Control Sample	**Printed Date/Time**	10/08/2010	9:55
	994124	Lab Control Sample Duplicate	**Prep Batch**		
Client Name	Nortech		**Method**		
Project Name/#	CMI 10-1088		**Date**		
Matrix	Soil/Solid (dry weight)				

QC results affect the following production samples:

1106758007, 1106758009

Parameter		QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
Volatile Fuels Department								
Benzene	LCS	1300	104	(80-125)			1250 ug/Kg	10/01/2010
	LCSD	1290	103		1	(< 20)	1250 ug/Kg	10/01/2010
Ethylbenzene	LCS	1360	109	(85-125)			1250 ug/Kg	10/01/2010
	LCSD	1350	108		0	(< 20)	1250 ug/Kg	10/01/2010
o-Xylene	LCS	1360	108	(85-125)			1250 ug/Kg	10/01/2010
	LCSD	1350	108		0	(< 20)	1250 ug/Kg	10/01/2010
P & M -Xylene	LCS	2730	109	(85-125)			2500 ug/Kg	10/01/2010
	LCSD	2720	109		0	(< 20)	2500 ug/Kg	10/01/2010
Toluene	LCS	1330	106	(85-120)			1250 ug/Kg	10/01/2010
	LCSD	1310	105		1	(< 20)	1250 ug/Kg	10/01/2010
Surrogates								
1,4-Difluorobenzene <surr>	LCS		97	(80-120)				10/01/2010
	LCSD		97		0			10/01/2010

Batch VFC10203
Method SW8021B
Instrument HP 5890 Series II PID+HECD VBA

SGS Ref.#	994125	Lab Control Sample	**Printed Date/Time**	10/08/2010 9:55
	994126	Lab Control Sample Duplicate	**Prep Batch**	
Client Name	Nortech		**Method**	
Project Name/#	CMI 10-1088		**Date**	
Matrix	Soil/Solid (dry weight)			

QC results affect the following production samples:

1106758007, 1106758009

Parameter		QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
Volatile Fuels Department								
Gasoline Range Organics	LCS	11.4	101	(60-120)			11.3 mg/Kg	10/01/2010
	LCSD	11.3	101		0	(< 20)	11.3 mg/Kg	10/01/2010
Surrogates								
4-Bromofluorobenzene <surr>	LCS		86	(50-150)				10/01/2010
	LCSD		90		4			10/01/2010

Batch VFC10203
Method AK101
Instrument HP 5890 Series II PID+HECD VBA

SGS Ref.#	994502	Lab Control Sample	**Printed Date/Time**	10/08/2010	9:55
	994503	Lab Control Sample Duplicate	**Prep Batch**		
Client Name	Nortech		**Method**		
Project Name/#	CMI 10-1088		**Date**		
Matrix	Soil/Solid (dry weight)				

QC results affect the following production samples:

1106758008

Parameter		QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
Volatile Fuels Department								
Benzene	LCS	1310	105	(80-125)			1250 ug/Kg	10/01/2010
	LCSD	1280	103		2	(< 20)	1250 ug/Kg	10/01/2010
Ethylbenzene	LCS	1380	111	(85-125)			1250 ug/Kg	10/01/2010
	LCSD	1350	108		2	(< 20)	1250 ug/Kg	10/01/2010
o-Xylene	LCS	1390	111	(85-125)			1250 ug/Kg	10/01/2010
	LCSD	1350	108		3	(< 20)	1250 ug/Kg	10/01/2010
P & M -Xylene	LCS	2780	111	(85-125)			2500 ug/Kg	10/01/2010
	LCSD	2710	109		3	(< 20)	2500 ug/Kg	10/01/2010
Toluene	LCS	1340	107	(85-120)			1250 ug/Kg	10/01/2010
	LCSD	1310	105		2	(< 20)	1250 ug/Kg	10/01/2010
Surrogates								
1,4-Difluorobenzene <surr>	LCS		100	(80-120)				10/01/2010
	LCSD		99		0			10/01/2010

Batch VFC10208
Method SW8021B
Instrument HP 5890 Series II PID+HECD VBA

SGS Ref.#	994504	Lab Control Sample	**Printed Date/Time**	10/08/2010 9:55
	994505	Lab Control Sample Duplicate	**Prep Batch**	
Client Name	Nortech		**Method**	
Project Name/#	CMI 10-1088		**Date**	
Matrix	Soil/Solid (dry weight)			

QC results affect the following production samples:

1106758008

Parameter		QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
Volatile Fuels Department								
Gasoline Range Organics	LCS	11.7	104	(60-120)			11.3 mg/Kg	10/01/2010
	LCSD	11.5	102		2	(< 20)	11.3 mg/Kg	10/01/2010
Surrogates								
4-Bromofluorobenzene <surr>	LCS		86	(50-150)				10/01/2010
	LCSD		83		3			10/01/2010

Batch VFC10208
Method AK101
Instrument HP 5890 Series II PID+HECD VBA

SGS Ref.#	994949	Lab Control Sample	**Printed Date/Time**	10/08/2010	9:55
			Prep Batch		
Client Name	Nortech		**Method**		
Project Name/#	CMI 10-1088		**Date**		
Matrix	Soil/Solid (dry weight)				

QC results affect the following production samples:

1106758006, 1106758009

Parameter	QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date

Volatile Gas Chromatography/Mass Spectroscopy

SGS Ref.#	994949	Lab Control Sample	**Printed Date/Time**	10/08/2010	9:55
			Prep Batch		
Client Name	Nortech		**Method**		
Project Name/#	CMI 10-1088		**Date**		
Matrix	Soil/Solid (dry weight)				

Parameter		QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
Volatile Gas Chromatography/Mass Spectroscopy								
1,1,1,2-Tetrachloroethane	LCS	768	102	(77-123)			750 ug/Kg	10/04/2010
1,1,1-Trichloroethane	LCS	772	103	(77-129)			750 ug/Kg	10/04/2010
1,1,2,2-Tetrachloroethane	LCS	749	100	(80-122)			750 ug/Kg	10/04/2010
1,1,2-Trichloroethane	LCS	757	101	(85-121)			750 ug/Kg	10/04/2010
1,1-Dichloroethane	LCS	827	110	(81-126)			750 ug/Kg	10/04/2010
1,1-Dichloroethene	LCS	767	102	(75-125)			750 ug/Kg	10/04/2010
1,1-Dichloropropene	LCS	799	106	(76-134)			750 ug/Kg	10/04/2010
1,2,3-Trichlorobenzene	LCS	599	80	(78-124)			750 ug/Kg	10/04/2010
1,2,3-Trichloropropane	LCS	698	93	(77-125)			750 ug/Kg	10/04/2010
1,2,4-Trichlorobenzene	LCS	627	84	(77-126)			750 ug/Kg	10/04/2010
1,2,4-Trimethylbenzene	LCS	667	89	(85-121)			750 ug/Kg	10/04/2010
1,2-Dibromo-3-chloropropane	LCS	744	99	(60-135)			750 ug/Kg	10/04/2010
1,2-Dibromoethane	LCS	787	105	(85-124)			750 ug/Kg	10/04/2010
1,2-Dichlorobenzene	LCS	742	99	(88-113)			750 ug/Kg	10/04/2010
1,2-Dichloroethane	LCS	759	101	(83-121)			750 ug/Kg	10/04/2010
1,2-Dichloropropane	LCS	777	104	(81-120)			750 ug/Kg	10/04/2010
1,3,5-Trimethylbenzene	LCS	691	92	(87-120)			750 ug/Kg	10/04/2010
1,3-Dichlorobenzene	LCS	768	102	(86-117)			750 ug/Kg	10/04/2010
1,3-Dichloropropane	LCS	773	103	(84-123)			750 ug/Kg	10/04/2010
1,4-Dichlorobenzene	LCS	733	98	(86-118)			750 ug/Kg	10/04/2010
2,2-Dichloropropane	LCS	783	104	(69-132)			750 ug/Kg	10/04/2010

SGS Ref.#	994949	Lab Control Sample	**Printed Date/Time**	10/08/2010	9:55
			Prep Batch		
Client Name	Nortech		**Method**		
Project Name/#	CMI 10-1088		**Date**		
Matrix	Soil/Solid (dry weight)				

Parameter		QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
Volatile Gas Chromatography/Mass Spectroscopy								
2-Butanone (MEK)	LCS	2070	92	(57-135)			2250 ug/Kg	10/04/2010
2-Chlorotoluene	LCS	782	104	(81-122)			750 ug/Kg	10/04/2010
2-Hexanone	LCS	2150	95	(58-145)			2250 ug/Kg	10/04/2010
4-Chlorotoluene	LCS	696	93	(84-120)			750 ug/Kg	10/04/2010
4-Isopropyltoluene	LCS	674	90	(83-121)			750 ug/Kg	10/04/2010
4-Methyl-2-pentanone (MIBK)	LCS	2270	101	(67-135)			2250 ug/Kg	10/04/2010
Benzene	LCS	771	103	(81-124)			750 ug/Kg	10/04/2010
Bromobenzene	LCS	772	103	(86-119)			750 ug/Kg	10/04/2010
Bromochloromethane	LCS	785	105	(79-125)			750 ug/Kg	10/04/2010
Bromodichloromethane	LCS	759	101	(81-127)			750 ug/Kg	10/04/2010
Bromoform	LCS	782	104	(72-135)			750 ug/Kg	10/04/2010
Bromomethane	LCS	921	123	(49-141)			750 ug/Kg	10/04/2010
Carbon disulfide	LCS	1140	101	(58-155)			1130 ug/Kg	10/04/2010
Carbon tetrachloride	LCS	763	102	(79-128)			750 ug/Kg	10/04/2010
Chlorobenzene	LCS	796	106	(84-121)			750 ug/Kg	10/04/2010
Chloroethane	LCS	755	101	(51-141)			750 ug/Kg	10/04/2010
Chloroform	LCS	764	102	(77-124)			750 ug/Kg	10/04/2010
Chloromethane	LCS	882	118	(54-129)			750 ug/Kg	10/04/2010
cis-1,2-Dichloroethene	LCS	766	102	(82-124)			750 ug/Kg	10/04/2010
cis-1,3-Dichloropropene	LCS	834	111	(82-122)			750 ug/Kg	10/04/2010

SGS Ref.#	994949	Lab Control Sample	**Printed Date/Time**	10/08/2010	9:55
			Prep Batch		
Client Name	Nortech		**Method**		
Project Name/#	CMI 10-1088		**Date**		
Matrix	Soil/Solid (dry weight)				

Parameter		QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
Volatile Gas Chromatography/Mass Spectroscopy								
Dibromochloromethane	LCS	777	104	(84-125)			750 ug/Kg	10/04/2010
Dibromomethane	LCS	748	100	(80-123)			750 ug/Kg	10/04/2010
Dichlorodifluoromethane	LCS	769	103	(43-135)			750 ug/Kg	10/04/2010
Ethylbenzene	LCS	790	105	(87-119)			750 ug/Kg	10/04/2010
Hexachlorobutadiene	LCS	621	83	(74-124)			750 ug/Kg	10/04/2010
Isopropylbenzene (Cumene)	LCS	797	106	(89-121)			750 ug/Kg	10/04/2010
Methylene chloride	LCS	707	94	(63-137)			750 ug/Kg	10/04/2010
Methyl-t-butyl ether	LCS	1150	102	(76-133)			1130 ug/Kg	10/04/2010
Naphthalene	LCS	676	90	(73-131)			750 ug/Kg	10/04/2010
n-Butylbenzene	LCS	714	95	(82-127)			750 ug/Kg	10/04/2010
n-Propylbenzene	LCS	792	106	(82-125)			750 ug/Kg	10/04/2010
o-Xylene	LCS	728	97	(89-120)			750 ug/Kg	10/04/2010
P & M -Xylene	LCS	1430	95	(88-121)			1500 ug/Kg	10/04/2010
sec-Butylbenzene	LCS	698	93	(84-122)			750 ug/Kg	10/04/2010
Styrene	LCS	734	98	(91-120)			750 ug/Kg	10/04/2010
tert-Butylbenzene	LCS	726	97	(82-122)			750 ug/Kg	10/04/2010
Tetrachloroethene	LCS	764	102	(82-125)			750 ug/Kg	10/04/2010
Toluene	LCS	822	110	(87-119)			750 ug/Kg	10/04/2010
trans-1,2-Dichloroethene	LCS	778	104	(79-125)			750 ug/Kg	10/04/2010
trans-1,3-Dichloropropene	LCS	724	97	(86-122)			750 ug/Kg	10/04/2010
Trichloroethene	LCS	755	101	(77-124)			750 ug/Kg	10/04/2010

SGS Ref.#	994949	Lab Control Sample	**Printed Date/Time**	10/08/2010	9:55
			Prep Batch		
Client Name	Nortech		**Method**		
Project Name/#	CMI 10-1088		**Date**		
Matrix	Soil/Solid (dry weight)				

Parameter		QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
Volatile Gas Chromatography/Mass Spectroscopy								
Trichlorofluoromethane	LCS	793	106	(64-139)			750 ug/Kg	10/04/2010
Vinyl chloride	LCS	858	114	(67-125)			750 ug/Kg	10/04/2010
Xylenes (total)	LCS	2160	96	(89-120)			2250 ug/Kg	10/04/2010
Surrogates								
1,2-Dichloroethane-D4 <surr>	LCS		100	(69-132)				10/04/2010
4-Bromofluorobenzene <surr>	LCS		99	(65-144)				10/04/2010
Toluene-d8 <surr>	LCS		108	(84-124)				10/04/2010

Batch VMS11659
Method SW8260B
Instrument HP 5890 Series II MS5 VLA

SGS Ref.#	994975	Lab Control Sample	**Printed Date/Time**	10/08/2010	9:55
			Prep Batch	MXX23621	
Client Name	Nortech		**Method**	SW3010A	
Project Name/#	CMI 10-1088		**Date**	10/04/2010	
Matrix	Water (Surface, Eff., Ground)				

QC results affect the following production samples:

1106758001

Parameter		QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
Metals by ICP/MS								
Lead	LCS	1000	100	(80-120)			1000 ug/L	10/07/2010

Batch MMS6736
Method SW6020
Instrument Perkin Elmer Sciex ICP-MS P3

SGS Ref.#	995187	Lab Control Sample	**Printed Date/Time**	10/08/2010	9:55
			Prep Batch		
Client Name	Nortech		**Method**		
Project Name/#	CMI 10-1088		**Date**		
Matrix	Soil/Solid (dry weight)				

QC results affect the following production samples:

1106758006, 1106758007

Parameter	QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date

Volatile Gas Chromatography/Mass Spectroscopy

SGS Ref.#	995187	Lab Control Sample	**Printed Date/Time**	10/08/2010	9:55
			Prep Batch		
Client Name	Nortech		**Method**		
Project Name/#	CMI 10-1088		**Date**		
Matrix	Soil/Solid (dry weight)				

Parameter		QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
Volatile Gas Chromatography/Mass Spectroscopy								
1,1,1,2-Tetrachloroethane	LCS	814	109	(77-123)			750 ug/Kg	10/05/2010
1,1,1-Trichloroethane	LCS	825	110	(77-129)			750 ug/Kg	10/05/2010
1,1,2,2-Tetrachloroethane	LCS	773	103	(80-122)			750 ug/Kg	10/05/2010
1,1,2-Trichloroethane	LCS	789	105	(85-121)			750 ug/Kg	10/05/2010
1,1-Dichloroethane	LCS	687	92	(81-126)			750 ug/Kg	10/05/2010
1,1-Dichloroethene	LCS	632	84	(75-125)			750 ug/Kg	10/05/2010
1,1-Dichloropropene	LCS	821	109	(76-134)			750 ug/Kg	10/05/2010
1,2,3-Trichlorobenzene	LCS	695	93	(78-124)			750 ug/Kg	10/05/2010
1,2,3-Trichloropropane	LCS	716	96	(77-125)			750 ug/Kg	10/05/2010
1,2,4-Trichlorobenzene	LCS	683	91	(77-126)			750 ug/Kg	10/05/2010
1,2,4-Trimethylbenzene	LCS	712	95	(85-121)			750 ug/Kg	10/05/2010
1,2-Dibromo-3-chloropropane	LCS	725	97	(60-135)			750 ug/Kg	10/05/2010
1,2-Dibromoethane	LCS	818	109	(85-124)			750 ug/Kg	10/05/2010
1,2-Dichlorobenzene	LCS	761	101	(88-113)			750 ug/Kg	10/05/2010
1,2-Dichloroethane	LCS	770	103	(83-121)			750 ug/Kg	10/05/2010
1,2-Dichloropropane	LCS	813	108	(81-120)			750 ug/Kg	10/05/2010
1,3,5-Trimethylbenzene	LCS	708	94	(87-120)			750 ug/Kg	10/05/2010
1,3-Dichlorobenzene	LCS	795	106	(86-117)			750 ug/Kg	10/05/2010
1,3-Dichloropropane	LCS	776	103	(84-123)			750 ug/Kg	10/05/2010
1,4-Dichlorobenzene	LCS	837	112	(86-118)			750 ug/Kg	10/05/2010
2,2-Dichloropropane	LCS	751	100	(69-132)			750 ug/Kg	10/05/2010

SGS Ref.#	995187	Lab Control Sample	**Printed Date/Time**	10/08/2010	9:55
			Prep Batch		
Client Name	Nortech		**Method**		
Project Name/#	CMI 10-1088		**Date**		
Matrix	Soil/Solid (dry weight)				

Parameter		QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
Volatile Gas Chromatography/Mass Spectroscopy								
2-Butanone (MEK)	LCS	1870	83	(57-135)			2250 ug/Kg	10/05/2010
2-Chlorotoluene	LCS	804	107	(81-122)			750 ug/Kg	10/05/2010
2-Hexanone	LCS	1800	80	(58-145)			2250 ug/Kg	10/05/2010
4-Chlorotoluene	LCS	696	93	(84-120)			750 ug/Kg	10/05/2010
4-Isopropyltoluene	LCS	723	96	(83-121)			750 ug/Kg	10/05/2010
4-Methyl-2-pentanone (MIBK)	LCS	2240	100	(67-135)			2250 ug/Kg	10/05/2010
Benzene	LCS	828	110	(81-124)			750 ug/Kg	10/05/2010
Bromobenzene	LCS	860	115	(86-119)			750 ug/Kg	10/05/2010
Bromochloromethane	LCS	764	102	(79-125)			750 ug/Kg	10/05/2010
Bromodichloromethane	LCS	786	105	(81-127)			750 ug/Kg	10/05/2010
Bromoform	LCS	829	111	(72-135)			750 ug/Kg	10/05/2010
Bromomethane	LCS	741	99	(49-141)			750 ug/Kg	10/05/2010
Carbon disulfide	LCS	904	80	(58-155)			1130 ug/Kg	10/05/2010
Carbon tetrachloride	LCS	836	111	(79-128)			750 ug/Kg	10/05/2010
Chlorobenzene	LCS	834	111	(84-121)			750 ug/Kg	10/05/2010
Chloroethane	LCS	731	98	(51-141)			750 ug/Kg	10/05/2010
Chloroform	LCS	777	104	(77-124)			750 ug/Kg	10/05/2010
Chloromethane	LCS	731	98	(54-129)			750 ug/Kg	10/05/2010
cis-1,2-Dichloroethene	LCS	732	98	(82-124)			750 ug/Kg	10/05/2010
cis-1,3-Dichloropropene	LCS	848	113	(82-122)			750 ug/Kg	10/05/2010

SGS Ref.#	995187	Lab Control Sample	**Printed Date/Time**	10/08/2010	9:55
			Prep Batch		
Client Name	Nortech		**Method**		
Project Name/#	CMI 10-1088		**Date**		
Matrix	Soil/Solid (dry weight)				

Parameter		QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
Volatile Gas Chromatography/Mass Spectroscopy								
Dibromochloromethane	LCS	816	109	(84-125)			750 ug/Kg	10/05/2010
Dibromomethane	LCS	798	106	(80-123)			750 ug/Kg	10/05/2010
Dichlorodifluoromethane	LCS	788	105	(43-135)			750 ug/Kg	10/05/2010
Ethylbenzene	LCS	860	115	(87-119)			750 ug/Kg	10/05/2010
Hexachlorobutadiene	LCS	728	97	(74-124)			750 ug/Kg	10/05/2010
Isopropylbenzene (Cumene)	LCS	819	109	(89-121)			750 ug/Kg	10/05/2010
Methylene chloride	LCS	622	83	(63-137)			750 ug/Kg	10/05/2010
Methyl-t-butyl ether	LCS	1010	90	(76-133)			1130 ug/Kg	10/05/2010
Naphthalene	LCS	666	89	(73-131)			750 ug/Kg	10/05/2010
n-Butylbenzene	LCS	731	97	(82-127)			750 ug/Kg	10/05/2010
n-Propylbenzene	LCS	816	109	(82-125)			750 ug/Kg	10/05/2010
o-Xylene	LCS	755	101	(89-120)			750 ug/Kg	10/05/2010
P & M -Xylene	LCS	1470	98	(88-121)			1500 ug/Kg	10/05/2010
sec-Butylbenzene	LCS	723	96	(84-122)			750 ug/Kg	10/05/2010
Styrene	LCS	735	98	(91-120)			750 ug/Kg	10/05/2010
tert-Butylbenzene	LCS	787	105	(82-122)			750 ug/Kg	10/05/2010
Tetrachloroethene	LCS	879	117	(82-125)			750 ug/Kg	10/05/2010
Toluene	LCS	812	108	(87-119)			750 ug/Kg	10/05/2010
trans-1,2-Dichloroethene	LCS	679	91	(79-125)			750 ug/Kg	10/05/2010
trans-1,3-Dichloropropene	LCS	750	100	(86-122)			750 ug/Kg	10/05/2010
Trichloroethene	LCS	795	106	(77-124)			750 ug/Kg	10/05/2010

SGS Ref.#	995187	Lab Control Sample	**Printed Date/Time**	10/08/2010	9:55
			Prep Batch		
Client Name	Nortech		**Method**		
Project Name/#	CMI 10-1088		**Date**		
Matrix	Soil/Solid (dry weight)				

Parameter		QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
Volatile Gas Chromatography/Mass Spectroscopy								
Trichlorofluoromethane	LCS	740	99	(64-139)			750 ug/Kg	10/05/2010
Vinyl chloride	LCS	713	95	(67-125)			750 ug/Kg	10/05/2010
Xylenes (total)	LCS	2220	99	(89-120)			2250 ug/Kg	10/05/2010
Surrogates								
1,2-Dichloroethane-D4 <surr>	LCS		99	(69-132)				10/05/2010
4-Bromofluorobenzene <surr>	LCS		104	(65-144)				10/05/2010
Toluene-d8 <surr>	LCS		107	(84-124)				10/05/2010

Batch VMS11662
Method SW8260B
Instrument HP 5890 Series II MS5 VLA

SGS Ref.#	993386	Matrix Spike	**Printed Date/Time**	10/08/2010 9:55
	993387	Matrix Spike Duplicate	**Prep Batch**	MXX23597
			Method	Soils/Solids Digest for Metals b
			Date	09/28/2010
Original	1105171003			
Matrix	Soil/Solid (dry weight)			

QC results affect the following production samples:

1106758007

Parameter	Qualifiers		Original Result	QC Result	Pct Recov	MS/MSD Limits	RPD	RPD Limits	Spiked Amount		Analysis Date
Metals by ICP/MS											
Lead		MS	6.87	50.8	83	(80-120)			53.3	mg/Kg	09/29/2010
		MSD		49.5	82		3	(< 20)	52.1	mg/Kg	09/29/2010

Batch	MMS6719
Method	SW6020
Instrument	Perkin Elmer Sciex ICP-MS P4

SGS Ref.#	994127	Matrix Spike	**Printed Date/Time**	10/08/2010	9:55
	994128	Matrix Spike Duplicate	**Prep Batch**		
			Method		
			Date		
Original	994288				
Matrix	Soil/Solid (dry weight)				

QC results affect the following production samples:

1106758007, 1106758009

Parameter	Qualifiers		Original Result	QC Result	Pct Recov	MS/MSD Limits	RPD	RPD Limits	Spiked Amount		Analysis Date
Volatile Fuels Department											
Benzene		MS	ND	938	105	(80-125)			892	ug/Kg	10/01/2010
		MSD		945	106		1	(< 20)	892	ug/Kg	10/01/2010
Ethylbenzene		MS	ND	977	110	(85-125)			892	ug/Kg	10/01/2010
		MSD		990	111		1	(< 20)	892	ug/Kg	10/01/2010
o-Xylene		MS	ND	977	110	(85-125)			892	ug/Kg	10/01/2010
		MSD		988	111		1	(< 20)	892	ug/Kg	10/01/2010
P & M -Xylene		MS	ND	1960	110	(85-125)			1780	ug/Kg	10/01/2010
		MSD		1990	111		1	(< 20)	1780	ug/Kg	10/01/2010
Toluene		MS	ND	952	107	(85-120)			892	ug/Kg	10/01/2010
		MSD		959	108		1	(< 20)	892	ug/Kg	10/01/2010
Surrogates											
1,4-Difluorobenzene <surr>		MS		875	98	(80-120)					10/01/2010
		MSD		875	98		0				10/01/2010

Batch VFC10203
Method SW8021B
Instrument HP 5890 Series II PID+HECD VBA

SGS Ref.#	994506	Matrix Spike	**Printed Date/Time**	10/08/2010 9:55
	994507	Matrix Spike Duplicate	**Prep Batch**	
			Method	
			Date	

Original 1106753005
Matrix Soil/Solid (dry weight)

QC results affect the following production samples:
1106758008

Parameter	Qualifiers		Original Result	QC Result	Pct Recov	MS/MSD Limits	RPD	RPD Limits	Spiked Amount		Analysis Date
Volatile Fuels Department											
Benzene	MS		ND	1527	110	(80-125)			1384	ug/Kg	10/01/2010
	MSD			1475	106		3	(< 20)	1384	ug/Kg	10/01/2010
Ethylbenzene	MS		ND	1591	115	(85-125)			1384	ug/Kg	10/01/2010
	MSD			1539	111		3	(< 20)	1384	ug/Kg	10/01/2010
o-Xylene	MS		ND	1591	115	(85-125)			1384	ug/Kg	10/01/2010
	MSD			1539	111		4	(< 20)	1384	ug/Kg	10/01/2010
P & M -Xylene	MS		ND	3195	116	(85-125)			2768	ug/Kg	10/01/2010
	MSD			3092	112		3	(< 20)	2768	ug/Kg	10/01/2010
Toluene	MS		ND	1552	112	(85-120)			1384	ug/Kg	10/01/2010
	MSD			1501	108		4	(< 20)	1384	ug/Kg	10/01/2010
Surrogates											
1,4-Difluorobenzene <surr>	MS			1371	100	(80-120)					10/01/2010
	MSD			1371	99		0				10/01/2010

Batch VFC10208
Method SW8021B
Instrument HP 5890 Series II PID+HECD VBA

SGS Ref.#	994951	Matrix Spike	**Printed Date/Time**	10/08/2010	9:55
	994952	Matrix Spike Duplicate	**Prep Batch**		
			Method		
			Date		
Original	994950				
Matrix	Solid/Soil (Wet Weight)				

QC results affect the following production samples:

1106758006, 1106758009

Parameter	Qualifiers	Original Result	QC Result	Pct Recov	MS/MSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date

Volatile Gas Chromatography/Mass Spectroscopy

SGS Ref.#	994951	Matrix Spike	**Printed Date/Time**	10/08/2010	9:55
	994952	Matrix Spike Duplicate	**Prep Batch**		
			Method		
			Date		
Original	994950				
Matrix	Solid/Soil (Wet Weight)				

Parameter	Qualifiers	Original Result	QC Result	Pct Recov	MS/MSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
Volatile Gas Chromatography/Mass Spectroscopy									
1,1,1,2-Tetrachloroethane	MS	ND	947	106	(77-123)			895 ug/Kg	10/04/2010
	MSD		968	108		2	(< 20)	895 ug/Kg	10/04/2010
1,1,1-Trichloroethane	MS	ND	603	67*	(77-129)			895 ug/Kg	10/04/2010
	MSD		1050	117		54 *	(< 20)	895 ug/Kg	10/04/2010
1,1,2,2-Tetrachloroethane	MS	ND	973	109	(80-122)			895 ug/Kg	10/04/2010
	MSD		996	111		2	(< 20)	895 ug/Kg	10/04/2010
1,1,2-Trichloroethane	MS	ND	909	102	(85-121)			895 ug/Kg	10/04/2010
	MSD		923	103		2	(< 20)	895 ug/Kg	10/04/2010
1,1-Dichloroethane	MS	ND	550	61*	(81-126)			895 ug/Kg	10/04/2010
	MSD		924	103		51 *	(< 20)	895 ug/Kg	10/04/2010
1,1-Dichloroethene	MS	ND	976	109	(75-125)			895 ug/Kg	10/04/2010
	MSD		1030	116		6	(< 20)	895 ug/Kg	10/04/2010
1,1-Dichloropropene	MS	ND	604	68*	(76-134)			895 ug/Kg	10/04/2010
	MSD		940	105		44 *	(< 20)	895 ug/Kg	10/04/2010
1,2,3-Trichlorobenzene	MS	ND	922	103	(78-124)			895 ug/Kg	10/04/2010
	MSD		1030	116		12	(< 20)	895 ug/Kg	10/04/2010
1,2,3-Trichloropropane	MS	ND	895	100	(77-125)			895 ug/Kg	10/04/2010
	MSD		936	105		4	(< 20)	895 ug/Kg	10/04/2010
1,2,4-Trichlorobenzene	MS	ND	852	95	(77-126)			895 ug/Kg	10/04/2010
	MSD		891	100		5	(< 20)	895 ug/Kg	10/04/2010
1,2,4-Trimethylbenzene	MS	ND	842	94	(85-121)			895 ug/Kg	10/04/2010
	MSD		865	97		3	(< 20)	895 ug/Kg	10/04/2010
1,2-Dibromo-3-chloropropane	MS	ND	965	108	(60-135)			895 ug/Kg	10/04/2010
	MSD		1080	121		11	(< 20)	895 ug/Kg	10/04/2010
1,2-Dibromoethane	MS	ND	936	105	(85-124)			895 ug/Kg	10/04/2010
	MSD		970	108		4	(< 20)	895 ug/Kg	10/04/2010
1,2-Dichlorobenzene	MS	ND	922	103	(88-113)			895 ug/Kg	10/04/2010
	MSD		987	110		7	(< 20)	895 ug/Kg	10/04/2010
1,2-Dichloroethane	MS	ND	937	105	(83-121)			895 ug/Kg	10/04/2010
	MSD		923	103		2	(< 20)	895 ug/Kg	10/04/2010
1,2-Dichloropropane	MS	ND	973	109	(81-120)			895 ug/Kg	10/04/2010
	MSD		940	105		3	(< 20)	895 ug/Kg	10/04/2010
1,3,5-Trimethylbenzene	MS	ND	840	94	(87-120)			895 ug/Kg	10/04/2010
	MSD		879	98		5	(< 20)	895 ug/Kg	10/04/2010
1,3-Dichlorobenzene	MS	ND	933	104	(86-117)			895 ug/Kg	10/04/2010
	MSD		965	108		3	(< 20)	895 ug/Kg	10/04/2010
1,3-Dichloropropane	MS	ND	934	104	(84-123)			895 ug/Kg	10/04/2010
	MSD		997	111		7	(< 20)	895 ug/Kg	10/04/2010
1,4-Dichlorobenzene	MS	ND	927	104	(86-118)			895 ug/Kg	10/04/2010
	MSD		996	111		7	(< 20)	895 ug/Kg	10/04/2010

SGS Ref.#	994951	Matrix Spike	**Printed Date/Time**	10/08/2010	9:55
	994952	Matrix Spike Duplicate	**Prep Batch**		
			Method		
			Date		
Original	994950				
Matrix	Solid/Soil (Wet Weight)				

Parameter	Qualifiers	Original Result	QC Result	Pct Recov	MS/MSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
Volatile Gas Chromatography/Mass Spectroscopy									
2,2-Dichloropropane	MS	ND	964	108	(69-132)			895 ug/Kg	10/04/2010
	MSD		964	108		0	(< 20)	895 ug/Kg	10/04/2010
2-Butanone (MEK)	MS	ND	2810	105	(57-135)			2680 ug/Kg	10/04/2010
	MSD		2600	97		8	(< 20)	2680 ug/Kg	10/04/2010
2-Chlorotoluene	MS	ND	947	106	(81-122)			895 ug/Kg	10/04/2010
	MSD		968	108		2	(< 20)	895 ug/Kg	10/04/2010
2-Hexanone	MS	ND	2590	97	(58-145)			2680 ug/Kg	10/04/2010
	MSD		2680	100		3	(< 20)	2680 ug/Kg	10/04/2010
4-Chlorotoluene	MS	ND	870	97	(84-120)			895 ug/Kg	10/04/2010
	MSD		858	96		1	(< 20)	895 ug/Kg	10/04/2010
4-Isopropyltoluene	MS	ND	825	92	(83-121)			895 ug/Kg	10/04/2010
	MSD		864	97		5	(< 20)	895 ug/Kg	10/04/2010
4-Methyl-2-pentanone (MIBK)	MS	ND	3020	113	(67-135)			2680 ug/Kg	10/04/2010
	MSD		2760	103		9	(< 20)	2680 ug/Kg	10/04/2010
Benzene	MS	ND	968	108	(81-124)			895 ug/Kg	10/04/2010
	MSD		937	105		3	(< 20)	895 ug/Kg	10/04/2010
Bromobenzene	MS	ND	969	108	(86-119)			895 ug/Kg	10/04/2010
	MSD		1000	112		3	(< 20)	895 ug/Kg	10/04/2010
Bromochloromethane	MS	ND	993	111	(79-125)			895 ug/Kg	10/04/2010
	MSD		896	100		10	(< 20)	895 ug/Kg	10/04/2010
Bromodichloromethane	MS	ND	977	109	(81-127)			895 ug/Kg	10/04/2010
	MSD		931	104		5	(< 20)	895 ug/Kg	10/04/2010
Bromoform	MS	ND	956	107	(72-135)			895 ug/Kg	10/04/2010
	MSD		954	107		0	(< 20)	895 ug/Kg	10/04/2010
Bromomethane	MS	ND	975	109	(49-141)			895 ug/Kg	10/04/2010
	MSD		1010	113		3	(< 20)	895 ug/Kg	10/04/2010
Carbon disulfide	MS	ND	1320	98	(58-155)			1340 ug/Kg	10/04/2010
	MSD		1320	98		0	(< 20)	1340 ug/Kg	10/04/2010
Carbon tetrachloride	MS	ND	618	69*	(79-128)			895 ug/Kg	10/04/2010
	MSD		1100	123		56 *	(< 20)	895 ug/Kg	10/04/2010
Chlorobenzene	MS	ND	958	107	(84-121)			895 ug/Kg	10/04/2010
	MSD		977	109		2	(< 20)	895 ug/Kg	10/04/2010
Chloroethane	MS	ND	857	96	(51-141)			895 ug/Kg	10/04/2010
	MSD		897	100		5	(< 20)	895 ug/Kg	10/04/2010
Chloroform	MS	ND	952	106	(77-124)			895 ug/Kg	10/04/2010
	MSD		922	103		3	(< 20)	895 ug/Kg	10/04/2010
Chloromethane	MS	ND	922	103	(54-129)			895 ug/Kg	10/04/2010
	MSD		947	106		3	(< 20)	895 ug/Kg	10/04/2010
cis-1,2-Dichloroethene	MS	ND	927	104	(82-124)			895 ug/Kg	10/04/2010
	MSD		862	96		7	(< 20)	895 ug/Kg	10/04/2010

SGS Ref.#	994951	Matrix Spike	**Printed Date/Time**	10/08/2010 9:55
	994952	Matrix Spike Duplicate	**Prep Batch**	
			Method	
			Date	
Original	994950			
Matrix	Solid/Soil (Wet Weight)			

Parameter	Qualifiers		Original Result	QC Result	Pct Recov	MS/MSD Limits	RPD	RPD Limits	Spiked Amount		Analysis Date
Volatile Gas Chromatography/Mass Spectroscopy											
cis-1,3-Dichloropropene	MS	ND		1100	122	(82-122)			895	ug/Kg	10/04/2010
	MSD			1010	113		8	(< 20)	895	ug/Kg	10/04/2010
Dibromochloromethane	MS	ND		980	110	(84-125)			895	ug/Kg	10/04/2010
	MSD			1000	112		2	(< 20)	895	ug/Kg	10/04/2010
Dibromomethane	MS	ND		1010	113	(80-123)			895	ug/Kg	10/04/2010
	MSD			938	105		8	(< 20)	895	ug/Kg	10/04/2010
Dichlorodifluoromethane	MS	ND		796	89	(43-135)			895	ug/Kg	10/04/2010
	MSD			853	95		7	(< 20)	895	ug/Kg	10/04/2010
Ethylbenzene	MS	ND		995	111	(87-119)			895	ug/Kg	10/04/2010
	MSD			985	110		1	(< 20)	895	ug/Kg	10/04/2010
Hexachlorobutadiene	MS	ND		832	93	(74-124)			895	ug/Kg	10/04/2010
	MSD			841	94		1	(< 20)	895	ug/Kg	10/04/2010
Isopropylbenzene (Cumene)	MS	ND		979	109	(89-121)			895	ug/Kg	10/04/2010
	MSD			979	109		0	(< 20)	895	ug/Kg	10/04/2010
Methylene chloride	MS	ND		839	94	(63-137)			895	ug/Kg	10/04/2010
	MSD			838	94		0	(< 20)	895	ug/Kg	10/04/2010
Methyl-t-butyl ether	MS	ND		1230	92	(76-133)			1340	ug/Kg	10/04/2010
	MSD			1340	100		9	(< 20)	1340	ug/Kg	10/04/2010
Naphthalene	MS	ND		953	107	(73-131)			895	ug/Kg	10/04/2010
	MSD			998	112		5	(< 20)	895	ug/Kg	10/04/2010
n-Butylbenzene	MS	ND		893	100	(82-127)			895	ug/Kg	10/04/2010
	MSD			882	99		1	(< 20)	895	ug/Kg	10/04/2010
n-Propylbenzene	MS	ND		975	109	(82-125)			895	ug/Kg	10/04/2010
	MSD			1010	112		3	(< 20)	895	ug/Kg	10/04/2010
o-Xylene	MS	ND		875	98	(89-120)			895	ug/Kg	10/04/2010
	MSD			914	102		5	(< 20)	895	ug/Kg	10/04/2010
P & M -Xylene	MS	ND		1770	99	(88-121)			1790	ug/Kg	10/04/2010
	MSD			1690	94		5	(< 20)	1790	ug/Kg	10/04/2010
sec-Butylbenzene	MS	ND		838	94	(84-122)			895	ug/Kg	10/04/2010
	MSD			865	97		3	(< 20)	895	ug/Kg	10/04/2010
Styrene	MS	ND		896	100	(91-120)			895	ug/Kg	10/04/2010
	MSD			892	100		1	(< 20)	895	ug/Kg	10/04/2010
tert-Butylbenzene	MS	ND		927	104	(82-122)			895	ug/Kg	10/04/2010
	MSD			960	107		4	(< 20)	895	ug/Kg	10/04/2010
Tetrachloroethene	MS	ND		992	111	(82-125)			895	ug/Kg	10/04/2010
	MSD			975	109		2	(< 20)	895	ug/Kg	10/04/2010
Toluene	MS	ND		976	109	(87-119)			895	ug/Kg	10/04/2010
	MSD			990	111		1	(< 20)	895	ug/Kg	10/04/2010
trans-1,2-Dichloroethene	MS	ND		897	100	(79-125)			895	ug/Kg	10/04/2010
	MSD			888	99		1	(< 20)	895	ug/Kg	10/04/2010

SGS Ref.#	994951	Matrix Spike	**Printed Date/Time**	10/08/2010 9:55
	994952	Matrix Spike Duplicate	**Prep Batch**	
			Method	
			Date	
Original	994950			
Matrix	Solid/Soil (Wet Weight)			

Parameter	Qualifiers		Original Result	QC Result	Pct Recov	MS/MSD Limits	RPD	RPD Limits	Spiked Amount		Analysis Date
Volatile Gas Chromatography/Mass Spectroscopy											
trans-1,3-Dichloropropene	MS	ND		884	99	(86-122)			895	ug/Kg	10/04/2010
	MSD			883	99		0	(< 20)	895	ug/Kg	10/04/2010
Trichloroethene	MS	ND		925	103	(77-124)			895	ug/Kg	10/04/2010
	MSD			913	102		1	(< 20)	895	ug/Kg	10/04/2010
Trichlorofluoromethane	MS	ND		878	98	(64-139)			895	ug/Kg	10/04/2010
	MSD			934	104		6	(< 20)	895	ug/Kg	10/04/2010
Vinyl chloride	MS	ND		911	102	(67-125)			895	ug/Kg	10/04/2010
	MSD			945	106		4	(< 20)	895	ug/Kg	10/04/2010
Xylenes (total)	MS	ND		2640	98	(89-120)			2680	ug/Kg	10/04/2010
	MSD			2600	97		2	(< 20)	2680	ug/Kg	10/04/2010
Surrogates											
1,2-Dichloroethane-D4 <surr>	MS			857	96	(69-132)					10/04/2010
	MSD			913	102		6				10/04/2010
4-Bromofluorobenzene <surr>	MS			1730	90	(65-144)					10/04/2010
	MSD			1790	93		3				10/04/2010
Toluene-d8 <surr>	MS			950	106	(84-124)					10/04/2010
	MSD			954	107		1				10/04/2010

Batch VMS11659
Method SW8260B
Instrument HP 5890 Series II MS5 VLA

SGS Ref.#	994976	Matrix Spike	**Printed Date/Time**	10/08/2010 9:55
	994977	Matrix Spike Duplicate	**Prep Batch**	MXX23621
			Method	3010 H20 Digest for Metals ICI
			Date	10/04/2010
Original	1105187003			
Matrix	Water (Surface, Eff., Ground)			

QC results affect the following production samples:

1106758001

Parameter	Qualifiers	Original Result	QC Result	Pct Recov	MS/MSD Limits	RPD	RPD Limits	Spiked Amount		Analysis Date
Metals by ICP/MS										
Lead	MS	ND	982	98	(80-120)			1000	ug/L	10/07/2010
	MSD		1000	100		2	(< 15)	1000	ug/L	10/07/2010

Batch	MMS6736
Method	SW6020
Instrument	Perkin Elmer Sciex ICP-MS P3

SGS Ref.#	995194	Matrix Spike	**Printed Date/Time**	10/08/2010	9:55
	995195	Matrix Spike Duplicate	**Prep Batch**		
			Method		
			Date		
Original	995188				
Matrix	Solid/Soil (Wet Weight)				

QC results affect the following production samples:

1106758006, 1106758007

Parameter	Qualifiers	Original Result	QC Result	Pct Recov	MS/MSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date

Volatile Gas Chromatography/Mass Spectroscopy

SGS Ref.#	995194	Matrix Spike	**Printed Date/Time**	10/08/2010	9:55
	995195	Matrix Spike Duplicate	**Prep Batch**		
			Method		
			Date		
Original	995188				
Matrix	Solid/Soil (Wet Weight)				

Parameter	Qualifiers		Original Result	QC Result	Pct Recov	MS/MSD Limits	RPD	RPD Limits	Spiked Amount		Analysis Date
Volatile Gas Chromatography/Mass Spectroscopy											
1,1,1,2-Tetrachloroethane	MS	ND		1300	118	(77-123)			1100	ug/Kg	10/05/2010
	MSD			1190	108		9	(< 20)	1100	ug/Kg	10/05/2010
1,1,1-Trichloroethane	MS	ND		1230	111	(77-129)			1100	ug/Kg	10/05/2010
	MSD			1230	111		0	(< 20)	1100	ug/Kg	10/05/2010
1,1,2,2-Tetrachloroethane	MS	ND		1190	108	(80-122)			1100	ug/Kg	10/05/2010
	MSD			1120	101		6	(< 20)	1100	ug/Kg	10/05/2010
1,1,2-Trichloroethane	MS	ND		1220	111	(85-121)			1100	ug/Kg	10/05/2010
	MSD			1090	99		11	(< 20)	1100	ug/Kg	10/05/2010
1,1-Dichloroethane	MS	ND		1070	97	(81-126)			1100	ug/Kg	10/05/2010
	MSD			1090	99		1	(< 20)	1100	ug/Kg	10/05/2010
1,1-Dichloroethene	MS	ND		1080	98	(75-125)			1100	ug/Kg	10/05/2010
	MSD			1160	105		7	(< 20)	1100	ug/Kg	10/05/2010
1,1-Dichloropropene	MS	ND		1250	113	(76-134)			1100	ug/Kg	10/05/2010
	MSD			1170	106		6	(< 20)	1100	ug/Kg	10/05/2010
1,2,3-Trichlorobenzene	MS	ND		1140	103	(78-124)			1100	ug/Kg	10/05/2010
	MSD			1040	95		8	(< 20)	1100	ug/Kg	10/05/2010
1,2,3-Trichloropropane	MS	ND		1150	105	(77-125)			1100	ug/Kg	10/05/2010
	MSD			1030	93		11	(< 20)	1100	ug/Kg	10/05/2010
1,2,4-Trichlorobenzene	MS	ND		1020	93	(77-126)			1100	ug/Kg	10/05/2010
	MSD			958	87		6	(< 20)	1100	ug/Kg	10/05/2010
1,2,4-Trimethylbenzene	MS	ND		1060	96	(85-121)			1100	ug/Kg	10/05/2010
	MSD			980	89		7	(< 20)	1100	ug/Kg	10/05/2010
1,2-Dibromo-3-chloropropane	MS	ND		943	86	(60-135)			1100	ug/Kg	10/05/2010
	MSD			993	90		5	(< 20)	1100	ug/Kg	10/05/2010
1,2-Dibromoethane	MS	ND		1250	114	(85-124)			1100	ug/Kg	10/05/2010
	MSD			1180	107		6	(< 20)	1100	ug/Kg	10/05/2010
1,2-Dichlorobenzene	MS	ND		1170	106	(88-113)			1100	ug/Kg	10/05/2010
	MSD			1120	102		5	(< 20)	1100	ug/Kg	10/05/2010
1,2-Dichloroethane	MS	ND		1170	106	(83-121)			1100	ug/Kg	10/05/2010
	MSD			1150	104		2	(< 20)	1100	ug/Kg	10/05/2010
1,2-Dichloropropane	MS	ND		1240	112	(81-120)			1100	ug/Kg	10/05/2010
	MSD			1160	105		6	(< 20)	1100	ug/Kg	10/05/2010
1,3,5-Trimethylbenzene	MS	ND		1090	99	(87-120)			1100	ug/Kg	10/05/2010
	MSD			1050	95		4	(< 20)	1100	ug/Kg	10/05/2010
1,3-Dichlorobenzene	MS	ND		1210	110	(86-117)			1100	ug/Kg	10/05/2010
	MSD			1080	98		12	(< 20)	1100	ug/Kg	10/05/2010
1,3-Dichloropropane	MS	ND		1190	108	(84-123)			1100	ug/Kg	10/05/2010
	MSD			1120	102		6	(< 20)	1100	ug/Kg	10/05/2010
1,4-Dichlorobenzene	MS	ND		1210	110	(86-118)			1100	ug/Kg	10/05/2010
	MSD			1140	104		6	(< 20)	1100	ug/Kg	10/05/2010

SGS Ref.#	995194	Matrix Spike	**Printed Date/Time**	10/08/2010	9:55
	995195	Matrix Spike Duplicate	**Prep Batch**		
			Method		
			Date		
Original	995188				
Matrix	Solid/Soil (Wet Weight)				

Parameter	Qualifiers		Original Result	QC Result	Pct Recov	MS/MSD Limits	RPD	RPD Limits	Spiked Amount		Analysis Date
Volatile Gas Chromatography/Mass Spectroscopy											
2,2-Dichloropropane	MS	ND		1200	109	(69-132)			1100	ug/Kg	10/05/2010
	MSD			1180	107		2	(< 20)	1100	ug/Kg	10/05/2010
2-Butanone (MEK)	MS	ND		3140	95	(57-135)			3310	ug/Kg	10/05/2010
	MSD			3110	94		1	(< 20)	3310	ug/Kg	10/05/2010
2-Chlorotoluene	MS	ND		1220	111	(81-122)			1100	ug/Kg	10/05/2010
	MSD			1150	104		6	(< 20)	1100	ug/Kg	10/05/2010
2-Hexanone	MS	ND		2970	90	(58-145)			3310	ug/Kg	10/05/2010
	MSD			3070	93		3	(< 20)	3310	ug/Kg	10/05/2010
4-Chlorotoluene	MS	ND		1120	102	(84-120)			1100	ug/Kg	10/05/2010
	MSD			1020	93		9	(< 20)	1100	ug/Kg	10/05/2010
4-Isopropyltoluene	MS	ND		1050	96	(83-121)			1100	ug/Kg	10/05/2010
	MSD			987	90		7	(< 20)	1100	ug/Kg	10/05/2010
4-Methyl-2-pentanone (MIBK)	MS	ND		3470	105	(67-135)			3310	ug/Kg	10/05/2010
	MSD			3530	107		2	(< 20)	3310	ug/Kg	10/05/2010
Benzene	MS	ND		1240	113	(81-124)			1100	ug/Kg	10/05/2010
	MSD			1190	108		4	(< 20)	1100	ug/Kg	10/05/2010
Bromobenzene	MS	ND		1220	110	(86-119)			1100	ug/Kg	10/05/2010
	MSD			1190	108		2	(< 20)	1100	ug/Kg	10/05/2010
Bromochloromethane	MS	ND		1170	106	(79-125)			1100	ug/Kg	10/05/2010
	MSD			1170	106		0	(< 20)	1100	ug/Kg	10/05/2010
Bromodichloromethane	MS	ND		1220	111	(81-127)			1100	ug/Kg	10/05/2010
	MSD			1190	108		3	(< 20)	1100	ug/Kg	10/05/2010
Bromoform	MS	ND		1320	120	(72-135)			1100	ug/Kg	10/05/2010
	MSD			1200	109		10	(< 20)	1100	ug/Kg	10/05/2010
Bromomethane	MS	ND		1180	107	(49-141)			1100	ug/Kg	10/05/2010
	MSD			1170	106		1	(< 20)	1100	ug/Kg	10/05/2010
Carbon disulfide	MS	ND		1420	86	(58-155)			1650	ug/Kg	10/05/2010
	MSD			1440	87		2	(< 20)	1650	ug/Kg	10/05/2010
Carbon tetrachloride	MS	ND		1300	118	(79-128)			1100	ug/Kg	10/05/2010
	MSD			1340	121		3	(< 20)	1100	ug/Kg	10/05/2010
Chlorobenzene	MS	ND		1280	116	(84-121)			1100	ug/Kg	10/05/2010
	MSD			1170	106		9	(< 20)	1100	ug/Kg	10/05/2010
Chloroethane	MS	ND		1170	106	(51-141)			1100	ug/Kg	10/05/2010
	MSD			1100	99		7	(< 20)	1100	ug/Kg	10/05/2010
Chloroform	MS	ND		1120	101	(77-124)			1100	ug/Kg	10/05/2010
	MSD			1090	99		2	(< 20)	1100	ug/Kg	10/05/2010
Chloromethane	MS	ND		1100	100	(54-129)			1100	ug/Kg	10/05/2010
	MSD			1090	98		1	(< 20)	1100	ug/Kg	10/05/2010
cis-1,2-Dichloroethene	MS	ND		1160	105	(82-124)			1100	ug/Kg	10/05/2010
	MSD			1080	98		7	(< 20)	1100	ug/Kg	10/05/2010

SGS Ref.#	995194	Matrix Spike	**Printed Date/Time**	10/08/2010 9:55
	995195	Matrix Spike Duplicate	**Prep Batch**	
			Method	
			Date	
Original	995188			
Matrix	Solid/Soil (Wet Weight)			

Parameter	Qualifiers	Original Result	QC Result	Pct Recov	MS/MSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
Volatile Gas Chromatography/Mass Spectroscopy									
cis-1,3-Dichloropropene	MS	ND	1300	118	(82-122)			1100 ug/Kg	10/05/2010
	MSD		1260	114		4	(< 20)	1100 ug/Kg	10/05/2010
Dibromochloromethane	MS	ND	1280	116	(84-125)			1100 ug/Kg	10/05/2010
	MSD		1210	110		6	(< 20)	1100 ug/Kg	10/05/2010
Dibromomethane	MS	ND	1230	112	(80-123)			1100 ug/Kg	10/05/2010
	MSD		1180	107		4	(< 20)	1100 ug/Kg	10/05/2010
Dichlorodifluoromethane	MS	ND	1170	106	(43-135)			1100 ug/Kg	10/05/2010
	MSD		1200	109		3	(< 20)	1100 ug/Kg	10/05/2010
Ethylbenzene	MS	ND	1280	116	(87-119)			1100 ug/Kg	10/05/2010
	MSD		1210	110		6	(< 20)	1100 ug/Kg	10/05/2010
Hexachlorobutadiene	MS	ND	1270	115	(74-124)			1100 ug/Kg	10/05/2010
	MSD		1090	98		16	(< 20)	1100 ug/Kg	10/05/2010
Isopropylbenzene (Cumene)	MS	ND	1250	113	(89-121)			1100 ug/Kg	10/05/2010
	MSD		1220	111		2	(< 20)	1100 ug/Kg	10/05/2010
Methylene chloride	MS	ND	933	85	(63-137)			1100 ug/Kg	10/05/2010
	MSD		979	89		5	(< 20)	1100 ug/Kg	10/05/2010
Methyl-t-butyl ether	MS	ND	1570	95	(76-133)			1650 ug/Kg	10/05/2010
	MSD		1540	93		2	(< 20)	1650 ug/Kg	10/05/2010
Naphthalene	MS	ND	1080	98	(73-131)			1100 ug/Kg	10/05/2010
	MSD		1030	93		5	(< 20)	1100 ug/Kg	10/05/2010
n-Butylbenzene	MS	ND	1130	103	(82-127)			1100 ug/Kg	10/05/2010
	MSD		1060	96		7	(< 20)	1100 ug/Kg	10/05/2010
n-Propylbenzene	MS	ND	1210	109	(82-125)			1100 ug/Kg	10/05/2010
	MSD		1140	103		6	(< 20)	1100 ug/Kg	10/05/2010
o-Xylene	MS	ND	1140	104	(89-120)			1100 ug/Kg	10/05/2010
	MSD		1070	97		7	(< 20)	1100 ug/Kg	10/05/2010
P & M -Xylene	MS	ND	2350	106	(88-121)			2210 ug/Kg	10/05/2010
	MSD		2150	97		9	(< 20)	2210 ug/Kg	10/05/2010
sec-Butylbenzene	MS	ND	1100	99	(84-122)			1100 ug/Kg	10/05/2010
	MSD		1010	91		8	(< 20)	1100 ug/Kg	10/05/2010
Styrene	MS	ND	1150	105	(91-120)			1100 ug/Kg	10/05/2010
	MSD		1090	99		6	(< 20)	1100 ug/Kg	10/05/2010
tert-Butylbenzene	MS	ND	1120	101	(82-122)			1100 ug/Kg	10/05/2010
	MSD		1120	101		0	(< 20)	1100 ug/Kg	10/05/2010
Tetrachloroethene	MS	ND	1330	120	(82-125)			1100 ug/Kg	10/05/2010
	MSD		1250	113		6	(< 20)	1100 ug/Kg	10/05/2010
Toluene	MS	23.5J	1290	115	(87-119)			1100 ug/Kg	10/05/2010
	MSD		1220	108		6	(< 20)	1100 ug/Kg	10/05/2010
trans-1,2-Dichloroethene	MS	ND	1080	98	(79-125)			1100 ug/Kg	10/05/2010
	MSD		1090	99		1	(< 20)	1100 ug/Kg	10/05/2010

SGS Ref.#	995194	Matrix Spike	**Printed Date/Time**	10/08/2010 9:55
	995195	Matrix Spike Duplicate	**Prep Batch**	
			Method	
			Date	
Original	995188			
Matrix	Solid/Soil (Wet Weight)			

Parameter	Qualifiers		Original Result	QC Result	Pct Recov	MS/MSD Limits	RPD	RPD Limits	Spiked Amount		Analysis Date
Volatile Gas Chromatography/Mass Spectroscopy											
trans-1,3-Dichloropropene	MS	ND		1110	100	(86-122)			1100	ug/Kg	10/05/2010
	MSD			1080	98		3	(< 20)	1100	ug/Kg	10/05/2010
Trichloroethene	MS	ND		1180	107	(77-124)			1100	ug/Kg	10/05/2010
	MSD			1120	101		5	(< 20)	1100	ug/Kg	10/05/2010
Trichlorofluoromethane	MS	ND		1160	105	(64-139)			1100	ug/Kg	10/05/2010
	MSD			1170	106		1	(< 20)	1100	ug/Kg	10/05/2010
Vinyl chloride	MS	ND		1130	103	(67-125)			1100	ug/Kg	10/05/2010
	MSD			1180	107		4	(< 20)	1100	ug/Kg	10/05/2010
Xylenes (total)	MS	ND		3490	105	(89-120)			3310	ug/Kg	10/05/2010
	MSD			3210	97		8	(< 20)	3310	ug/Kg	10/05/2010
Surrogates											
1,2-Dichloroethane-D4 <surr>	MS			1070	97	(69-132)					10/05/2010
	MSD			1080	98		1				10/05/2010
4-Bromofluorobenzene <surr>	MS			2530	86	(65-144)					10/05/2010
	MSD			2330	79		8				10/05/2010
Toluene-d8 <surr>	MS			1270	115	(84-124)					10/05/2010
	MSD			1170	106		8				10/05/2010

Batch VMS11662
Method SW8260B
Instrument HP 5890 Series II MS5 VLA

1106758

Long, Alesha (Anchorage)

From: Beene, Carmon R (Anchorage)
Sent: Thursday, September 30, 2010 10:00 AM
To: Long, Alesha (Anchorage)
Subject: WO 1106758

Per client use the 4oz amber from sample 7 for the percent solids analysis for sample 8

Carmon Beene
Environmental Services Alaska Division
Project Manager

SGS - North America
3180 Peger Rd Ste. 190
Fairbanks AK 99701
Phone: (907) 474-8656
Mobile: (907) 322-8444
Fax: (907) 474-9685
Email: Carmon.Beene@sgs.com

SGS

SC 1106758 C.
CHAI ORD

Locations Nationwide
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• New Jersey • New York
• North Carolina • Indiana
• West Virginia • Kentucky
www.us.sgs.com

(1) CLIENT: ~~KMI~~ CMT

CONTACT: DOUG DUSEK PHONE NO: 452-5688

PROJECT NAME: ~~AS~~ 10-1088 PROJECT/ PWSID/ PERMIT# :

REPORTS TO: DOUG DUSEK EMAIL: ddusek@nortechengr.com

INVOICE TO: NORTECH QUOTE #: P.O. #:

SGS Reference #: page ____ of ____

(2)

RESERVED for lab use	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX/ MATRIX CODE	# CONTAINERS	SAMPLE TYPE C= COMP G= GRAB MI= Multi Incremental Samples	Preservatives Used	Analysis Required (3) GRO/BTEX	VOCs 8260	METAL LEAD 6010	LEAD IN SOIL	REMARKS/ LOC ID
(1) A-G	MW-1	9/24/10	1:30 p	W				✓	✓	✓		
(2) A-C	MW-2	9/24/10	1:40 p	W				✓				
(3) |	MW-3	9/24/10	1:45 p	W				✓				
(4) |	MW-4	9/24/10	1:20 p	W				✓				
(5) V	TRIP BLANK							✓				
(9) A	TRIP BLANK								✓			
(6) A	SP1-1	9/24/10	1:30 p	S				✓				
(7) A-D	SP2-3	9/24/10	2:00 p	S				✓	✓		✓	
(8) A	DUP	9/24/10	1:15	S				✓				

(5)

Collected/Relinquished By:(1)	Date	Time	Received By:
	9/24/10	4:20	9-24-10 21620
Relinquished By: (2)	Date	Time	Received By:
	9-24-10	1630	
Relinquished By: (3)	Date	Time	Received By:
Relinquished By: (4)	Date	Time	Received For Laboratory By:
			Katherine Bauer 9/25/10 1200

(4)

DOD Project? YES NO

Cooler ID _____

Data Deliverable Requirements:

Requested Turnaround Time and-or Special Instructions:

Temperature Blank °C: 4.9

ID 205 or Ambient [ ]

(See attached Sample Receipt Form)

Chain of Custody Seal: (Circle)

INTACT BROKEN ABSENT

(See attached Sample Receipt Form)

SGS

1106758

SAMPLE RECEIPT FORM

Review Criteria:	Condition:	Comments/Action Taken:
Were **custody seals** intact? Note # & location, if applicable. COC accompanied samples?	Yes No (N/A) (Yes) No N/A	
Temperature blank compliant* (i.e., 0-6°C after correction factor)? * ***Note: Exemption permitted for chilled samples collected less than 8 hours ago.*** Cooler ID: 1 @ 4.9 w/ Therm.ID: 205 Cooler ID: _____ @ _____ w/ Therm.ID: _____ Cooler ID: _____ @ _____ w/ Therm.ID: _____ Cooler ID: _____ @ _____ w/ Therm.ID: _____ Cooler ID: _____ @ _____ w/ Therm.ID: _____ ***Note: If non-compliant, use form FS-0029 to document affected samples/analyses.*** If samples are received without a temperature blank, the "cooler temperature" will be documented in lieu of the temperature blank & "**COOLER TEMP**" will be noted to the right. In cases where neither a temp blank nor cooler temp can be obtained, note "ambient" or "chilled." **If temperature(s) <0°C, were all sample containers ice free?**	(Yes) No N/A Yes No (N/A)	
Delivery method (specify all that apply): (Client) USPS Alert Courier Road Runner AK Air Lynden Carlile ERA PenAir FedEx UPS NAC Other:	Note airbill/tracking # See Attached (or N/A)	
→ For samples received with payment, note amount ($) and cash / check / CC (circle one). (N/A) → For samples received in FBKS, ANCH staff will verify all criteria are reviewed.	SRF Initiated by: JD N/A	
Do samples **match COC*** (i.e., sample IDs, dates/times collected)? * ***Note: Exemption permitted if collection times differ by less than an hour; in which case, the times on the COC will be used.*** Are analyses requested unambiguous?	(Yes) No N/A (Yes) No N/A	
Were samples in **good condition** (no leaks/cracks/breakage)? Packing material used (specify all that apply): (Bubble Wrap) Separate plastic bags Vermiculite Other:	(Yes) No N/A	
Were all VOA vials **free of headspace** (i.e., bubbles ≤6 mm)? Were all soil VOAs **field extracted** with MeOH+BFB? Were the bottles provided by SGS? (Note apparent exceptions.)	Yes No N/A (Yes) No (N/A) JD	
Were **proper containers** (type/mass/volume/preservative*) used? * ***Note: Exemption permitted for waters to be analyzed for metals.*** Were **Trip Blanks** (i.e., VOAs, LL-Hg) in cooler with samples?	KMB 9/25/10 (Yes) No N/A (Yes) No N/A	*no percent solid jars for (6)+(5).
For preserved waters (other than VOA vials, LL-Mercury or microbiological analyses), was **pH verified and compliant**? If pH was adjusted, were bottles flagged (i.e., stickers)? ***Refer to attached bottle sheet (form F066) for documentation.***	(Yes) No N/A Yes No (N/A)	
For **RUSH** or **SHORT HOLD TIME** samples, were the COC & this SRF flagged, bottles flagged (e.g., stickers) and lab notified?	Yes No (N/A)	
For client requested, **site-specific QC** (e.g., MS/MSD/DUP), were bottles flagged (e.g., stickers) and numbered accordingly?	Yes No (N/A)	
For **special handling** (e.g., "MI" or foreign soils, lab filter, limited volume, Ref Lab), were bottles/paperwork flagged (e.g., sticker)?	Yes No (N/A)	
Was the WO# recorded in Front Counter/Sample Receiving log? **For any question answered "No," has the PM been notified and the problem resolved (or paperwork put in their bin)?**	(Yes) No N/A (Yes) No N/A	SRF Completed by: KMB Bottle Sheet by: KMB PM = Forest N/A
Was **PEER REVIEW** of sample numbering completed (i.e., compare WO# on containers to COC, container ID on containers to COC, unique lab ID on each container?)	(Yes) No N/A	Peer Reviewed by: VYY 9/25/10 14:45 Metrics:
Additional notes (if applicable):		

SGS

1106758

SAMPLE RECEIPT FORM FOR TRANSFERS

Note: This form is to be completed by Anchorage Sample Receiving staff for all shipments received at SGS-Anchorage from SGS-Fairbanks.

Were samples received numbered with all criteria on Sample Receipt Form F0004 documented by Fairbanks Sample Receiving staff? If "No," ***Anchorage Sample Receiving staff must complete the receiving process & document pH verification, sample condition, etc. on the SRF initiated by Fairbanks staff*** (attached).	Yes (No) N/A	Use space below for additional notes…

Review Criteria:	Condition:	Comments/Action Taken:
Were **custody seals** intact? Note # & location: COC accompanied samples?	(Yes) No N/A (Yes) No N/A	2(1F, 1B)
Temperature blank compliant (i.e., 0-6°C after correction factor)? Cooler ID: 1 @ 0.2 w/ Therm.ID: 201 Cooler ID: _____ @ _____ w/ Therm.ID: _____ Cooler ID: _____ @ _____ w/ Therm.ID: _____ Cooler ID: _____ @ _____ w/ Therm.ID: _____ Cooler ID: _____ @ _____ w/ Therm.ID: _____ ***Note: If non-compliant, use form FS-0029 to document affected samples/analyses.*** If samples are received without a temperature blank, the "cooler temperature" will be documented in lieu of the temperature blank & "**COOLER TEMP** will be noted to the right. In cases where neither a temp blank nor cooler temp can be obtained, note "ambient" or "chilled." **If temperature(s) <0°C, were all containers ice free?**	(Yes) No N/A Yes No (N/A)	
Delivery method: (Lynden) Other:		
Completed by: Katherine Bauer 9/25/10 1200		

SGS

1106758

SAMPLE RECEIPT FORM

Review Criteria:	Condition:	Comments/Action Taken:
Were **custody seals** intact? Note # & location, if applicable. COC accompanied samples?	Yes No (N/A) (Yes) No N/A	
Temperature blank compliant* (i.e., 0-6°C after correction factor)? * *Note: Exemption permitted for chilled samples collected less than 8 hours ago.* Cooler ID: 1 @ 4.9 w/ Therm.ID: 205 Cooler ID: _____ @ _____ w/ Therm.ID: _____ Cooler ID: _____ @ _____ w/ Therm.ID: _____ Cooler ID: _____ @ _____ w/ Therm.ID: _____ Cooler ID: _____ @ _____ w/ Therm.ID: _____ *Note: If non-compliant, use form FS-0029 to document affected samples/analyses.* If samples are received without a temperature blank, the "cooler temperature" will be documented in lieu of the temperature blank & "**COOLER TEMP**" will be noted to the right. In cases where neither a temp blank nor cooler temp can be obtained, note "ambient" or "chilled." **If temperature(s) <0°C, were all sample containers ice free?**	(Yes) No N/A Yes No (N/A)	
Delivery method (specify all that apply): (Client) USPS Alert Courier Road Runner AK Air Lynden Carlile ERA PenAir FedEx UPS NAC Other:	Note airbill/tracking # See Attached or N/A	
→ For samples received with payment, note amount ($) and cash / check / CC (circle one).		N/A
→ For samples received in FBKS, ANCH staff will verify all criteria are reviewed.	SRF Initiated by: JD	N/A
Do samples **match COC*** (i.e., sample IDs, dates/times collected)? * *Note: Exemption permitted if collection times differ by less than an hour; in which case, the times on the COC will be used.* Are analyses requested unambiguous?	Yes (No) N/A (Yes) No N/A	Date is "10/32/" on jar
Were samples in **good condition** (no leaks/cracks/breakage)? Packing material used (specify all that apply): (Bubble Wrap) Separate plastic bags Vermiculite Other:	(Yes) No N/A	
Were all VOA vials **free of headspace** (i.e., bubbles ≤6 mm)? Were all soil VOAs **field extracted** with MeOH+BFB? Were the bottles provided by SGS? (Note apparent exceptions.)	Yes No N/A (Yes) No (N/A) JD	
Were **proper containers** (type/mass/volume/preservative*) used? * *Note: Exemption permitted for waters to be analyzed for metals.* Were **Trip Blanks** (i.e., VOAs, LL-Hg) in cooler with samples?	(Yes) No N/A (Yes) No N/A	
For preserved waters (other than VOA vials, LL-Mercury or microbiological analyses), was **pH verified and compliant**? If pH was adjusted, were bottles flagged (i.e., stickers)? *Refer to attached bottle sheet (form F066) for documentation.*	Yes No (N/A) Yes No (N/A)	
For **RUSH** or **SHORT HOLD TIME** samples, were the COC & this SRF flagged, bottles flagged (e.g., stickers) and lab notified?	Yes No (N/A)	
For client requested, **site-specific QC** (e.g., MS/MSD/DUP), were bottles flagged (e.g., stickers) and numbered accordingly?	Yes No (N/A)	
For **special handling** (e.g., "MI" or foreign soils, lab filter, limited volume, Ref Lab), were bottles/paperwork flagged (e.g., sticker)?	Yes No (N/A)	
Was the WO# recorded in Front Counter/Sample Receiving log? **For any question answered "No," has the PM been notified and the problem resolved (or paperwork put in their bin)?**	(Yes) No N/A (Yes) No N/A	SRF Completed by: Bottle Sheet by: PM = N/A
Was **PEER REVIEW** of sample numbering completed (i.e., compare WO# on containers to COC, container ID on containers to COC, unique lab ID on each container?)	Yes No N/A	Peer Reviewed by: TAT Metrics: 1414
Additional notes (if applicable): 0/0 solids jar received for sample SP1-1 9b0 1130am Wgt lb=.7 PBx71D		

SGS

SC 1106758
CHAI ORD

Locations Nationwide
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• New Jersey • New York
• North Carolina • Indiana
• West Virginia • Kentucky
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(1)

CLIENT: KMI CMF

CONTACT: DOUG DUSEK PHONE NO: 452-5688

PROJECT NAME: ~~AS~~ 10-1088 PROJECT/ PWSID/ PERMIT# :

REPORTS TO: DOUG DUSEK EMAIL: ddusek@nortechengr.com

INVOICE TO: NORTECH QUOTE #:

P.O. #:

SGS Reference #:

page ____ of ____

(2)

RESERVED for lab use	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX/ MATRIX CODE	# CONTAINERS	SAMPLE TYPE C= COMP G= GRAB MI= Multi Incremental Samples	Preservatives Used	Analysis Required (3) GRO/BTEX	VOCs 8260	HEADL HEAD GRO	LEAD IN SOIL	REMARKS/ LOC ID
	MW-1	9/24/10	1:30p	W				✓	✓	✓		
	MW-2	9/24/10	1:40p	W				✓				
	MW-3	9/24/10	1:45p	W				✓				
	MW-4	9/24/10	1:20p	W				✓				
	TRIP BLANK							✓				
	TRIP BLANK								✓			
BOB	SP1-1	9/24/10	1:30p	S				✓				
	SP2-3	9/24/10	2:00p	S				✓	✓		✓	
	DUP	9/24/10	1:15	S				✓				

(5)

Collected/Relinquished By:(1)	Date	Time	Received By:
	9/24/10	4:20	9-24-10 21620
Relinquished By: (2)	Date	Time	Received By:
	9-24-10	16:30	
Relinquished By: (3)	Date	Time	Received By:
Relinquished By: (4)	Date	Time	Received For Laboratory By:
			9/24/10 2400

(4)

DOD Project? YES NO

Cooler ID _____

Data Deliverable Requirements:

Requested Turnaround Time and-or Special Instructions:

Temperature Blank °C: 4.9

ID 205 or Ambient [ ]

(See attached Sample Receipt Form)

Chain of Custody Seal: (Circle)

INTACT BROKEN ABSENT

(See attached Sample Receipt Form)

SGS

SGS WO# 1106758

SAMPLE RECEIPT FORM FOR TRANSFERS

Note: This form is to be completed by Anchorage Sample Receiving staff for all shipments received at SGS-Anchorage from SGS-Fairbanks.

Were samples received numbered with all criteria on Sample Receipt Form F0004 documented by Fairbanks Sample Receiving staff? If "No," ***Anchorage Sample Receiving staff must complete the receiving process & document pH verification, sample condition, etc. on the SRF initiated by Fairbanks staff*** (attached).	Yes (No) N/A	Use space below for additional notes…

Review Criteria:	Condition:	Comments/Action Taken:
Were **custody seals** intact? Note # & location: COC accompanied samples?	(Yes) No N/A Yes No N/A	1F, 1B
Temperature blank compliant (i.e., 0-6°C after correction factor)? Cooler ID: 1 @ 2.3 w/ Therm.ID: 135 Cooler ID: _____ @ _____ w/ Therm.ID: _____ Cooler ID: _____ @ _____ w/ Therm.ID: _____ Cooler ID: _____ @ _____ w/ Therm.ID: _____ Cooler ID: _____ @ _____ w/ Therm.ID: _____ ***Note: If non-compliant, use form FS-0029 to document affected samples/analyses.*** If samples are received without a temperature blank, the "cooler temperature" will be documented in lieu of the temperature blank & "**COOLER TEMP** will be noted to the right. In cases where neither a temp blank nor cooler temp can be obtained, note "ambient" or "chilled." **If temperature(s) <0°C, were all containers ice free?**	Yes No N/A Yes No (N/A)	
Delivery method: (Lynden) Other:		
Completed by:		

WO# (7 digits)	Sample # - Sample #	Container ID - Container ID	Matrix	QC	Preservative (CHECKED)	TEST GROUP	PRINT LABELS	Notes: ANOMALIES - *e.g., preservative added* or SPECIAL HANDLING - *e.g., Multi-Incremental (MI), Field Filter (FF), Lab Filter (LF), use "same jar as" (SJA) for QC, 2xMeOH, bubbles, etc.*
SAMPLE ID			TYPE		CONTAINERS	ANALYSIS		Type comments below:
1106758	001 001	A F	1 Water		HCl * VOA or LL-Hg *	W_GRO/VOA		
1106758	001 001	G G	1 Water		HNO3 (pH <2)	W_Metals_Total/Diss.		
1106758	002 004	A C	1 Water		HCl * VOA or LL-Hg *	W_GRO/VOA		
1106758	005 005	A C	1 Water	Trip Blank	HCl * VOA or LL-Hg *	W_GRO/VOA		
1106758	006 006	A A	2 Soil		MeOH+BFB *	S_GRO/VOC		
1106758	006 006	B B	2 Soil		N/A	S_Weigh_Out		
1106758	007 007	A A	2 Soil		N/A	S_Weigh_Out		
1106758	007 007	B B	2 Soil		MeOH+BFB *	S_GRO/VOC		
1106758	007 007	C D	2 Soil		MeOH+BFB *	S_GRO/VOC		**extra volume**
1106758	008 008	A A	2 Soil		MeOH+BFB *	S_GRO/VOC		
1106758	009 009	A A	2 Soil	Trip Blank	MeOH+BFB *	S_GRO/VOC		

SGS North America Inc.
Alaska Division
Level II Laboratory Data Report

Project:	CMI 10-1088
Client:	Nortech
SGS Work Order:	1106758

Released by: Stephen C. Ede

Alaska Division Technical Director

Stephen Ede
2010.10.11
10:36:16 -08'00'

Contents (Bookmarked in PDF):

Case Narrative

Client	NORTECH	Nortech	**Printed Date/Time**	10/8/2010	9:55
Workorder	1106758	CMI 10-1088			

Sample ID **Client Sample ID**

Refer to the sample receipt form for information on sample condition.

1106758001 **PS** **MW-1**

AK101 - BFB (surrogate) recovery does not meet QC criteria (biased high) due to matrix interference.

1106758004 **PS** **MW-4**

AK101 - BFB (surrogate) recovery does not meet QC criteria (biased high) due to matrix interference.

993933 ***LCS** **LCS for HBN 862080 [VXX/21418]**

8260B - LCS recovery for dichlorodifluoromethane and chloromethane does not meet QC criteria (biased high). These analytes were not detected above the LOQ in the associated samples.

993934 ***LCSD** **LCSD for HBN 862080 [VXX/21418**

8260B - LCSD recovery for chloromethane does not meet QC criteria (biased high). This analyte was not detected above the LOQ in the associated samples.

993936 ***CCV** **CCV for HBN 862081 [VMS/11647]**

8260B - CCV recovery for multiple analytes does not meet QC criteria (biased high). These analytes were not detected above the LOQ in the assoicated samples.

994951 ***MS** **1106753001B(994950MS)**

8260B - MS recovery for several analytes does not meet QC criteria. Refer to LCS for accuracy.

994952 ***MSD** **1106753001B(994950MSD)**

8260B - MS/MSD RPD for several analytes does not meet laboratory QC criteria. These analytes were not detected above the LOQ in the associated samples.

994963 ***CCV** **CCV for HBN 876981 [VMS/11659]**

8260B - ICV recovery for several analytes does not meet QC criteria (biased high). These analytes were not detected above the LOQ in the associated samples.
8260B - CCV recovery for bromomethane does not meet QC criteria (biased high). This analyte was not detected above the LOQ in the associated samples.

994977 ***MSD** **MW-5(1105187003MSD)**

6020 - Metals - MSD recovery for calcium is outside of acceptance criteria. Post-digestion spike was successful.

* QC comments may be associated with the field samples found in this report. When applicable, comments will be applied to associated field samples.

Laboratory Analysis Report

Doug Dusek
Nortech
2400 College Rd.
Fairbanks, AK 99709

Work Order:	1106758
	CMI 10-1088
Client:	Nortech
Report Date:	October 08, 2010

Enclosed are the analytical results associated with the above work order. All results are intended to be used in their entirety and SGS is not responsible for use of less than the complete report. If you have any questions regarding this report, or if we can be of any other assistance, please contact your SGS Project Manager at 907-562-2343. All work is provided under SGS general terms and conditions (<http://www.sgs.com/terms_and_conditions.htm>), unless other written agreements have been accepted by both parties.

SGS maintains a formal Quality Assurance/Quality Control (QA/QC) program. A copy of our Quality Assurance Plan (QAP), which outlines this program, is available at your request. The laboratory certification numbers are AK00971 (DW Chemistry & Microbiology) & UST-005 (CS) for ADEC and AK100001 for NELAP (RCRA methods: 1020A, 1311, 3010A, 3050B, 3520C, 3550C, 5030B, 5035B, 6010B, 6020, 7470A, 7471B, 8021B, 8081B, 8082A, 8260B, 8270D, 8270D-SIM, 9040B, 9045C, 9056A, 9060A, AK101 and AK102/103). Except as specifically noted, all statements and data in this report are in conformance to the provisions set forth by the SGS QAP and, when applicable, the National Environmental Laboratory Accreditation Program and other regulatory authorities. The following descriptors or qualifiers may be found in your report:

*	The analyte has exceeded allowable regulatory or control limits.
!	Surrogate out of control limits.
B	Indicates the analyte is found in a blank associated with the sample.
CCV	Continuing Calibration Verification
CL	Control Limit
D	The analyte concentration is the result of a dilution.
DF	Dilution Factor
DL	Detection Limit (i.e., maximum method detection limit)
E	The analyte result is above the calibrated range.
F	Indicates value that is greater than or equal to the DL
GT	Greater Than
ICV	Initial Calibration Verification
J	The quantitation is an estimation.
JL	The analyte was positively identified, but the quantitation is a low estimation.
LCS(D)	Laboratory Control Spike (Duplicate)
LOD	Limit of Detection (i.e., 2xDL)
LOQ	Limit of Quantitation (i.e., reporting or practical quantitation limit)
LT	Less Than
M	A matrix effect was present.
MB	Method Blank
MS(D)	Matrix Spike (Duplicate)
ND	Indicates the analyte is not detected.
Q	QC parameter out of acceptance range.
R	Rejected
RPD	Relative Percent Difference
U	Indicates the analyte was analyzed for but not detected.

Note: Sample summaries which include a result for "Total Solids" have already been adjusted for moisture content.
All DRO/RRO analyses are integrated per SOP.

Detectable Results Summary

Print Date: 10/8/2010 9:55 am

Client Sample ID: **MW-1**

SGS Ref. #: 1106758001

Parameter	Result	Units
Volatile Fuels Department		
Gasoline Range Organics	0.280	mg/L
Benzene	8.11	ug/L
Ethylbenzene	24.2	ug/L
P & M -Xylene	10.3	ug/L
Volatile Gas Chromatography/Mass Spectroscopy		
Benzene	7.60	ug/L
Ethylbenzene	16.8	ug/L
n-Butylbenzene	3.46	ug/L
1,3,5-Trimethylbenzene	30.7	ug/L
4-Isopropyltoluene	12.0	ug/L
n-Propylbenzene	38.5	ug/L
sec-Butylbenzene	8.41	ug/L
P & M -Xylene	5.94	ug/L
Naphthalene	7.90	ug/L
o-Xylene	1.01	ug/L
Xylenes (total)	6.95	ug/L
1,2,4-Trimethylbenzene	7.06	ug/L
tert-Butylbenzene	1.59	ug/L
Isopropylbenzene (Cumene)	35.9	ug/L

Client Sample ID: **MW-4**

SGS Ref. #: 1106758004

Parameter	Result	Units
Volatile Fuels Department		
Gasoline Range Organics	0.284	mg/L
Benzene	8.08	ug/L
Ethylbenzene	24.3	ug/L
P & M -Xylene	10.4	ug/L

Client Sample ID: **SP2-3**

SGS Ref. #: 1106758007

Parameter	Result	Units
Metals by ICP/MS		
Lead	6.57	mg/Kg

SGS Ref.#	1106758001		
Client Name	Nortech	**Printed Date/Time**	10/08/2010 9:55
Project Name/#	CMI 10-1088	**Collected Date/Time**	09/24/2010 13:30
Client Sample ID	MW-1	**Received Date/Time**	09/25/2010 12:00
Matrix	Water (Surface, Eff., Ground)	**Technical Director**	**Stephen C. Ede**

Sample Remarks:

AK101 - BFB (surrogate) recovery does not meet QC criteria (biased high) due to matrix interference.

Parameter	Results		LOQ	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
Metals by ICP/MS										
Lead	ND		1.00	ug/L	SW6020	G		10/04/10	10/07/10	NRB
Volatile Fuels Department										
Benzene	8.11		0.500	ug/L	SW8021B	B		09/30/10	09/30/10	EAB
Ethylbenzene	24.2		2.00	ug/L	SW8021B	B		09/30/10	09/30/10	EAB
Gasoline Range Organics	0.280		0.100	mg/L	AK101	B		09/30/10	09/30/10	EAB
o-Xylene	ND		2.00	ug/L	SW8021B	B		09/30/10	09/30/10	EAB
P & M -Xylene	10.3		2.00	ug/L	SW8021B	B		09/30/10	09/30/10	EAB
Toluene	ND		2.00	ug/L	SW8021B	B		09/30/10	09/30/10	EAB
Surrogates										
1,4-Difluorobenzene <surr>	104			%	SW8021B	B	80-120	09/30/10	09/30/10	EAB
4-Bromofluorobenzene <surr>	242	!		%	AK101	B	50-150	09/30/10	09/30/10	EAB
Volatile Gas Chromatography/Mass Spectroscopy										
1,1,1,2-Tetrachloroethane	ND		0.500	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
1,1,1-Trichloroethane	ND		1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
1,1,2-Trichloroethane	ND		1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
1,1-Dichloroethane	ND		1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
1,1-Dichloroethene	ND		1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
1,1-Dichloropropene	ND		1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
1,2,3-Trichlorobenzene	ND		1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
1,2,3-Trichloropropane	ND		1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
1,2,4-Trichlorobenzene	ND		1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
1,2,4-Trimethylbenzene	7.06		1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI

SGS Ref.#	1106758001		
Client Name	Nortech	**Printed Date/Time**	10/08/2010 9:55
Project Name/#	CMI 10-1088	**Collected Date/Time**	09/24/2010 13:30
Client Sample ID	MW-1	**Received Date/Time**	09/25/2010 12:00
Matrix	Water (Surface, Eff., Ground)	**Technical Director**	**Stephen C. Ede**

Parameter	Results	LOQ	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
Volatile Gas Chromatography/Mass Spectroscopy									
1,2-Dibromo-3-chloropropane	ND	2.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
1,2-Dibromoethane	ND	1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
1,2-Dichlorobenzene	ND	1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
1,2-Dichloroethane	ND	0.500	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
1,2-Dichloropropane	ND	1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
1,3,5-Trimethylbenzene	30.7	1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
1,3-Dichlorobenzene	ND	1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
1,3-Dichloropropane	ND	0.400	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
1,4-Dichlorobenzene	ND	0.500	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
2,2-Dichloropropane	ND	1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
2-Butanone (MEK)	ND	10.0	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
2-Chlorotoluene	ND	1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
2-Hexanone	ND	10.0	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
4-Chlorotoluene	ND	1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
4-Isopropyltoluene	12.0	1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
4-Methyl-2-pentanone (MIBK)	ND	10.0	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
Benzene	7.60	0.400	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
Bromobenzene	ND	1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
Bromochloromethane	ND	1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
Bromodichloromethane	ND	0.500	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
Bromoform	ND	1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
Bromomethane	ND	3.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
Carbon disulfide	ND	2.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
Carbon tetrachloride	ND	1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
Chlorobenzene	ND	0.500	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
Chloroethane	ND	1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
Chloroform	ND	1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
Chloromethane	ND	1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
cis-1,2-Dichloroethene	ND	1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
cis-1,3-Dichloropropene	ND	0.500	ug/L	SW8260B	A		09/29/10	09/30/10	JPI

SGS Ref.#	1106758001		
Client Name	Nortech	**Printed Date/Time**	10/08/2010 9:55
Project Name/#	CMI 10-1088	**Collected Date/Time**	09/24/2010 13:30
Client Sample ID	MW-1	**Received Date/Time**	09/25/2010 12:00
Matrix	Water (Surface, Eff., Ground)	**Technical Director**	**Stephen C. Ede**

Parameter	Results	LOQ	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
Volatile Gas Chromatography/Mass Spectroscopy									
Dibromochloromethane	ND	0.500	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
Dibromomethane	ND	1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
Dichlorodifluoromethane	ND	1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
Ethylbenzene	16.8	1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
Hexachlorobutadiene	ND	1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
Isopropylbenzene (Cumene)	35.9	1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
Methylene chloride	ND	5.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
Methyl-t-butyl ether	ND	5.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
Naphthalene	7.90	2.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
n-Butylbenzene	3.46	1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
n-Propylbenzene	38.5	1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
o-Xylene	1.01	1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
P & M -Xylene	5.94	2.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
sec-Butylbenzene	8.41	1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
Styrene	ND	1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
tert-Butylbenzene	1.59	1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
Tetrachloroethene	ND	1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
Toluene	ND	1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
trans-1,2-Dichloroethene	ND	1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
trans-1,3-Dichloropropene	ND	1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
Trichloroethene	ND	1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
Trichlorofluoromethane	ND	1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
Vinyl chloride	ND	1.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
Xylenes (total)	6.95	3.00	ug/L	SW8260B	A		09/29/10	09/30/10	JPI
Surrogates									
1,2-Dichloroethane-D4 <surr>	107		%	SW8260B	A	73-120	09/29/10	09/30/10	JPI
4-Bromofluorobenzene <surr>	98.1		%	SW8260B	A	76-120	09/29/10	09/30/10	JPI
Toluene-d8 <surr>	97.4		%	SW8260B	A	80-120	09/29/10	09/30/10	JPI

SGS Ref.#	1106758002
Client Name	Nortech
Project Name/#	CMI 10-1088
Client Sample ID	MW-2
Matrix	Water (Surface, Eff., Ground)

Printed Date/Time	10/08/2010 9:55
Collected Date/Time	09/24/2010 13:40
Received Date/Time	09/25/2010 12:00
Technical Director	**Stephen C. Ede**

Sample Remarks:

Parameter	Results	LOQ	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
Volatile Fuels Department									
Benzene	ND	0.500	ug/L	SW8021B	B		09/30/10	09/30/10	EAB
Ethylbenzene	ND	2.00	ug/L	SW8021B	B		09/30/10	09/30/10	EAB
Gasoline Range Organics	ND	0.100	mg/L	AK101	B		09/30/10	09/30/10	EAB
o-Xylene	ND	2.00	ug/L	SW8021B	B		09/30/10	09/30/10	EAB
P & M -Xylene	ND	2.00	ug/L	SW8021B	B		09/30/10	09/30/10	EAB
Toluene	ND	2.00	ug/L	SW8021B	B		09/30/10	09/30/10	EAB
Surrogates									
1,4-Difluorobenzene <surr>	94.7		%	SW8021B	B	80-120	09/30/10	09/30/10	EAB
4-Bromofluorobenzene <surr>	90.8		%	AK101	B	50-150	09/30/10	09/30/10	EAB

SGS Ref.#	1106758003
Client Name	Nortech
Project Name/#	CMI 10-1088
Client Sample ID	MW-3
Matrix	Water (Surface, Eff., Ground)

Printed Date/Time	10/08/2010 9:55
Collected Date/Time	09/24/2010 13:45
Received Date/Time	09/25/2010 12:00
Technical Director	**Stephen C. Ede**

Sample Remarks:

Parameter	Results	LOQ	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
Volatile Fuels Department									
Benzene	ND	0.500	ug/L	SW8021B	A		09/30/10	09/30/10	EAB
Ethylbenzene	ND	2.00	ug/L	SW8021B	A		09/30/10	09/30/10	EAB
Gasoline Range Organics	ND	0.100	mg/L	AK101	A		09/30/10	09/30/10	EAB
o-Xylene	ND	2.00	ug/L	SW8021B	A		09/30/10	09/30/10	EAB
P & M -Xylene	ND	2.00	ug/L	SW8021B	A		09/30/10	09/30/10	EAB
Toluene	ND	2.00	ug/L	SW8021B	A		09/30/10	09/30/10	EAB
Surrogates									
1,4-Difluorobenzene <surr>	94.6		%	SW8021B	A	80-120	09/30/10	09/30/10	EAB
4-Bromofluorobenzene <surr>	88.3		%	AK101	A	50-150	09/30/10	09/30/10	EAB

SGS Ref.#	1106758004		
Client Name	Nortech	**Printed Date/Time**	10/08/2010 9:55
Project Name/#	CMI 10-1088	**Collected Date/Time**	09/24/2010 13:20
Client Sample ID	MW-4	**Received Date/Time**	09/25/2010 12:00
Matrix	Water (Surface, Eff., Ground)	**Technical Director**	**Stephen C. Ede**

Sample Remarks:

AK101 - BFB (surrogate) recovery does not meet QC criteria (biased high) due to matrix interference.

Parameter	Results		LOQ	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
Volatile Fuels Department										
Benzene	8.08		0.500	ug/L	SW8021B	A		09/30/10	09/30/10	EAB
Ethylbenzene	24.3		2.00	ug/L	SW8021B	A		09/30/10	09/30/10	EAB
Gasoline Range Organics	0.284		0.100	mg/L	AK101	A		09/30/10	09/30/10	EAB
o-Xylene	ND		2.00	ug/L	SW8021B	A		09/30/10	09/30/10	EAB
P & M -Xylene	10.4		2.00	ug/L	SW8021B	A		09/30/10	09/30/10	EAB
Toluene	ND		2.00	ug/L	SW8021B	A		09/30/10	09/30/10	EAB
Surrogates										
1,4-Difluorobenzene <surr>	104			%	SW8021B	A	80-120	09/30/10	09/30/10	EAB
4-Bromofluorobenzene <surr>	247	!		%	AK101	A	50-150	09/30/10	09/30/10	EAB

SGS Ref.#	1106758005
Client Name	Nortech
Project Name/#	CMI 10-1088
Client Sample ID	Trip Blank
Matrix	Water (Surface, Eff., Ground)

Printed Date/Time	10/08/2010 9:55
Collected Date/Time	09/24/2010 13:20
Received Date/Time	09/25/2010 12:00
Technical Director	**Stephen C. Ede**

Sample Remarks:

Parameter	Results	LOQ	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
Volatile Fuels Department									
Benzene	ND	0.500	ug/L	SW8021B	A		09/30/10	09/30/10	EAB
Ethylbenzene	ND	2.00	ug/L	SW8021B	A		09/30/10	09/30/10	EAB
Gasoline Range Organics	ND	0.100	mg/L	AK101	A		09/30/10	09/30/10	EAB
o-Xylene	ND	2.00	ug/L	SW8021B	A		09/30/10	09/30/10	EAB
P & M -Xylene	ND	2.00	ug/L	SW8021B	A		09/30/10	09/30/10	EAB
Toluene	ND	2.00	ug/L	SW8021B	A		09/30/10	09/30/10	EAB
Surrogates									
1,4-Difluorobenzene <surr>	93.6		%	SW8021B	A	80-120	09/30/10	09/30/10	EAB
4-Bromofluorobenzene <surr>	90.5		%	AK101	A	50-150	09/30/10	09/30/10	EAB

SGS Ref.#	1106758006		
Client Name	Nortech	**Printed Date/Time**	10/08/2010 9:55
Project Name/#	CMI 10-1088	**Collected Date/Time**	09/24/2010 13:30
Client Sample ID	SP1-1	**Received Date/Time**	09/25/2010 12:00
Matrix	Soil/Solid (dry weight)	**Technical Director**	**Stephen C. Ede**

Sample Remarks:

Parameter	Results	LOQ	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
Volatile Gas Chromatography/Mass Spectroscopy									
1,1,1,2-Tetrachloroethane	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
1,1,1-Trichloroethane	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
1,1,2,2-Tetrachloroethane	ND	47.5	ug/Kg	SW8260B	A			10/05/10	DSH
1,1,2-Trichloroethane	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
1,1-Dichloroethane	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
1,1-Dichloroethene	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
1,1-Dichloropropene	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
1,2,3-Trichlorobenzene	ND	47.5	ug/Kg	SW8260B	A			10/05/10	DSH
1,2,3-Trichloropropane	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
1,2,4-Trichlorobenzene	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
1,2,4-Trimethylbenzene	ND	47.5	ug/Kg	SW8260B	A			10/06/10	SCL
1,2-Dibromo-3-chloropropane	ND	95.0	ug/Kg	SW8260B	A			10/05/10	DSH
1,2-Dibromoethane	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
1,2-Dichlorobenzene	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
1,2-Dichloroethane	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
1,2-Dichloropropane	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
1,3,5-Trimethylbenzene	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
1,3-Dichlorobenzene	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
1,3-Dichloropropane	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
1,4-Dichlorobenzene	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
2,2-Dichloropropane	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
2-Butanone (MEK)	ND	238	ug/Kg	SW8260B	A			10/05/10	DSH
2-Chlorotoluene	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
2-Hexanone	ND	238	ug/Kg	SW8260B	A			10/05/10	DSH
4-Chlorotoluene	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
4-Isopropyltoluene	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
4-Methyl-2-pentanone (MIBK)	ND	238	ug/Kg	SW8260B	A			10/05/10	DSH
Benzene	ND	11.9	ug/Kg	SW8260B	A			10/05/10	DSH

SGS Ref.#	1106758006		
Client Name	Nortech	**Printed Date/Time**	10/08/2010 9:55
Project Name/#	CMI 10-1088	**Collected Date/Time**	09/24/2010 13:30
Client Sample ID	SP1-1	**Received Date/Time**	09/25/2010 12:00
Matrix	Soil/Solid (dry weight)	**Technical Director**	**Stephen C. Ede**

Parameter	Results	LOQ	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
Volatile Gas Chromatography/Mass Spectroscopy									
Bromobenzene	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
Bromochloromethane	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
Bromodichloromethane	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
Bromoform	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
Bromomethane	ND	190	ug/Kg	SW8260B	A			10/05/10	DSH
Carbon disulfide	ND	95.0	ug/Kg	SW8260B	A			10/05/10	DSH
Carbon tetrachloride	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
Chlorobenzene	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
Chloroethane	ND	190	ug/Kg	SW8260B	A			10/05/10	DSH
Chloroform	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
Chloromethane	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
cis-1,2-Dichloroethene	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
cis-1,3-Dichloropropene	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
Dibromochloromethane	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
Dibromomethane	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
Dichlorodifluoromethane	ND	47.5	ug/Kg	SW8260B	A			10/05/10	DSH
Ethylbenzene	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
Hexachlorobutadiene	ND	47.5	ug/Kg	SW8260B	A			10/05/10	DSH
Isopropylbenzene (Cumene)	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
Methylene chloride	ND	95.0	ug/Kg	SW8260B	A			10/05/10	DSH
Methyl-t-butyl ether	ND	95.0	ug/Kg	SW8260B	A			10/05/10	DSH
Naphthalene	ND	47.5	ug/Kg	SW8260B	A			10/06/10	SCL
n-Butylbenzene	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
n-Propylbenzene	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
o-Xylene	ND	47.5	ug/Kg	SW8260B	A			10/05/10	DSH
P & M -Xylene	ND	47.5	ug/Kg	SW8260B	A			10/05/10	DSH
sec-Butylbenzene	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
Styrene	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
tert-Butylbenzene	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
Tetrachloroethene	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH

SGS Ref.#	1106758006		
Client Name	Nortech	**Printed Date/Time**	10/08/2010 9:55
Project Name/#	CMI 10-1088	**Collected Date/Time**	09/24/2010 13:30
Client Sample ID	SP1-1	**Received Date/Time**	09/25/2010 12:00
Matrix	Soil/Solid (dry weight)	**Technical Director**	**Stephen C. Ede**

Parameter	Results	LOQ	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
Volatile Gas Chromatography/Mass Spectroscopy									
Toluene	ND	47.5	ug/Kg	SW8260B	A			10/05/10	DSH
trans-1,2-Dichloroethene	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
trans-1,3-Dichloropropene	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
Trichloroethene	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
Trichlorofluoromethane	ND	47.5	ug/Kg	SW8260B	A			10/05/10	DSH
Vinyl chloride	ND	23.8	ug/Kg	SW8260B	A			10/05/10	DSH
Xylenes (total)	ND	95.0	ug/Kg	SW8260B	A			10/05/10	DSH
Surrogates									
1,2-Dichloroethane-D4 <surr>	102		%	SW8260B	A	69-132		10/05/10	DSH
4-Bromofluorobenzene <surr>	85.6		%	SW8260B	A	65-144		10/05/10	DSH
Toluene-d8 <surr>	97.5		%	SW8260B	A	84-124		10/05/10	DSH
Solids									
Total Solids	92.7		%	SM20 2540G	B			10/01/10	SHA

SGS Ref.#	1106758007		
Client Name	Nortech	**Printed Date/Time**	10/08/2010 9:55
Project Name/#	CMI 10-1088	**Collected Date/Time**	09/24/2010 14:00
Client Sample ID	SP2-3	**Received Date/Time**	09/25/2010 12:00
Matrix	Soil/Solid (dry weight)	**Technical Director**	**Stephen C. Ede**

Sample Remarks:

Parameter	Results	LOQ	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
Metals by ICP/MS									
Lead	6.57	0.210	mg/Kg	SW6020	A		09/28/10	09/29/10	KDC
Volatile Fuels Department									
Benzene	ND	13.9	ug/Kg	SW8021B	B			10/01/10	EAB
Ethylbenzene	ND	55.7	ug/Kg	SW8021B	B			10/01/10	EAB
Gasoline Range Organics	ND	2.79	mg/Kg	AK101	B			10/01/10	EAB
o-Xylene	ND	55.7	ug/Kg	SW8021B	B			10/01/10	EAB
P & M -Xylene	ND	55.7	ug/Kg	SW8021B	B			10/01/10	EAB
Toluene	ND	55.7	ug/Kg	SW8021B	B			10/01/10	EAB
Surrogates									
1,4-Difluorobenzene <surr>	94.1		%	SW8021B	B	80-120		10/01/10	EAB
4-Bromofluorobenzene <surr>	94.6		%	AK101	B	50-150		10/01/10	EAB
Volatile Gas Chromatography/Mass Spectroscopy									
1,1,1,2-Tetrachloroethane	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
1,1,1-Trichloroethane	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
1,1,2,2-Tetrachloroethane	ND	55.7	ug/Kg	SW8260B	B			10/06/10	SCL
1,1,2-Trichloroethane	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
1,1-Dichloroethane	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
1,1-Dichloroethene	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
1,1-Dichloropropene	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
1,2,3-Trichlorobenzene	ND	55.7	ug/Kg	SW8260B	B			10/06/10	SCL
1,2,3-Trichloropropane	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
1,2,4-Trichlorobenzene	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
1,2,4-Trimethylbenzene	ND	55.7	ug/Kg	SW8260B	B			10/06/10	SCL

SGS Ref.#	1106758007		
Client Name	Nortech	**Printed Date/Time**	10/08/2010 9:55
Project Name/#	CMI 10-1088	**Collected Date/Time**	09/24/2010 14:00
Client Sample ID	SP2-3	**Received Date/Time**	09/25/2010 12:00
Matrix	Soil/Solid (dry weight)	**Technical Director**	**Stephen C. Ede**

Parameter	Results	LOQ	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
Volatile Gas Chromatography/Mass Spectroscopy									
1,2-Dibromo-3-chloropropane	ND	111	ug/Kg	SW8260B	B			10/06/10	SCL
1,2-Dibromoethane	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
1,2-Dichlorobenzene	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
1,2-Dichloroethane	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
1,2-Dichloropropane	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
1,3,5-Trimethylbenzene	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
1,3-Dichlorobenzene	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
1,3-Dichloropropane	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
1,4-Dichlorobenzene	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
2,2-Dichloropropane	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
2-Butanone (MEK)	ND	279	ug/Kg	SW8260B	B			10/06/10	SCL
2-Chlorotoluene	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
2-Hexanone	ND	279	ug/Kg	SW8260B	B			10/06/10	SCL
4-Chlorotoluene	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
4-Isopropyltoluene	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
4-Methyl-2-pentanone (MIBK)	ND	279	ug/Kg	SW8260B	B			10/06/10	SCL
Benzene	ND	13.9	ug/Kg	SW8260B	B			10/06/10	SCL
Bromobenzene	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
Bromochloromethane	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
Bromodichloromethane	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
Bromoform	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
Bromomethane	ND	223	ug/Kg	SW8260B	B			10/06/10	SCL
Carbon disulfide	ND	111	ug/Kg	SW8260B	B			10/06/10	SCL
Carbon tetrachloride	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
Chlorobenzene	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
Chloroethane	ND	223	ug/Kg	SW8260B	B			10/06/10	SCL
Chloroform	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
Chloromethane	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
cis-1,2-Dichloroethene	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
cis-1,3-Dichloropropene	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL

SGS Ref.#	1106758007		
Client Name	Nortech	**Printed Date/Time**	10/08/2010 9:55
Project Name/#	CMI 10-1088	**Collected Date/Time**	09/24/2010 14:00
Client Sample ID	SP2-3	**Received Date/Time**	09/25/2010 12:00
Matrix	Soil/Solid (dry weight)	**Technical Director**	**Stephen C. Ede**

Parameter	Results	LOQ	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
Volatile Gas Chromatography/Mass Spectroscopy									
Dibromochloromethane	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
Dibromomethane	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
Dichlorodifluoromethane	ND	55.7	ug/Kg	SW8260B	B			10/06/10	SCL
Ethylbenzene	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
Hexachlorobutadiene	ND	55.7	ug/Kg	SW8260B	B			10/06/10	SCL
Isopropylbenzene (Cumene)	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
Methylene chloride	ND	111	ug/Kg	SW8260B	B			10/06/10	SCL
Methyl-t-butyl ether	ND	111	ug/Kg	SW8260B	B			10/06/10	SCL
Naphthalene	ND	55.7	ug/Kg	SW8260B	B			10/06/10	SCL
n-Butylbenzene	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
n-Propylbenzene	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
o-Xylene	ND	55.7	ug/Kg	SW8260B	B			10/06/10	SCL
P & M -Xylene	ND	55.7	ug/Kg	SW8260B	B			10/06/10	SCL
sec-Butylbenzene	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
Styrene	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
tert-Butylbenzene	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
Tetrachloroethene	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
Toluene	ND	55.7	ug/Kg	SW8260B	B			10/06/10	SCL
trans-1,2-Dichloroethene	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
trans-1,3-Dichloropropene	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
Trichloroethene	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
Trichlorofluoromethane	ND	55.7	ug/Kg	SW8260B	B			10/06/10	SCL
Vinyl chloride	ND	27.9	ug/Kg	SW8260B	B			10/06/10	SCL
Xylenes (total)	ND	111	ug/Kg	SW8260B	B			10/06/10	SCL
Surrogates									
1,2-Dichloroethane-D4 <surr>	116		%	SW8260B	B	69-132		10/06/10	SCL
4-Bromofluorobenzene <surr>	92.5		%	SW8260B	B	65-144		10/06/10	SCL
Toluene-d8 <surr>	109		%	SW8260B	B	84-124		10/06/10	SCL

SGS Ref.#	1106758007		
Client Name	Nortech	**Printed Date/Time**	10/08/2010 9:55
Project Name/#	CMI 10-1088	**Collected Date/Time**	09/24/2010 14:00
Client Sample ID	SP2-3	**Received Date/Time**	09/25/2010 12:00
Matrix	Soil/Solid (dry weight)	**Technical Director**	**Stephen C. Ede**

Parameter	Results	LOQ	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
Solids									
Total Solids	87.1		%	SM20 2540G	A			10/01/10	SHA

SGS Ref.#	1106758008		
Client Name	Nortech	**Printed Date/Time**	10/08/2010 9:55
Project Name/#	CMI 10-1088	**Collected Date/Time**	09/24/2010 13:15
Client Sample ID	Dup	**Received Date/Time**	09/25/2010 12:00
Matrix	Soil/Solid (dry weight)	**Technical Director**	**Stephen C. Ede**

Sample Remarks:

Parameter	Results	LOQ	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
Volatile Fuels Department									
Benzene	ND	14.3	ug/Kg	SW8021B	A			10/02/10	HM
Ethylbenzene	ND	57.3	ug/Kg	SW8021B	A			10/02/10	HM
Gasoline Range Organics	ND	2.86	mg/Kg	AK101	A			10/02/10	HM
o-Xylene	ND	57.3	ug/Kg	SW8021B	A			10/02/10	HM
P & M -Xylene	ND	57.3	ug/Kg	SW8021B	A			10/02/10	HM
Toluene	ND	57.3	ug/Kg	SW8021B	A			10/02/10	HM
Surrogates									
1,4-Difluorobenzene <surr>	95.7		%	SW8021B	A	80-120		10/02/10	HM
4-Bromofluorobenzene <surr>	90.5		%	AK101	A	50-150		10/02/10	HM
Solids									
Total Solids	87.1		%	SM20 2540G	A			10/01/10	SHA

SGS Ref.#	1106758009		
Client Name	Nortech	**Printed Date/Time**	10/08/2010 9:55
Project Name/#	CMI 10-1088	**Collected Date/Time**	09/24/2010 13:15
Client Sample ID	Trip Blank	**Received Date/Time**	09/25/2010 12:00
Matrix	Soil/Solid (dry weight)	**Technical Director**	**Stephen C. Ede**

Sample Remarks:

Parameter	Results	LOQ	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
Volatile Fuels Department									
Benzene	ND	12.6	ug/Kg	SW8021B	A			10/01/10	EAB
Ethylbenzene	ND	50.3	ug/Kg	SW8021B	A			10/01/10	EAB
Gasoline Range Organics	ND	2.51	mg/Kg	AK101	A			10/01/10	EAB
o-Xylene	ND	50.3	ug/Kg	SW8021B	A			10/01/10	EAB
P & M -Xylene	ND	50.3	ug/Kg	SW8021B	A			10/01/10	EAB
Toluene	ND	50.3	ug/Kg	SW8021B	A			10/01/10	EAB
Surrogates									
1,4-Difluorobenzene <surr>	92.6		%	SW8021B	A	80-120		10/01/10	EAB
4-Bromofluorobenzene <surr>	93.8		%	AK101	A	50-150		10/01/10	EAB
Volatile Gas Chromatography/Mass Spectroscopy									
1,1,1,2-Tetrachloroethane	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH
1,1,1-Trichloroethane	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH
1,1,2,2-Tetrachloroethane	ND	50.3	ug/Kg	SW8260B	A			10/04/10	DSH
1,1,2-Trichloroethane	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH
1,1-Dichloroethane	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH
1,1-Dichloroethene	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH
1,1-Dichloropropene	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH
1,2,3-Trichlorobenzene	ND	50.3	ug/Kg	SW8260B	A			10/04/10	DSH
1,2,3-Trichloropropane	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH
1,2,4-Trichlorobenzene	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH
1,2,4-Trimethylbenzene	ND	50.3	ug/Kg	SW8260B	A			10/04/10	DSH
1,2-Dibromo-3-chloropropane	ND	101	ug/Kg	SW8260B	A			10/04/10	DSH
1,2-Dibromoethane	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH
1,2-Dichlorobenzene	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH
1,2-Dichloroethane	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH

SGS Ref.#	1106758009		
Client Name	Nortech	**Printed Date/Time**	10/08/2010 9:55
Project Name/#	CMI 10-1088	**Collected Date/Time**	09/24/2010 13:15
Client Sample ID	Trip Blank	**Received Date/Time**	09/25/2010 12:00
Matrix	Soil/Solid (dry weight)	**Technical Director**	**Stephen C. Ede**

Parameter	Results	LOQ	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
Volatile Gas Chromatography/Mass Spectroscopy									
1,2-Dichloropropane	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH
1,3,5-Trimethylbenzene	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH
1,3-Dichlorobenzene	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH
1,3-Dichloropropane	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH
1,4-Dichlorobenzene	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH
2,2-Dichloropropane	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH
2-Butanone (MEK)	ND	251	ug/Kg	SW8260B	A			10/04/10	DSH
2-Chlorotoluene	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH
2-Hexanone	ND	251	ug/Kg	SW8260B	A			10/04/10	DSH
4-Chlorotoluene	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH
4-Isopropyltoluene	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH
4-Methyl-2-pentanone (MIBK)	ND	251	ug/Kg	SW8260B	A			10/04/10	DSH
Benzene	ND	12.6	ug/Kg	SW8260B	A			10/04/10	DSH
Bromobenzene	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH
Bromochloromethane	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH
Bromodichloromethane	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH
Bromoform	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH
Bromomethane	ND	201	ug/Kg	SW8260B	A			10/04/10	DSH
Carbon disulfide	ND	101	ug/Kg	SW8260B	A			10/04/10	DSH
Carbon tetrachloride	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH
Chlorobenzene	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH
Chloroethane	ND	201	ug/Kg	SW8260B	A			10/04/10	DSH
Chloroform	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH
Chloromethane	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH
cis-1,2-Dichloroethene	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH
cis-1,3-Dichloropropene	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH
Dibromochloromethane	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH
Dibromomethane	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH
Dichlorodifluoromethane	ND	50.3	ug/Kg	SW8260B	A			10/04/10	DSH
Ethylbenzene	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH

SGS Ref.#	1106758009
Client Name	Nortech
Project Name/#	CMI 10-1088
Client Sample ID	Trip Blank
Matrix	Soil/Solid (dry weight)

Printed Date/Time	10/08/2010 9:55
Collected Date/Time	09/24/2010 13:15
Received Date/Time	09/25/2010 12:00
Technical Director	**Stephen C. Ede**

Parameter	Results	LOQ	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
Volatile Gas Chromatography/Mass Spectroscopy									
Hexachlorobutadiene	ND	50.3	ug/Kg	SW8260B	A			10/04/10	DSH
Isopropylbenzene (Cumene)	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH
Methylene chloride	ND	101	ug/Kg	SW8260B	A			10/04/10	DSH
Methyl-t-butyl ether	ND	101	ug/Kg	SW8260B	A			10/04/10	DSH
Naphthalene	ND	50.3	ug/Kg	SW8260B	A			10/04/10	DSH
n-Butylbenzene	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH
n-Propylbenzene	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH
o-Xylene	ND	50.3	ug/Kg	SW8260B	A			10/04/10	DSH
P & M -Xylene	ND	50.3	ug/Kg	SW8260B	A			10/04/10	DSH
sec-Butylbenzene	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH
Styrene	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH
tert-Butylbenzene	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH
Tetrachloroethene	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH
Toluene	ND	50.3	ug/Kg	SW8260B	A			10/04/10	DSH
trans-1,2-Dichloroethene	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH
trans-1,3-Dichloropropene	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH
Trichloroethene	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH
Trichlorofluoromethane	ND	50.3	ug/Kg	SW8260B	A			10/04/10	DSH
Vinyl chloride	ND	25.1	ug/Kg	SW8260B	A			10/04/10	DSH
Xylenes (total)	ND	101	ug/Kg	SW8260B	A			10/04/10	DSH
Surrogates									
1,2-Dichloroethane-D4 <surr>	104		%	SW8260B	A	69-132		10/04/10	DSH
4-Bromofluorobenzene <surr>	96.1		%	SW8260B	A	65-144		10/04/10	DSH
Toluene-d8 <surr>	110		%	SW8260B	A	84-124		10/04/10	DSH

SGS Ref.#	993384	Method Blank	**Printed Date/Time**	10/08/2010	9:55
Client Name	Nortech		**Prep Batch**	MXX23597	
Project Name/#	CMI 10-1088		**Method**	SW3050B	
Matrix	Soil/Solid (dry weight)		**Date**	09/28/2010	

QC results affect the following production samples:

1106758007

Parameter	Results	LOQ/CL	DL	Units	Analysis Date
Metals by ICP/MS					
Lead	ND	0.200	0.0620	mg/Kg	09/29/10
Batch	MMS6719				
Method	SW6020				
Instrument	Perkin Elmer Sciex ICP-MS P4				

SGS Ref.#	993932	Method Blank	**Printed Date/Time**	10/08/2010	9:55
Client Name	Nortech		**Prep Batch**	VXX21418	
Project Name/#	CMI 10-1088		**Method**	SW5030B	
Matrix	Water (Surface, Eff., Ground)		**Date**	09/29/2010	

QC results affect the following production samples:

1106758001

Parameter	Results	LOQ/CL	DL	Units	Analysis Date

Volatile Gas Chromatography/Mass Spectroscopy

SGS Ref.#	993932	Method Blank	**Printed Date/Time**	10/08/2010 9:55
Client Name	Nortech		**Prep Batch**	VXX21418
Project Name/#	CMI 10-1088		**Method**	SW5030B
Matrix	Water (Surface, Eff., Ground)		**Date**	09/29/2010

Volatile Gas Chromatography/Mass Spectroscopy

Parameter	Results	LOQ/CL	DL	Units	Analysis Date
1,1,1,2-Tetrachloroethane	ND	0.500	0.150	ug/L	09/29/10
1,1,1-Trichloroethane	ND	1.00	0.310	ug/L	09/29/10
1,1,2,2-Tetrachloroethane	ND	0.500	0.150	ug/L	09/29/10
1,1,2-Trichloroethane	ND	1.00	0.310	ug/L	09/29/10
1,1-Dichloroethane	ND	1.00	0.310	ug/L	09/29/10
1,1-Dichloroethene	ND	1.00	0.310	ug/L	09/29/10
1,1-Dichloropropene	ND	1.00	0.310	ug/L	09/29/10
1,2,3-Trichlorobenzene	ND	1.00	0.310	ug/L	09/29/10
1,2,3-Trichloropropane	ND	1.00	0.310	ug/L	09/29/10
1,2,4-Trichlorobenzene	ND	1.00	0.310	ug/L	09/29/10
1,2,4-Trimethylbenzene	ND	1.00	0.310	ug/L	09/29/10
1,2-Dibromo-3-chloropropane	ND	2.00	0.620	ug/L	09/29/10
1,2-Dibromoethane	ND	1.00	0.310	ug/L	09/29/10
1,2-Dichlorobenzene	ND	1.00	0.310	ug/L	09/29/10
1,2-Dichloroethane	ND	0.500	0.150	ug/L	09/29/10
1,2-Dichloropropane	ND	1.00	0.310	ug/L	09/29/10
1,3,5-Trimethylbenzene	ND	1.00	0.310	ug/L	09/29/10
1,3-Dichlorobenzene	ND	1.00	0.310	ug/L	09/29/10
1,3-Dichloropropane	ND	0.400	0.120	ug/L	09/29/10
1,4-Dichlorobenzene	ND	0.500	0.150	ug/L	09/29/10
2,2-Dichloropropane	ND	1.00	0.310	ug/L	09/29/10
2-Butanone (MEK)	ND	10.0	3.10	ug/L	09/29/10
2-Chlorotoluene	ND	1.00	0.310	ug/L	09/29/10
2-Hexanone	ND	10.0	3.10	ug/L	09/29/10
4-Chlorotoluene	ND	1.00	0.310	ug/L	09/29/10
4-Isopropyltoluene	ND	1.00	0.310	ug/L	09/29/10
4-Methyl-2-pentanone (MIBK)	ND	10.0	3.10	ug/L	09/29/10
Benzene	ND	0.400	0.120	ug/L	09/29/10
Bromobenzene	ND	1.00	0.310	ug/L	09/29/10
Bromochloromethane	ND	1.00	0.310	ug/L	09/29/10
Bromodichloromethane	ND	0.500	0.150	ug/L	09/29/10
Bromoform	ND	1.00	0.310	ug/L	09/29/10
Bromomethane	ND	3.00	0.940	ug/L	09/29/10
Carbon disulfide	ND	2.00	0.620	ug/L	09/29/10
Carbon tetrachloride	ND	1.00	0.310	ug/L	09/29/10
Chlorobenzene	ND	0.500	0.150	ug/L	09/29/10
Chloroethane	ND	1.00	0.310	ug/L	09/29/10
Chloroform	ND	1.00	0.300	ug/L	09/29/10
Chloromethane	ND	1.00	0.310	ug/L	09/29/10

SGS Ref.#	993932	Method Blank	**Printed Date/Time**	10/08/2010 9:55
Client Name	Nortech		**Prep Batch**	VXX21418
Project Name/#	CMI 10-1088		**Method**	SW5030B
Matrix	Water (Surface, Eff., Ground)		**Date**	09/29/2010

Parameter	Results	LOQ/CL	DL	Units	Analysis Date
Volatile Gas Chromatography/Mass Spectroscopy					
cis-1,2-Dichloroethene	ND	1.00	0.310	ug/L	09/29/10
cis-1,3-Dichloropropene	ND	0.500	0.150	ug/L	09/29/10
Dibromochloromethane	ND	0.500	0.150	ug/L	09/29/10
Dibromomethane	ND	1.00	0.310	ug/L	09/29/10
Dichlorodifluoromethane	ND	1.00	0.310	ug/L	09/29/10
Ethylbenzene	ND	1.00	0.310	ug/L	09/29/10
Hexachlorobutadiene	ND	1.00	0.310	ug/L	09/29/10
Isopropylbenzene (Cumene)	ND	1.00	0.310	ug/L	09/29/10
Methylene chloride	ND	5.00	1.00	ug/L	09/29/10
Methyl-t-butyl ether	ND	5.00	1.50	ug/L	09/29/10
Naphthalene	ND	2.00	0.620	ug/L	09/29/10
n-Butylbenzene	ND	1.00	0.310	ug/L	09/29/10
n-Propylbenzene	ND	1.00	0.310	ug/L	09/29/10
o-Xylene	ND	1.00	0.310	ug/L	09/29/10
P & M -Xylene	ND	2.00	0.620	ug/L	09/29/10
sec-Butylbenzene	ND	1.00	0.310	ug/L	09/29/10
Styrene	ND	1.00	0.310	ug/L	09/29/10
tert-Butylbenzene	ND	1.00	0.310	ug/L	09/29/10
Tetrachloroethene	ND	1.00	0.310	ug/L	09/29/10
Toluene	ND	1.00	0.310	ug/L	09/29/10
trans-1,2-Dichloroethene	ND	1.00	0.310	ug/L	09/29/10
trans-1,3-Dichloropropene	ND	1.00	0.310	ug/L	09/29/10
Trichloroethene	ND	1.00	0.310	ug/L	09/29/10
Trichlorofluoromethane	ND	1.00	0.310	ug/L	09/29/10
Vinyl chloride	ND	1.00	0.310	ug/L	09/29/10
Xylenes (total)	ND	3.00	0.940	ug/L	09/29/10
Surrogates					
1,2-Dichloroethane-D4 <surr>	112	73-120		%	09/29/10
4-Bromofluorobenzene <surr>	98.3	76-120		%	09/29/10
Toluene-d8 <surr>	95	80-120		%	09/29/10

Batch VMS11647
Method SW8260B
Instrument HP 5890 Series II MS3 VNA

SGS Ref.#	994059	Method Blank	**Printed Date/Time**	10/08/2010 9:55
Client Name	Nortech		**Prep Batch**	VXX21422
Project Name/#	CMI 10-1088		**Method**	SW5030B
Matrix	Water (Surface, Eff., Ground)		**Date**	09/30/2010

QC results affect the following production samples:

1106758001, 1106758002, 1106758003, 1106758004, 1106758005

Parameter	Results	LOQ/CL	DL	Units	Analysis Date
Volatile Fuels Department					
Gasoline Range Organics	ND	0.100	0.0310	mg/L	09/30/10
Surrogates					
4-Bromofluorobenzene <surr>	87	50-150		%	09/30/10
Batch VFC10202					
Method AK101					
Instrument HP 5890 Series II PID+HECD VBA					
Benzene	ND	0.500	0.150	ug/L	09/30/10
Ethylbenzene	ND	2.00	0.620	ug/L	09/30/10
o-Xylene	ND	2.00	0.620	ug/L	09/30/10
P & M -Xylene	ND	2.00	0.620	ug/L	09/30/10
Toluene	ND	2.00	0.620	ug/L	09/30/10
Surrogates					
1,4-Difluorobenzene <surr>	93.6	80-120		%	09/30/10
Batch VFC10202					
Method SW8021B					
Instrument HP 5890 Series II PID+HECD VBA					

SGS Ref.#	994122	Method Blank	**Printed Date/Time**	10/08/2010 9:55
Client Name	Nortech		**Prep Batch**	
Project Name/#	CMI 10-1088		**Method**	
Matrix	Soil/Solid (dry weight)		**Date**	

QC results affect the following production samples:

1106758007, 1106758009

Parameter	Results	LOQ/CL	DL	Units	Analysis Date
Volatile Fuels Department					
Gasoline Range Organics	ND	2.50	0.750	mg/Kg	10/01/10
Surrogates					
4-Bromofluorobenzene <surr>	86.3	50-150		%	10/01/10
Batch VFC10203					
Method AK101					
Instrument HP 5890 Series II PID+HECD VBA					
Benzene	ND	12.5	4.00	ug/Kg	10/01/10
Ethylbenzene	ND	50.0	15.0	ug/Kg	10/01/10
o-Xylene	ND	50.0	15.0	ug/Kg	10/01/10
P & M -Xylene	ND	50.0	15.0	ug/Kg	10/01/10
Toluene	ND	50.0	15.0	ug/Kg	10/01/10
Surrogates					
1,4-Difluorobenzene <surr>	93.4	80-120		%	10/01/10
Batch VFC10203					
Method SW8021B					
Instrument HP 5890 Series II PID+HECD VBA					

SGS Ref.#	994382	Method Blank	**Printed Date/Time**	10/08/2010	9:55
Client Name	Nortech		**Prep Batch**		
Project Name/#	CMI 10-1088		**Method**		
Matrix	Soil/Solid (dry weight)		**Date**		

QC results affect the following production samples:

1106758006, 1106758007, 1106758008

Parameter	Results	LOQ/CL	DL	Units	Analysis Date
Solids					
Total Solids	100			%	10/01/10
Batch SPT8254					
Method SM20 2540G					
Instrument					

SGS Ref.#	994501	Method Blank	**Printed Date/Time**	10/08/2010 9:55
Client Name	Nortech		**Prep Batch**	
Project Name/#	CMI 10-1088		**Method**	
Matrix	Soil/Solid (dry weight)		**Date**	

QC results affect the following production samples:

1106758008

Parameter	Results	LOQ/CL	DL	Units	Analysis Date
Volatile Fuels Department					
Gasoline Range Organics	1.03J	2.50	0.750	mg/Kg	10/01/10
Surrogates					
4-Bromofluorobenzene <surr>	87.2	50-150		%	10/01/10
Batch VFC10208					
Method AK101					
Instrument HP 5890 Series II PID+HECD VBA					
Benzene	ND	12.5	4.00	ug/Kg	10/01/10
Ethylbenzene	ND	50.0	15.0	ug/Kg	10/01/10
o-Xylene	ND	50.0	15.0	ug/Kg	10/01/10
P & M -Xylene	ND	50.0	15.0	ug/Kg	10/01/10
Toluene	ND	50.0	15.0	ug/Kg	10/01/10
Surrogates					
1,4-Difluorobenzene <surr>	95.5	80-120		%	10/01/10
Batch VFC10208					
Method SW8021B					
Instrument HP 5890 Series II PID+HECD VBA					

SGS Ref.#	994948	Method Blank	**Printed Date/Time**	10/08/2010 9:55
Client Name	Nortech		**Prep Batch**	
Project Name/#	CMI 10-1088		**Method**	
Matrix	Soil/Solid (dry weight)		**Date**	

QC results affect the following production samples:

1106758006, 1106758009

Parameter	Results	LOQ/CL	DL	Units	Analysis Date

Volatile Gas Chromatography/Mass Spectroscopy

SGS Ref.#	994948	Method Blank	**Printed Date/Time**	10/08/2010 9:55
Client Name	Nortech		**Prep Batch**	
Project Name/#	CMI 10-1088		**Method**	
Matrix	Soil/Solid (dry weight)		**Date**	

Volatile Gas Chromatography/Mass Spectroscopy

Parameter	Results	LOQ/CL	DL	Units	Analysis Date
1,1,1,2-Tetrachloroethane	ND	25.0	7.80	ug/Kg	10/04/10
1,1,1-Trichloroethane	ND	25.0	7.80	ug/Kg	10/04/10
1,1,2,2-Tetrachloroethane	ND	50.0	15.0	ug/Kg	10/04/10
1,1,2-Trichloroethane	ND	25.0	7.80	ug/Kg	10/04/10
1,1-Dichloroethane	ND	25.0	7.80	ug/Kg	10/04/10
1,1-Dichloroethene	ND	25.0	7.80	ug/Kg	10/04/10
1,1-Dichloropropene	ND	25.0	7.80	ug/Kg	10/04/10
1,2,3-Trichlorobenzene	ND	50.0	15.0	ug/Kg	10/04/10
1,2,3-Trichloropropane	ND	25.0	7.80	ug/Kg	10/04/10
1,2,4-Trichlorobenzene	ND	25.0	7.80	ug/Kg	10/04/10
1,2,4-Trimethylbenzene	ND	50.0	15.0	ug/Kg	10/04/10
1,2-Dibromo-3-chloropropane	ND	100	31.0	ug/Kg	10/04/10
1,2-Dibromoethane	ND	25.0	7.80	ug/Kg	10/04/10
1,2-Dichlorobenzene	ND	25.0	7.80	ug/Kg	10/04/10
1,2-Dichloroethane	ND	25.0	7.80	ug/Kg	10/04/10
1,2-Dichloropropane	ND	25.0	7.80	ug/Kg	10/04/10
1,3,5-Trimethylbenzene	ND	25.0	7.80	ug/Kg	10/04/10
1,3-Dichlorobenzene	ND	25.0	7.80	ug/Kg	10/04/10
1,3-Dichloropropane	ND	25.0	7.80	ug/Kg	10/04/10
1,4-Dichlorobenzene	ND	25.0	7.80	ug/Kg	10/04/10
2,2-Dichloropropane	ND	25.0	7.80	ug/Kg	10/04/10
2-Butanone (MEK)	ND	250	78.0	ug/Kg	10/04/10
2-Chlorotoluene	ND	25.0	7.80	ug/Kg	10/04/10
2-Hexanone	ND	250	78.0	ug/Kg	10/04/10
4-Chlorotoluene	ND	25.0	7.80	ug/Kg	10/04/10
4-Isopropyltoluene	ND	25.0	7.80	ug/Kg	10/04/10
4-Methyl-2-pentanone (MIBK)	ND	250	78.0	ug/Kg	10/04/10
Benzene	ND	12.5	3.90	ug/Kg	10/04/10
Bromobenzene	ND	25.0	7.80	ug/Kg	10/04/10
Bromochloromethane	ND	25.0	7.80	ug/Kg	10/04/10
Bromodichloromethane	ND	25.0	7.80	ug/Kg	10/04/10
Bromoform	ND	25.0	7.80	ug/Kg	10/04/10
Bromomethane	ND	200	62.0	ug/Kg	10/04/10
Carbon disulfide	ND	100	31.0	ug/Kg	10/04/10
Carbon tetrachloride	ND	25.0	7.80	ug/Kg	10/04/10
Chlorobenzene	ND	25.0	7.80	ug/Kg	10/04/10
Chloroethane	ND	200	62.0	ug/Kg	10/04/10
Chloroform	ND	25.0	7.80	ug/Kg	10/04/10
Chloromethane	ND	25.0	7.80	ug/Kg	10/04/10

SGS Ref.#	994948	Method Blank	**Printed Date/Time**	10/08/2010	9:55
Client Name	Nortech		**Prep Batch**		
Project Name/#	CMI 10-1088		**Method**		
Matrix	Soil/Solid (dry weight)		**Date**		

Parameter	Results	LOQ/CL	DL	Units	Analysis Date
Volatile Gas Chromatography/Mass Spectroscopy					
cis-1,2-Dichloroethene	ND	25.0	7.80	ug/Kg	10/04/10
cis-1,3-Dichloropropene	ND	25.0	7.80	ug/Kg	10/04/10
Dibromochloromethane	ND	25.0	7.80	ug/Kg	10/04/10
Dibromomethane	ND	25.0	7.80	ug/Kg	10/04/10
Dichlorodifluoromethane	ND	50.0	15.0	ug/Kg	10/04/10
Ethylbenzene	ND	25.0	7.80	ug/Kg	10/04/10
Hexachlorobutadiene	ND	50.0	15.0	ug/Kg	10/04/10
Isopropylbenzene (Cumene)	ND	25.0	7.80	ug/Kg	10/04/10
Methylene chloride	ND	100	31.0	ug/Kg	10/04/10
Methyl-t-butyl ether	ND	100	31.0	ug/Kg	10/04/10
Naphthalene	ND	50.0	15.0	ug/Kg	10/04/10
n-Butylbenzene	ND	25.0	7.80	ug/Kg	10/04/10
n-Propylbenzene	ND	25.0	7.80	ug/Kg	10/04/10
o-Xylene	ND	50.0	15.0	ug/Kg	10/04/10
P & M -Xylene	ND	50.0	15.0	ug/Kg	10/04/10
sec-Butylbenzene	ND	25.0	7.80	ug/Kg	10/04/10
Styrene	ND	25.0	7.80	ug/Kg	10/04/10
tert-Butylbenzene	ND	25.0	7.80	ug/Kg	10/04/10
Tetrachloroethene	ND	25.0	7.80	ug/Kg	10/04/10
Toluene	ND	50.0	15.0	ug/Kg	10/04/10
trans-1,2-Dichloroethene	ND	25.0	7.80	ug/Kg	10/04/10
trans-1,3-Dichloropropene	ND	25.0	7.80	ug/Kg	10/04/10
Trichloroethene	ND	25.0	7.80	ug/Kg	10/04/10
Trichlorofluoromethane	ND	50.0	15.0	ug/Kg	10/04/10
Vinyl chloride	ND	25.0	7.80	ug/Kg	10/04/10
Xylenes (total)	ND	100	31.0	ug/Kg	10/04/10
Surrogates					
1,2-Dichloroethane-D4 <surr>	112	69-132		%	10/04/10
4-Bromofluorobenzene <surr>	96.4	65-144		%	10/04/10
Toluene-d8 <surr>	97.1	84-124		%	10/04/10

Batch VMS11659
Method SW8260B
Instrument HP 5890 Series II MS5 VLA

SGS Ref.#	994974	Method Blank	**Printed Date/Time**	10/08/2010	9:55
Client Name	Nortech		**Prep Batch**	MXX23621	
Project Name/#	CMI 10-1088		**Method**	SW3010A	
Matrix	Water (Surface, Eff., Ground)		**Date**	10/04/2010	

QC results affect the following production samples:

1106758001

Parameter	Results	LOQ/CL	DL	Units	Analysis Date
Metals by ICP/MS					
Lead	ND	1.00	0.310	ug/L	10/07/10
Batch	MMS6736				
Method	SW6020				
Instrument	Perkin Elmer Sciex ICP-MS P3				

SGS Ref.#	995186	Method Blank	**Printed Date/Time**	10/08/2010 9:55
Client Name	Nortech		**Prep Batch**	
Project Name/#	CMI 10-1088		**Method**	
Matrix	Soil/Solid (dry weight)		**Date**	

QC results affect the following production samples:

1106758006, 1106758007

Parameter	Results	LOQ/CL	DL	Units	Analysis Date

Volatile Gas Chromatography/Mass Spectroscopy

SGS Ref.#	995186	Method Blank	**Printed Date/Time**	10/08/2010 9:55
Client Name	Nortech		**Prep Batch**	
Project Name/#	CMI 10-1088		**Method**	
Matrix	Soil/Solid (dry weight)		**Date**	

Volatile Gas Chromatography/Mass Spectroscopy

Parameter	Results	LOQ/CL	DL	Units	Analysis Date
1,1,1,2-Tetrachloroethane	ND	25.0	7.80	ug/Kg	10/05/10
1,1,1-Trichloroethane	ND	25.0	7.80	ug/Kg	10/05/10
1,1,2,2-Tetrachloroethane	ND	50.0	15.0	ug/Kg	10/05/10
1,1,2-Trichloroethane	ND	25.0	7.80	ug/Kg	10/05/10
1,1-Dichloroethane	ND	25.0	7.80	ug/Kg	10/05/10
1,1-Dichloroethene	ND	25.0	7.80	ug/Kg	10/05/10
1,1-Dichloropropene	ND	25.0	7.80	ug/Kg	10/05/10
1,2,3-Trichlorobenzene	ND	50.0	15.0	ug/Kg	10/05/10
1,2,3-Trichloropropane	ND	25.0	7.80	ug/Kg	10/05/10
1,2,4-Trichlorobenzene	ND	25.0	7.80	ug/Kg	10/05/10
1,2,4-Trimethylbenzene	ND	50.0	15.0	ug/Kg	10/05/10
1,2-Dibromo-3-chloropropane	ND	100	31.0	ug/Kg	10/05/10
1,2-Dibromoethane	ND	25.0	7.80	ug/Kg	10/05/10
1,2-Dichlorobenzene	ND	25.0	7.80	ug/Kg	10/05/10
1,2-Dichloroethane	ND	25.0	7.80	ug/Kg	10/05/10
1,2-Dichloropropane	ND	25.0	7.80	ug/Kg	10/05/10
1,3,5-Trimethylbenzene	ND	25.0	7.80	ug/Kg	10/05/10
1,3-Dichlorobenzene	ND	25.0	7.80	ug/Kg	10/05/10
1,3-Dichloropropane	ND	25.0	7.80	ug/Kg	10/05/10
1,4-Dichlorobenzene	ND	25.0	7.80	ug/Kg	10/05/10
2,2-Dichloropropane	ND	25.0	7.80	ug/Kg	10/05/10
2-Butanone (MEK)	ND	250	78.0	ug/Kg	10/05/10
2-Chlorotoluene	ND	25.0	7.80	ug/Kg	10/05/10
2-Hexanone	ND	250	78.0	ug/Kg	10/05/10
4-Chlorotoluene	ND	25.0	7.80	ug/Kg	10/05/10
4-Isopropyltoluene	ND	25.0	7.80	ug/Kg	10/05/10
4-Methyl-2-pentanone (MIBK)	ND	250	78.0	ug/Kg	10/05/10
Benzene	ND	12.5	3.90	ug/Kg	10/05/10
Bromobenzene	ND	25.0	7.80	ug/Kg	10/05/10
Bromochloromethane	ND	25.0	7.80	ug/Kg	10/05/10
Bromodichloromethane	ND	25.0	7.80	ug/Kg	10/05/10
Bromoform	ND	25.0	7.80	ug/Kg	10/05/10
Bromomethane	ND	200	62.0	ug/Kg	10/05/10
Carbon disulfide	ND	100	31.0	ug/Kg	10/05/10
Carbon tetrachloride	ND	25.0	7.80	ug/Kg	10/05/10
Chlorobenzene	ND	25.0	7.80	ug/Kg	10/05/10
Chloroethane	ND	200	62.0	ug/Kg	10/05/10
Chloroform	ND	25.0	7.80	ug/Kg	10/05/10
Chloromethane	ND	25.0	7.80	ug/Kg	10/05/10

SGS Ref.#	995186	Method Blank	**Printed Date/Time**	10/08/2010	9:55
Client Name	Nortech		**Prep Batch**		
Project Name/#	CMI 10-1088		**Method**		
Matrix	Soil/Solid (dry weight)		**Date**		

Parameter	Results	LOQ/CL	DL	Units	Analysis Date
Volatile Gas Chromatography/Mass Spectroscopy					
cis-1,2-Dichloroethene	ND	25.0	7.80	ug/Kg	10/05/10
cis-1,3-Dichloropropene	ND	25.0	7.80	ug/Kg	10/05/10
Dibromochloromethane	ND	25.0	7.80	ug/Kg	10/05/10
Dibromomethane	ND	25.0	7.80	ug/Kg	10/05/10
Dichlorodifluoromethane	ND	50.0	15.0	ug/Kg	10/05/10
Ethylbenzene	ND	25.0	7.80	ug/Kg	10/05/10
Hexachlorobutadiene	ND	50.0	15.0	ug/Kg	10/05/10
Isopropylbenzene (Cumene)	ND	25.0	7.80	ug/Kg	10/05/10
Methylene chloride	ND	100	31.0	ug/Kg	10/05/10
Methyl-t-butyl ether	ND	100	31.0	ug/Kg	10/05/10
Naphthalene	ND	50.0	15.0	ug/Kg	10/05/10
n-Butylbenzene	ND	25.0	7.80	ug/Kg	10/05/10
n-Propylbenzene	ND	25.0	7.80	ug/Kg	10/05/10
o-Xylene	ND	50.0	15.0	ug/Kg	10/05/10
P & M -Xylene	ND	50.0	15.0	ug/Kg	10/05/10
sec-Butylbenzene	ND	25.0	7.80	ug/Kg	10/05/10
Styrene	ND	25.0	7.80	ug/Kg	10/05/10
tert-Butylbenzene	ND	25.0	7.80	ug/Kg	10/05/10
Tetrachloroethene	ND	25.0	7.80	ug/Kg	10/05/10
Toluene	ND	50.0	15.0	ug/Kg	10/05/10
trans-1,2-Dichloroethene	ND	25.0	7.80	ug/Kg	10/05/10
trans-1,3-Dichloropropene	ND	25.0	7.80	ug/Kg	10/05/10
Trichloroethene	ND	25.0	7.80	ug/Kg	10/05/10
Trichlorofluoromethane	ND	50.0	15.0	ug/Kg	10/05/10
Vinyl chloride	ND	25.0	7.80	ug/Kg	10/05/10
Xylenes (total)	ND	100	31.0	ug/Kg	10/05/10
Surrogates					
1,2-Dichloroethane-D4 <surr>	102	69-132		%	10/05/10
4-Bromofluorobenzene <surr>	106	65-144		%	10/05/10
Toluene-d8 <surr>	110	84-124		%	10/05/10

Batch VMS11662
Method SW8260B
Instrument HP 5890 Series II MS5 VLA

SGS Ref.#	994383	Duplicate	**Printed Date/Time**	10/08/2010	9:55
Client Name	Nortech		**Prep**	**Batch**	
Project Name/#	CMI 10-1088			**Method**	
Original	1106771011			**Date**	
Matrix	Soil/Solid (dry weight)				

QC results affect the following production samples:

1106758006, 1106758007, 1106758008

Parameter	Original Result	QC Result	Units	RPD	RPD Limits	Analysis Date
Solids						
Total Solids	68.3	71.0	%	4	(< 15)	10/01/2010

Batch SPT8254
Method SM20 2540G
Instrument

SGS Ref.#	993385	Lab Control Sample	**Printed Date/Time**	10/08/2010	9:55
			Prep Batch	MXX23597	
Client Name	Nortech		**Method**	SW3050B	
Project Name/#	CMI 10-1088		**Date**	09/28/2010	
Matrix	Soil/Solid (dry weight)				

QC results affect the following production samples:

1106758007

Parameter		QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
Metals by ICP/MS								
Lead	LCS	48.3	97	(80-120)			50 mg/Kg	09/29/2010

Batch MMS6719
Method SW6020
Instrument Perkin Elmer Sciex ICP-MS P4

SGS Ref.#	993933	Lab Control Sample	**Printed Date/Time**	10/08/2010	9:55
	993934	Lab Control Sample Duplicate	**Prep Batch**	VXX21418	
Client Name	Nortech		**Method**	SW5030B	
Project Name/#	CMI 10-1088		**Date**	09/29/2010	
Matrix	Water (Surface, Eff., Ground)				

QC results affect the following production samples:

1106758001

Parameter	QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date

Volatile Gas Chromatography/Mass Spectroscopy

SGS Ref.#	993933	Lab Control Sample	**Printed Date/Time**	10/08/2010	9:55
	993934	Lab Control Sample Duplicate	**Prep Batch**	VXX21418	
Client Name	Nortech		**Method**	SW5030B	
Project Name/#	CMI 10-1088		**Date**	09/29/2010	
Matrix	Water (Surface, Eff., Ground)				

Parameter		QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
Volatile Gas Chromatography/Mass Spectroscopy								
1,1,1,2-Tetrachloroethane	LCS	30.6	102	(80-120)			30 ug/L	09/29/2010
	LCSD	30.6	102		0	(< 20)	30 ug/L	09/29/2010
1,1,1-Trichloroethane	LCS	34.7	116	(80-122)			30 ug/L	09/29/2010
	LCSD	33.0	110		5	(< 20)	30 ug/L	09/29/2010
1,1,2,2-Tetrachloroethane	LCS	26.4	88	(76-123)			30 ug/L	09/29/2010
	LCSD	27.1	90		3	(< 20)	30 ug/L	09/29/2010
1,1,2-Trichloroethane	LCS	29.2	97	(77-120)			30 ug/L	09/29/2010
	LCSD	29.5	98		1	(< 20)	30 ug/L	09/29/2010
1,1-Dichloroethane	LCS	29.7	99	(80-120)			30 ug/L	09/29/2010
	LCSD	28.6	95		4	(< 20)	30 ug/L	09/29/2010
1,1-Dichloroethene	LCS	30.5	102	(76-130)			30 ug/L	09/29/2010
	LCSD	29.0	97		5	(< 20)	30 ug/L	09/29/2010
1,1-Dichloropropene	LCS	34.8	116	(80-122)			30 ug/L	09/29/2010
	LCSD	33.7	112		3	(< 20)	30 ug/L	09/29/2010
1,2,3-Trichlorobenzene	LCS	29.0	97	(77-120)			30 ug/L	09/29/2010
	LCSD	29.7	99		2	(< 20)	30 ug/L	09/29/2010
1,2,3-Trichloropropane	LCS	26.8	89	(80-120)			30 ug/L	09/29/2010
	LCSD	28.0	93		4	(< 20)	30 ug/L	09/29/2010
1,2,4-Trichlorobenzene	LCS	28.0	93	(80-120)			30 ug/L	09/29/2010
	LCSD	28.7	96		3	(< 20)	30 ug/L	09/29/2010
1,2,4-Trimethylbenzene	LCS	30.1	100	(80-125)			30 ug/L	09/29/2010
	LCSD	29.4	98		2	(< 20)	30 ug/L	09/29/2010
1,2-Dibromo-3-chloropropane	LCS	29.6	99	(73-130)			30 ug/L	09/29/2010
	LCSD	29.7	99		0	(< 20)	30 ug/L	09/29/2010
1,2-Dibromoethane	LCS	30.9	103	(80-120)			30 ug/L	09/29/2010
	LCSD	31.4	105		2	(< 20)	30 ug/L	09/29/2010
1,2-Dichlorobenzene	LCS	28.5	95	(80-120)			30 ug/L	09/29/2010
	LCSD	28.6	95		0	(< 20)	30 ug/L	09/29/2010

SGS Ref.#	993933	Lab Control Sample	**Printed Date/Time**	10/08/2010	9:55
	993934	Lab Control Sample Duplicate	**Prep Batch**	VXX21418	
Client Name	Nortech		**Method**	SW5030B	
Project Name/#	CMI 10-1088		**Date**	09/29/2010	
Matrix	Water (Surface, Eff., Ground)				

Parameter		QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
Volatile Gas Chromatography/Mass Spectroscopy								
1,2-Dichloroethane	LCS	29.8	99	(80-129)			30 ug/L	09/29/2010
	LCSD	29.6	99		1	(< 20)	30 ug/L	09/29/2010
1,2-Dichloropropane	LCS	32.7	109	(80-121)			30 ug/L	09/29/2010
	LCSD	32.1	107		2	(< 20)	30 ug/L	09/29/2010
1,3,5-Trimethylbenzene	LCS	29.9	100	(80-128)			30 ug/L	09/29/2010
	LCSD	29.4	98		2	(< 20)	30 ug/L	09/29/2010
1,3-Dichlorobenzene	LCS	31.5	105	(80-120)			30 ug/L	09/29/2010
	LCSD	31.7	106		1	(< 20)	30 ug/L	09/29/2010
1,3-Dichloropropane	LCS	30.7	102	(80-121)			30 ug/L	09/29/2010
	LCSD	31.0	103		1	(< 20)	30 ug/L	09/29/2010
1,4-Dichlorobenzene	LCS	29.0	97	(80-120)			30 ug/L	09/29/2010
	LCSD	29.4	98		1	(< 20)	30 ug/L	09/29/2010
2,2-Dichloropropane	LCS	32.1	107	(80-132)			30 ug/L	09/29/2010
	LCSD	31.0	103		4	(< 20)	30 ug/L	09/29/2010
2-Butanone (MEK)	LCS	112	124	(66-136)			90 ug/L	09/29/2010
	LCSD	113	125		1	(< 20)	90 ug/L	09/29/2010
2-Chlorotoluene	LCS	32.9	110	(80-125)			30 ug/L	09/29/2010
	LCSD	32.3	108		2	(< 20)	30 ug/L	09/29/2010
2-Hexanone	LCS	98.2	109	(68-130)			90 ug/L	09/29/2010
	LCSD	101	112		3	(< 20)	90 ug/L	09/29/2010
4-Chlorotoluene	LCS	30.5	102	(79-128)			30 ug/L	09/29/2010
	LCSD	30.0	100		2	(< 20)	30 ug/L	09/29/2010
4-Isopropyltoluene	LCS	30.1	100	(80-125)			30 ug/L	09/29/2010
	LCSD	29.9	100		1	(< 20)	30 ug/L	09/29/2010
4-Methyl-2-pentanone (MIBK)	LCS	92.1	102	(69-134)			90 ug/L	09/29/2010
	LCSD	91.2	101		1	(< 20)	90 ug/L	09/29/2010
Benzene	LCS	34.7	116	(80-120)			30 ug/L	09/29/2010

SGS Ref.#	993933	Lab Control Sample	**Printed Date/Time**	10/08/2010	9:55
	993934	Lab Control Sample Duplicate	**Prep Batch**	VXX21418	
Client Name	Nortech		**Method**	SW5030B	
Project Name/#	CMI 10-1088		**Date**	09/29/2010	
Matrix	Water (Surface, Eff., Ground)				

Parameter		QC Results	Pct Recov		LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
Volatile Gas Chromatography/Mass Spectroscopy									
	LCSD	33.1	110			5	(< 20)	30 ug/L	09/29/2010
Bromobenzene	LCS	28.5	95		(80-120)			30 ug/L	09/29/2010
	LCSD	28.5	95			0	(< 20)	30 ug/L	09/29/2010
Bromochloromethane	LCS	27.7	92		(77-129)			30 ug/L	09/29/2010
	LCSD	27.2	91			2	(< 20)	30 ug/L	09/29/2010
Bromodichloromethane	LCS	33.2	111		(80-120)			30 ug/L	09/29/2010
	LCSD	32.0	107			4	(< 20)	30 ug/L	09/29/2010
Bromoform	LCS	27.0	90		(80-120)			30 ug/L	09/29/2010
	LCSD	27.8	93			3	(< 20)	30 ug/L	09/29/2010
Bromomethane	LCS	38.5	128		(30-140)			30 ug/L	09/29/2010
	LCSD	36.5	122			5	(< 20)	30 ug/L	09/29/2010
Carbon disulfide	LCS	52.6	117		(72-123)			45 ug/L	09/29/2010
	LCSD	50.2	112			5	(< 20)	45 ug/L	09/29/2010
Carbon tetrachloride	LCS	31.6	105		(80-126)			30 ug/L	09/29/2010
	LCSD	29.6	99			7	(< 20)	30 ug/L	09/29/2010
Chlorobenzene	LCS	31.6	105		(80-120)			30 ug/L	09/29/2010
	LCSD	30.9	103			2	(< 20)	30 ug/L	09/29/2010
Chloroethane	LCS	39.4	131		(67-133)			30 ug/L	09/29/2010
	LCSD	36.3	121			8	(< 20)	30 ug/L	09/29/2010
Chloroform	LCS	28.5	95		(80-124)			30 ug/L	09/29/2010
	LCSD	27.3	91			4	(< 20)	30 ug/L	09/29/2010
Chloromethane	LCS	44.6	149	*	(67-125)			30 ug/L	09/29/2010
	LCSD	41.8	139	*		7	(< 20)	30 ug/L	09/29/2010
cis-1,2-Dichloroethene	LCS	27.7	92		(80-125)			30 ug/L	09/29/2010
	LCSD	26.5	88			4	(< 20)	30 ug/L	09/29/2010
cis-1,3-Dichloropropene	LCS	30.3	101		(80-120)			30 ug/L	09/29/2010
	LCSD	29.4	98			3	(< 20)	30 ug/L	09/29/2010

SGS Ref.#	993933	Lab Control Sample	**Printed Date/Time**	10/08/2010	9:55
	993934	Lab Control Sample Duplicate	**Prep Batch**	VXX21418	
Client Name	Nortech		**Method**	SW5030B	
Project Name/#	CMI 10-1088		**Date**	09/29/2010	
Matrix	Water (Surface, Eff., Ground)				

Parameter		QC Results	Pct Recov		LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
Volatile Gas Chromatography/Mass Spectroscopy									
Dibromochloromethane	LCS	31.0	103		(80-120)			30 ug/L	09/29/2010
	LCSD	30.7	102			1	(< 20)	30 ug/L	09/29/2010
Dibromomethane	LCS	30.4	101		(80-120)			30 ug/L	09/29/2010
	LCSD	30.0	100			2	(< 20)	30 ug/L	09/29/2010
Dichlorodifluoromethane	LCS	46.7	156	*	(62-153)			30 ug/L	09/29/2010
	LCSD	43.7	146			7	(< 20)	30 ug/L	09/29/2010
Ethylbenzene	LCS	30.4	101		(80-120)			30 ug/L	09/29/2010
	LCSD	29.4	98			3	(< 20)	30 ug/L	09/29/2010
Hexachlorobutadiene	LCS	31.7	106		(77-125)			30 ug/L	09/29/2010
	LCSD	31.9	106			1	(< 20)	30 ug/L	09/29/2010
Isopropylbenzene (Cumene)	LCS	30.4	101		(80-121)			30 ug/L	09/29/2010
	LCSD	29.6	99			3	(< 20)	30 ug/L	09/29/2010
Methylene chloride	LCS	32.2	107		(63-131)			30 ug/L	09/29/2010
	LCSD	31.9	106			1	(< 20)	30 ug/L	09/29/2010
Methyl-t-butyl ether	LCS	42.8	95		(80-120)			45 ug/L	09/29/2010
	LCSD	43.6	97			2	(< 20)	45 ug/L	09/29/2010
Naphthalene	LCS	26.9	90		(75-120)			30 ug/L	09/29/2010
	LCSD	27.9	93			4	(< 20)	30 ug/L	09/29/2010
n-Butylbenzene	LCS	30.2	101		(80-124)			30 ug/L	09/29/2010
	LCSD	30.0	100			1	(< 20)	30 ug/L	09/29/2010
n-Propylbenzene	LCS	31.4	105		(80-129)			30 ug/L	09/29/2010
	LCSD	30.5	102			3	(< 20)	30 ug/L	09/29/2010
o-Xylene	LCS	29.3	98		(80-120)			30 ug/L	09/29/2010
	LCSD	28.5	95			3	(< 20)	30 ug/L	09/29/2010
P & M -Xylene	LCS	60.2	100		(80-120)			60 ug/L	09/29/2010
	LCSD	58.6	98			3	(< 20)	60 ug/L	09/29/2010
sec-Butylbenzene	LCS	31.2	104		(80-120)			30 ug/L	09/29/2010
	LCSD	30.5	102			2	(< 20)	30 ug/L	09/29/2010

SGS Ref.#	993933	Lab Control Sample	**Printed Date/Time**	10/08/2010	9:55
	993934	Lab Control Sample Duplicate	**Prep Batch**	VXX21418	
Client Name	Nortech		**Method**	SW5030B	
Project Name/#	CMI 10-1088		**Date**	09/29/2010	
Matrix	Water (Surface, Eff., Ground)				

Parameter		QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
Volatile Gas Chromatography/Mass Spectroscopy								
Styrene	LCS	29.3	98	(80-120)			30 ug/L	09/29/2010
	LCSD	28.8	96		2	(< 20)	30 ug/L	09/29/2010
tert-Butylbenzene	LCS	29.6	99	(80-122)			30 ug/L	09/29/2010
	LCSD	29.2	97		1	(< 20)	30 ug/L	09/29/2010
Tetrachloroethene	LCS	30.9	103	(79-122)			30 ug/L	09/29/2010
	LCSD	29.7	99		4	(< 20)	30 ug/L	09/29/2010
Toluene	LCS	29.5	98	(77-120)			30 ug/L	09/29/2010
	LCSD	28.6	95		3	(< 20)	30 ug/L	09/29/2010
trans-1,2-Dichloroethene	LCS	28.9	96	(79-132)			30 ug/L	09/29/2010
	LCSD	27.7	92		4	(< 20)	30 ug/L	09/29/2010
trans-1,3-Dichloropropene	LCS	28.7	96	(80-124)			30 ug/L	09/29/2010
	LCSD	28.9	96		1	(< 20)	30 ug/L	09/29/2010
Trichloroethene	LCS	32.1	107	(80-125)			30 ug/L	09/29/2010
	LCSD	30.8	103		4	(< 20)	30 ug/L	09/29/2010
Trichlorofluoromethane	LCS	32.9	110	(68-145)			30 ug/L	09/29/2010
	LCSD	30.7	102		7	(< 20)	30 ug/L	09/29/2010
Vinyl chloride	LCS	36.1	120	(72-145)			30 ug/L	09/29/2010
	LCSD	34.6	115		5	(< 20)	30 ug/L	09/29/2010
Xylenes (total)	LCS	89.4	99	(80-120)			90 ug/L	09/29/2010
	LCSD	87.2	97		3	(< 20)	90 ug/L	09/29/2010
Surrogates								
1,2-Dichloroethane-D4 <surr>	LCS		99	(73-120)				09/29/2010
	LCSD		94		5			09/29/2010
4-Bromofluorobenzene <surr>	LCS		100	(76-120)				09/29/2010
	LCSD		100		0			09/29/2010
Toluene-d8 <surr>	LCS		102	(80-120)				09/29/2010
	LCSD		101		1			09/29/2010

SGS Ref.#	993933	Lab Control Sample	**Printed Date/Time**	10/08/2010	9:55
	993934	Lab Control Sample Duplicate	**Prep Batch**	VXX21418	
Client Name	Nortech		**Method**	SW5030B	
Project Name/#	CMI 10-1088		**Date**	09/29/2010	
Matrix	Water (Surface, Eff., Ground)				

Parameter	QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date

Volatile Gas Chromatography/Mass Spectroscopy

Batch VMS11647
Method SW8260B
Instrument HP 5890 Series II MS3 VNA

SGS Ref.#	994060	Lab Control Sample	**Printed Date/Time**	10/08/2010	9:55
	994061	Lab Control Sample Duplicate	**Prep Batch**	VXX21422	
Client Name	Nortech		**Method**	SW5030B	
Project Name/#	CMI 10-1088		**Date**	09/30/2010	
Matrix	Water (Surface, Eff., Ground)				

QC results affect the following production samples:

1106758001, 1106758002, 1106758003, 1106758004, 1106758005

Parameter		QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
Volatile Fuels Department								
Benzene	LCS	105	105	(80-120)			100 ug/L	09/30/2010
	LCSD	103	103		2	(< 20)	100 ug/L	09/30/2010
Ethylbenzene	LCS	105	105	(87-125)			100 ug/L	09/30/2010
	LCSD	103	103		2	(< 20)	100 ug/L	09/30/2010
o-Xylene	LCS	104	104	(85-120)			100 ug/L	09/30/2010
	LCSD	103	103		1	(< 20)	100 ug/L	09/30/2010
P & M -Xylene	LCS	209	104	(87-125)			200 ug/L	09/30/2010
	LCSD	206	103		1	(< 20)	200 ug/L	09/30/2010
Toluene	LCS	103	103	(80-120)			100 ug/L	09/30/2010
	LCSD	101	101		1	(< 20)	100 ug/L	09/30/2010
Surrogates								
1,4-Difluorobenzene <surr>	LCS		101	(80-120)				09/30/2010
	LCSD		101		0			09/30/2010

Batch	VFC10202
Method	SW8021B
Instrument	HP 5890 Series II PID+HECD VBA

SGS Ref.#	994062	Lab Control Sample	**Printed Date/Time**	10/08/2010	9:55
	994063	Lab Control Sample Duplicate	**Prep Batch**	VXX21422	
Client Name	Nortech		**Method**	SW5030B	
Project Name/#	CMI 10-1088		**Date**	09/30/2010	
Matrix	Water (Surface, Eff., Ground)				

QC results affect the following production samples:

1106758001, 1106758002, 1106758003, 1106758004, 1106758005

Parameter		QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
Volatile Fuels Department								
Gasoline Range Organics	LCS	0.225	113	(60-120)			0.200 mg/L	09/30/2010
	LCSD	0.222	111		1	(< 20)	0.200 mg/L	09/30/2010
Surrogates								
4-Bromofluorobenzene <surr>	LCS		89	(50-150)				09/30/2010
	LCSD		89		0			09/30/2010

Batch VFC10202
Method AK101
Instrument HP 5890 Series II PID+HECD VBA

SGS Ref.#	994123	Lab Control Sample	**Printed Date/Time**	10/08/2010	9:55
	994124	Lab Control Sample Duplicate	**Prep Batch**		
Client Name	Nortech		**Method**		
Project Name/#	CMI 10-1088		**Date**		
Matrix	Soil/Solid (dry weight)				

QC results affect the following production samples:

1106758007, 1106758009

Parameter		QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
Volatile Fuels Department								
Benzene	LCS	1300	104	(80-125)			1250 ug/Kg	10/01/2010
	LCSD	1290	103		1	(< 20)	1250 ug/Kg	10/01/2010
Ethylbenzene	LCS	1360	109	(85-125)			1250 ug/Kg	10/01/2010
	LCSD	1350	108		0	(< 20)	1250 ug/Kg	10/01/2010
o-Xylene	LCS	1360	108	(85-125)			1250 ug/Kg	10/01/2010
	LCSD	1350	108		0	(< 20)	1250 ug/Kg	10/01/2010
P & M -Xylene	LCS	2730	109	(85-125)			2500 ug/Kg	10/01/2010
	LCSD	2720	109		0	(< 20)	2500 ug/Kg	10/01/2010
Toluene	LCS	1330	106	(85-120)			1250 ug/Kg	10/01/2010
	LCSD	1310	105		1	(< 20)	1250 ug/Kg	10/01/2010
Surrogates								
1,4-Difluorobenzene <surr>	LCS		97	(80-120)				10/01/2010
	LCSD		97		0			10/01/2010

Batch VFC10203
Method SW8021B
Instrument HP 5890 Series II PID+HECD VBA

SGS Ref.#	994125	Lab Control Sample	**Printed Date/Time**	10/08/2010 9:55
	994126	Lab Control Sample Duplicate	**Prep Batch**	
Client Name	Nortech		**Method**	
Project Name/#	CMI 10-1088		**Date**	
Matrix	Soil/Solid (dry weight)			

QC results affect the following production samples:

1106758007, 1106758009

Parameter		QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
Volatile Fuels Department								
Gasoline Range Organics	LCS	11.4	101	(60-120)			11.3 mg/Kg	10/01/2010
	LCSD	11.3	101		0	(< 20)	11.3 mg/Kg	10/01/2010
Surrogates								
4-Bromofluorobenzene <surr>	LCS		86	(50-150)				10/01/2010
	LCSD		90		4			10/01/2010

Batch VFC10203
Method AK101
Instrument HP 5890 Series II PID+HECD VBA

SGS Ref.#	994502	Lab Control Sample	**Printed Date/Time**	10/08/2010	9:55
	994503	Lab Control Sample Duplicate	**Prep Batch**		
Client Name	Nortech		**Method**		
Project Name/#	CMI 10-1088		**Date**		
Matrix	Soil/Solid (dry weight)				

QC results affect the following production samples:

1106758008

Parameter		QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
Volatile Fuels Department								
Benzene	LCS	1310	105	(80-125)			1250 ug/Kg	10/01/2010
	LCSD	1280	103		2	(< 20)	1250 ug/Kg	10/01/2010
Ethylbenzene	LCS	1380	111	(85-125)			1250 ug/Kg	10/01/2010
	LCSD	1350	108		2	(< 20)	1250 ug/Kg	10/01/2010
o-Xylene	LCS	1390	111	(85-125)			1250 ug/Kg	10/01/2010
	LCSD	1350	108		3	(< 20)	1250 ug/Kg	10/01/2010
P & M -Xylene	LCS	2780	111	(85-125)			2500 ug/Kg	10/01/2010
	LCSD	2710	109		3	(< 20)	2500 ug/Kg	10/01/2010
Toluene	LCS	1340	107	(85-120)			1250 ug/Kg	10/01/2010
	LCSD	1310	105		2	(< 20)	1250 ug/Kg	10/01/2010
Surrogates								
1,4-Difluorobenzene <surr>	LCS		100	(80-120)				10/01/2010
	LCSD		99		0			10/01/2010

Batch VFC10208
Method SW8021B
Instrument HP 5890 Series II PID+HECD VBA

SGS Ref.#	994504	Lab Control Sample	**Printed Date/Time**	10/08/2010 9:55
	994505	Lab Control Sample Duplicate	**Prep Batch**	
Client Name	Nortech		**Method**	
Project Name/#	CMI 10-1088		**Date**	
Matrix	Soil/Solid (dry weight)			

QC results affect the following production samples:

1106758008

Parameter		QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
Volatile Fuels Department								
Gasoline Range Organics	LCS	11.7	104	(60-120)			11.3 mg/Kg	10/01/2010
	LCSD	11.5	102		2	(< 20)	11.3 mg/Kg	10/01/2010
Surrogates								
4-Bromofluorobenzene <surr>	LCS		86	(50-150)				10/01/2010
	LCSD		83		3			10/01/2010

Batch VFC10208
Method AK101
Instrument HP 5890 Series II PID+HECD VBA

SGS Ref.#	994949	Lab Control Sample	**Printed Date/Time**	10/08/2010	9:55
			Prep Batch		
Client Name	Nortech		**Method**		
Project Name/#	CMI 10-1088		**Date**		
Matrix	Soil/Solid (dry weight)				

QC results affect the following production samples:

1106758006, 1106758009

Parameter	QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date

Volatile Gas Chromatography/Mass Spectroscopy

SGS Ref.#	994949	Lab Control Sample	**Printed Date/Time**	10/08/2010	9:55
			Prep Batch		
Client Name	Nortech		**Method**		
Project Name/#	CMI 10-1088		**Date**		
Matrix	Soil/Solid (dry weight)				

Parameter		QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
Volatile Gas Chromatography/Mass Spectroscopy								
1,1,1,2-Tetrachloroethane	LCS	768	102	(77-123)			750 ug/Kg	10/04/2010
1,1,1-Trichloroethane	LCS	772	103	(77-129)			750 ug/Kg	10/04/2010
1,1,2,2-Tetrachloroethane	LCS	749	100	(80-122)			750 ug/Kg	10/04/2010
1,1,2-Trichloroethane	LCS	757	101	(85-121)			750 ug/Kg	10/04/2010
1,1-Dichloroethane	LCS	827	110	(81-126)			750 ug/Kg	10/04/2010
1,1-Dichloroethene	LCS	767	102	(75-125)			750 ug/Kg	10/04/2010
1,1-Dichloropropene	LCS	799	106	(76-134)			750 ug/Kg	10/04/2010
1,2,3-Trichlorobenzene	LCS	599	80	(78-124)			750 ug/Kg	10/04/2010
1,2,3-Trichloropropane	LCS	698	93	(77-125)			750 ug/Kg	10/04/2010
1,2,4-Trichlorobenzene	LCS	627	84	(77-126)			750 ug/Kg	10/04/2010
1,2,4-Trimethylbenzene	LCS	667	89	(85-121)			750 ug/Kg	10/04/2010
1,2-Dibromo-3-chloropropane	LCS	744	99	(60-135)			750 ug/Kg	10/04/2010
1,2-Dibromoethane	LCS	787	105	(85-124)			750 ug/Kg	10/04/2010
1,2-Dichlorobenzene	LCS	742	99	(88-113)			750 ug/Kg	10/04/2010
1,2-Dichloroethane	LCS	759	101	(83-121)			750 ug/Kg	10/04/2010
1,2-Dichloropropane	LCS	777	104	(81-120)			750 ug/Kg	10/04/2010
1,3,5-Trimethylbenzene	LCS	691	92	(87-120)			750 ug/Kg	10/04/2010
1,3-Dichlorobenzene	LCS	768	102	(86-117)			750 ug/Kg	10/04/2010
1,3-Dichloropropane	LCS	773	103	(84-123)			750 ug/Kg	10/04/2010
1,4-Dichlorobenzene	LCS	733	98	(86-118)			750 ug/Kg	10/04/2010
2,2-Dichloropropane	LCS	783	104	(69-132)			750 ug/Kg	10/04/2010

SGS Ref.#	994949	Lab Control Sample	**Printed Date/Time**	10/08/2010	9:55
			Prep Batch		
Client Name	Nortech		**Method**		
Project Name/#	CMI 10-1088		**Date**		
Matrix	Soil/Solid (dry weight)				

Parameter		QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
Volatile Gas Chromatography/Mass Spectroscopy								
2-Butanone (MEK)	LCS	2070	92	(57-135)			2250 ug/Kg	10/04/2010
2-Chlorotoluene	LCS	782	104	(81-122)			750 ug/Kg	10/04/2010
2-Hexanone	LCS	2150	95	(58-145)			2250 ug/Kg	10/04/2010
4-Chlorotoluene	LCS	696	93	(84-120)			750 ug/Kg	10/04/2010
4-Isopropyltoluene	LCS	674	90	(83-121)			750 ug/Kg	10/04/2010
4-Methyl-2-pentanone (MIBK)	LCS	2270	101	(67-135)			2250 ug/Kg	10/04/2010
Benzene	LCS	771	103	(81-124)			750 ug/Kg	10/04/2010
Bromobenzene	LCS	772	103	(86-119)			750 ug/Kg	10/04/2010
Bromochloromethane	LCS	785	105	(79-125)			750 ug/Kg	10/04/2010
Bromodichloromethane	LCS	759	101	(81-127)			750 ug/Kg	10/04/2010
Bromoform	LCS	782	104	(72-135)			750 ug/Kg	10/04/2010
Bromomethane	LCS	921	123	(49-141)			750 ug/Kg	10/04/2010
Carbon disulfide	LCS	1140	101	(58-155)			1130 ug/Kg	10/04/2010
Carbon tetrachloride	LCS	763	102	(79-128)			750 ug/Kg	10/04/2010
Chlorobenzene	LCS	796	106	(84-121)			750 ug/Kg	10/04/2010
Chloroethane	LCS	755	101	(51-141)			750 ug/Kg	10/04/2010
Chloroform	LCS	764	102	(77-124)			750 ug/Kg	10/04/2010
Chloromethane	LCS	882	118	(54-129)			750 ug/Kg	10/04/2010
cis-1,2-Dichloroethene	LCS	766	102	(82-124)			750 ug/Kg	10/04/2010
cis-1,3-Dichloropropene	LCS	834	111	(82-122)			750 ug/Kg	10/04/2010

SGS Ref.#	994949	Lab Control Sample	**Printed Date/Time**	10/08/2010	9:55
			Prep Batch		
Client Name	Nortech		**Method**		
Project Name/#	CMI 10-1088		**Date**		
Matrix	Soil/Solid (dry weight)				

Parameter		QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
Volatile Gas Chromatography/Mass Spectroscopy								
Dibromochloromethane	LCS	777	104	(84-125)			750 ug/Kg	10/04/2010
Dibromomethane	LCS	748	100	(80-123)			750 ug/Kg	10/04/2010
Dichlorodifluoromethane	LCS	769	103	(43-135)			750 ug/Kg	10/04/2010
Ethylbenzene	LCS	790	105	(87-119)			750 ug/Kg	10/04/2010
Hexachlorobutadiene	LCS	621	83	(74-124)			750 ug/Kg	10/04/2010
Isopropylbenzene (Cumene)	LCS	797	106	(89-121)			750 ug/Kg	10/04/2010
Methylene chloride	LCS	707	94	(63-137)			750 ug/Kg	10/04/2010
Methyl-t-butyl ether	LCS	1150	102	(76-133)			1130 ug/Kg	10/04/2010
Naphthalene	LCS	676	90	(73-131)			750 ug/Kg	10/04/2010
n-Butylbenzene	LCS	714	95	(82-127)			750 ug/Kg	10/04/2010
n-Propylbenzene	LCS	792	106	(82-125)			750 ug/Kg	10/04/2010
o-Xylene	LCS	728	97	(89-120)			750 ug/Kg	10/04/2010
P & M -Xylene	LCS	1430	95	(88-121)			1500 ug/Kg	10/04/2010
sec-Butylbenzene	LCS	698	93	(84-122)			750 ug/Kg	10/04/2010
Styrene	LCS	734	98	(91-120)			750 ug/Kg	10/04/2010
tert-Butylbenzene	LCS	726	97	(82-122)			750 ug/Kg	10/04/2010
Tetrachloroethene	LCS	764	102	(82-125)			750 ug/Kg	10/04/2010
Toluene	LCS	822	110	(87-119)			750 ug/Kg	10/04/2010
trans-1,2-Dichloroethene	LCS	778	104	(79-125)			750 ug/Kg	10/04/2010
trans-1,3-Dichloropropene	LCS	724	97	(86-122)			750 ug/Kg	10/04/2010
Trichloroethene	LCS	755	101	(77-124)			750 ug/Kg	10/04/2010

SGS Ref.#	994949	Lab Control Sample	**Printed Date/Time**	10/08/2010	9:55
			Prep Batch		
Client Name	Nortech		**Method**		
Project Name/#	CMI 10-1088		**Date**		
Matrix	Soil/Solid (dry weight)				

Parameter		QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
Volatile Gas Chromatography/Mass Spectroscopy								
Trichlorofluoromethane	LCS	793	106	(64-139)			750 ug/Kg	10/04/2010
Vinyl chloride	LCS	858	114	(67-125)			750 ug/Kg	10/04/2010
Xylenes (total)	LCS	2160	96	(89-120)			2250 ug/Kg	10/04/2010
Surrogates								
1,2-Dichloroethane-D4 <surr>	LCS		100	(69-132)				10/04/2010
4-Bromofluorobenzene <surr>	LCS		99	(65-144)				10/04/2010
Toluene-d8 <surr>	LCS		108	(84-124)				10/04/2010

Batch VMS11659
Method SW8260B
Instrument HP 5890 Series II MS5 VLA

SGS Ref.#	994975	Lab Control Sample	**Printed Date/Time**	10/08/2010	9:55
			Prep Batch	MXX23621	
Client Name	Nortech		**Method**	SW3010A	
Project Name/#	CMI 10-1088		**Date**	10/04/2010	
Matrix	Water (Surface, Eff., Ground)				

QC results affect the following production samples:

1106758001

Parameter		QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
Metals by ICP/MS								
Lead	LCS	1000	100	(80-120)			1000 ug/L	10/07/2010

Batch MMS6736
Method SW6020
Instrument Perkin Elmer Sciex ICP-MS P3

SGS Ref.#	995187	Lab Control Sample	**Printed Date/Time**	10/08/2010	9:55
			Prep Batch		
Client Name	Nortech		**Method**		
Project Name/#	CMI 10-1088		**Date**		
Matrix	Soil/Solid (dry weight)				

QC results affect the following production samples:

1106758006, 1106758007

Parameter	QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date

Volatile Gas Chromatography/Mass Spectroscopy

SGS Ref.#	995187	Lab Control Sample	**Printed Date/Time**	10/08/2010	9:55
			Prep Batch		
Client Name	Nortech		**Method**		
Project Name/#	CMI 10-1088		**Date**		
Matrix	Soil/Solid (dry weight)				

Parameter		QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
Volatile Gas Chromatography/Mass Spectroscopy								
1,1,1,2-Tetrachloroethane	LCS	814	109	(77-123)			750 ug/Kg	10/05/2010
1,1,1-Trichloroethane	LCS	825	110	(77-129)			750 ug/Kg	10/05/2010
1,1,2,2-Tetrachloroethane	LCS	773	103	(80-122)			750 ug/Kg	10/05/2010
1,1,2-Trichloroethane	LCS	789	105	(85-121)			750 ug/Kg	10/05/2010
1,1-Dichloroethane	LCS	687	92	(81-126)			750 ug/Kg	10/05/2010
1,1-Dichloroethene	LCS	632	84	(75-125)			750 ug/Kg	10/05/2010
1,1-Dichloropropene	LCS	821	109	(76-134)			750 ug/Kg	10/05/2010
1,2,3-Trichlorobenzene	LCS	695	93	(78-124)			750 ug/Kg	10/05/2010
1,2,3-Trichloropropane	LCS	716	96	(77-125)			750 ug/Kg	10/05/2010
1,2,4-Trichlorobenzene	LCS	683	91	(77-126)			750 ug/Kg	10/05/2010
1,2,4-Trimethylbenzene	LCS	712	95	(85-121)			750 ug/Kg	10/05/2010
1,2-Dibromo-3-chloropropane	LCS	725	97	(60-135)			750 ug/Kg	10/05/2010
1,2-Dibromoethane	LCS	818	109	(85-124)			750 ug/Kg	10/05/2010
1,2-Dichlorobenzene	LCS	761	101	(88-113)			750 ug/Kg	10/05/2010
1,2-Dichloroethane	LCS	770	103	(83-121)			750 ug/Kg	10/05/2010
1,2-Dichloropropane	LCS	813	108	(81-120)			750 ug/Kg	10/05/2010
1,3,5-Trimethylbenzene	LCS	708	94	(87-120)			750 ug/Kg	10/05/2010
1,3-Dichlorobenzene	LCS	795	106	(86-117)			750 ug/Kg	10/05/2010
1,3-Dichloropropane	LCS	776	103	(84-123)			750 ug/Kg	10/05/2010
1,4-Dichlorobenzene	LCS	837	112	(86-118)			750 ug/Kg	10/05/2010
2,2-Dichloropropane	LCS	751	100	(69-132)			750 ug/Kg	10/05/2010

SGS Ref.#	995187	Lab Control Sample	**Printed Date/Time**	10/08/2010	9:55
			Prep Batch		
Client Name	Nortech		**Method**		
Project Name/#	CMI 10-1088		**Date**		
Matrix	Soil/Solid (dry weight)				

Parameter		QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
Volatile Gas Chromatography/Mass Spectroscopy								
2-Butanone (MEK)	LCS	1870	83	(57-135)			2250 ug/Kg	10/05/2010
2-Chlorotoluene	LCS	804	107	(81-122)			750 ug/Kg	10/05/2010
2-Hexanone	LCS	1800	80	(58-145)			2250 ug/Kg	10/05/2010
4-Chlorotoluene	LCS	696	93	(84-120)			750 ug/Kg	10/05/2010
4-Isopropyltoluene	LCS	723	96	(83-121)			750 ug/Kg	10/05/2010
4-Methyl-2-pentanone (MIBK)	LCS	2240	100	(67-135)			2250 ug/Kg	10/05/2010
Benzene	LCS	828	110	(81-124)			750 ug/Kg	10/05/2010
Bromobenzene	LCS	860	115	(86-119)			750 ug/Kg	10/05/2010
Bromochloromethane	LCS	764	102	(79-125)			750 ug/Kg	10/05/2010
Bromodichloromethane	LCS	786	105	(81-127)			750 ug/Kg	10/05/2010
Bromoform	LCS	829	111	(72-135)			750 ug/Kg	10/05/2010
Bromomethane	LCS	741	99	(49-141)			750 ug/Kg	10/05/2010
Carbon disulfide	LCS	904	80	(58-155)			1130 ug/Kg	10/05/2010
Carbon tetrachloride	LCS	836	111	(79-128)			750 ug/Kg	10/05/2010
Chlorobenzene	LCS	834	111	(84-121)			750 ug/Kg	10/05/2010
Chloroethane	LCS	731	98	(51-141)			750 ug/Kg	10/05/2010
Chloroform	LCS	777	104	(77-124)			750 ug/Kg	10/05/2010
Chloromethane	LCS	731	98	(54-129)			750 ug/Kg	10/05/2010
cis-1,2-Dichloroethene	LCS	732	98	(82-124)			750 ug/Kg	10/05/2010
cis-1,3-Dichloropropene	LCS	848	113	(82-122)			750 ug/Kg	10/05/2010

SGS Ref.#	995187	Lab Control Sample	**Printed Date/Time**	10/08/2010	9:55
			Prep Batch		
Client Name	Nortech		**Method**		
Project Name/#	CMI 10-1088		**Date**		
Matrix	Soil/Solid (dry weight)				

Parameter		QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
Volatile Gas Chromatography/Mass Spectroscopy								
Dibromochloromethane	LCS	816	109	(84-125)			750 ug/Kg	10/05/2010
Dibromomethane	LCS	798	106	(80-123)			750 ug/Kg	10/05/2010
Dichlorodifluoromethane	LCS	788	105	(43-135)			750 ug/Kg	10/05/2010
Ethylbenzene	LCS	860	115	(87-119)			750 ug/Kg	10/05/2010
Hexachlorobutadiene	LCS	728	97	(74-124)			750 ug/Kg	10/05/2010
Isopropylbenzene (Cumene)	LCS	819	109	(89-121)			750 ug/Kg	10/05/2010
Methylene chloride	LCS	622	83	(63-137)			750 ug/Kg	10/05/2010
Methyl-t-butyl ether	LCS	1010	90	(76-133)			1130 ug/Kg	10/05/2010
Naphthalene	LCS	666	89	(73-131)			750 ug/Kg	10/05/2010
n-Butylbenzene	LCS	731	97	(82-127)			750 ug/Kg	10/05/2010
n-Propylbenzene	LCS	816	109	(82-125)			750 ug/Kg	10/05/2010
o-Xylene	LCS	755	101	(89-120)			750 ug/Kg	10/05/2010
P & M -Xylene	LCS	1470	98	(88-121)			1500 ug/Kg	10/05/2010
sec-Butylbenzene	LCS	723	96	(84-122)			750 ug/Kg	10/05/2010
Styrene	LCS	735	98	(91-120)			750 ug/Kg	10/05/2010
tert-Butylbenzene	LCS	787	105	(82-122)			750 ug/Kg	10/05/2010
Tetrachloroethene	LCS	879	117	(82-125)			750 ug/Kg	10/05/2010
Toluene	LCS	812	108	(87-119)			750 ug/Kg	10/05/2010
trans-1,2-Dichloroethene	LCS	679	91	(79-125)			750 ug/Kg	10/05/2010
trans-1,3-Dichloropropene	LCS	750	100	(86-122)			750 ug/Kg	10/05/2010
Trichloroethene	LCS	795	106	(77-124)			750 ug/Kg	10/05/2010

SGS Ref.#	995187	Lab Control Sample	**Printed Date/Time**	10/08/2010	9:55
			Prep Batch		
Client Name	Nortech		**Method**		
Project Name/#	CMI 10-1088		**Date**		
Matrix	Soil/Solid (dry weight)				

Parameter		QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
Volatile Gas Chromatography/Mass Spectroscopy								
Trichlorofluoromethane	LCS	740	99	(64-139)			750 ug/Kg	10/05/2010
Vinyl chloride	LCS	713	95	(67-125)			750 ug/Kg	10/05/2010
Xylenes (total)	LCS	2220	99	(89-120)			2250 ug/Kg	10/05/2010
Surrogates								
1,2-Dichloroethane-D4 <surr>	LCS		99	(69-132)				10/05/2010
4-Bromofluorobenzene <surr>	LCS		104	(65-144)				10/05/2010
Toluene-d8 <surr>	LCS		107	(84-124)				10/05/2010

Batch VMS11662
Method SW8260B
Instrument HP 5890 Series II MS5 VLA

SGS Ref.#	993386	Matrix Spike	**Printed Date/Time**	10/08/2010 9:55
	993387	Matrix Spike Duplicate	**Prep Batch**	MXX23597
			Method	Soils/Solids Digest for Metals b
			Date	09/28/2010
Original	1105171003			
Matrix	Soil/Solid (dry weight)			

QC results affect the following production samples:

1106758007

Parameter	Qualifiers		Original Result	QC Result	Pct Recov	MS/MSD Limits	RPD	RPD Limits	Spiked Amount		Analysis Date
Metals by ICP/MS											
Lead		MS	6.87	50.8	83	(80-120)			53.3	mg/Kg	09/29/2010
		MSD		49.5	82		3	(< 20)	52.1	mg/Kg	09/29/2010

Batch	MMS6719
Method	SW6020
Instrument	Perkin Elmer Sciex ICP-MS P4

SGS Ref.#	994127	Matrix Spike	**Printed Date/Time**	10/08/2010	9:55
	994128	Matrix Spike Duplicate	**Prep Batch**		
			Method		
			Date		
Original	994288				
Matrix	Soil/Solid (dry weight)				

QC results affect the following production samples:

1106758007, 1106758009

Parameter	Qualifiers		Original Result	QC Result	Pct Recov	MS/MSD Limits	RPD	RPD Limits	Spiked Amount		Analysis Date
Volatile Fuels Department											
Benzene		MS	ND	938	105	(80-125)			892	ug/Kg	10/01/2010
		MSD		945	106		1	(< 20)	892	ug/Kg	10/01/2010
Ethylbenzene		MS	ND	977	110	(85-125)			892	ug/Kg	10/01/2010
		MSD		990	111		1	(< 20)	892	ug/Kg	10/01/2010
o-Xylene		MS	ND	977	110	(85-125)			892	ug/Kg	10/01/2010
		MSD		988	111		1	(< 20)	892	ug/Kg	10/01/2010
P & M -Xylene		MS	ND	1960	110	(85-125)			1780	ug/Kg	10/01/2010
		MSD		1990	111		1	(< 20)	1780	ug/Kg	10/01/2010
Toluene		MS	ND	952	107	(85-120)			892	ug/Kg	10/01/2010
		MSD		959	108		1	(< 20)	892	ug/Kg	10/01/2010
Surrogates											
1,4-Difluorobenzene <surr>		MS		875	98	(80-120)					10/01/2010
		MSD		875	98		0				10/01/2010

Batch VFC10203
Method SW8021B
Instrument HP 5890 Series II PID+HECD VBA

SGS Ref.#	994506	Matrix Spike	**Printed Date/Time**	10/08/2010 9:55
	994507	Matrix Spike Duplicate	**Prep Batch**	
			Method	
			Date	

Original 1106753005
Matrix Soil/Solid (dry weight)

QC results affect the following production samples:
1106758008

Parameter	Qualifiers		Original Result	QC Result	Pct Recov	MS/MSD Limits	RPD	RPD Limits	Spiked Amount		Analysis Date
Volatile Fuels Department											
Benzene	MS		ND	1527	110	(80-125)			1384	ug/Kg	10/01/2010
	MSD			1475	106		3	(< 20)	1384	ug/Kg	10/01/2010
Ethylbenzene	MS		ND	1591	115	(85-125)			1384	ug/Kg	10/01/2010
	MSD			1539	111		3	(< 20)	1384	ug/Kg	10/01/2010
o-Xylene	MS		ND	1591	115	(85-125)			1384	ug/Kg	10/01/2010
	MSD			1539	111		4	(< 20)	1384	ug/Kg	10/01/2010
P & M -Xylene	MS		ND	3195	116	(85-125)			2768	ug/Kg	10/01/2010
	MSD			3092	112		3	(< 20)	2768	ug/Kg	10/01/2010
Toluene	MS		ND	1552	112	(85-120)			1384	ug/Kg	10/01/2010
	MSD			1501	108		4	(< 20)	1384	ug/Kg	10/01/2010
Surrogates											
1,4-Difluorobenzene <surr>	MS			1371	100	(80-120)					10/01/2010
	MSD			1371	99		0				10/01/2010

Batch VFC10208
Method SW8021B
Instrument HP 5890 Series II PID+HECD VBA

SGS Ref.#	994951	Matrix Spike	**Printed Date/Time**	10/08/2010	9:55
	994952	Matrix Spike Duplicate	**Prep Batch**		
			Method		
			Date		
Original	994950				
Matrix	Solid/Soil (Wet Weight)				

QC results affect the following production samples:

1106758006, 1106758009

Parameter	Qualifiers	Original Result	QC Result	Pct Recov	MS/MSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date

Volatile Gas Chromatography/Mass Spectroscopy

SGS Ref.#	994951	Matrix Spike	**Printed Date/Time**	10/08/2010	9:55
	994952	Matrix Spike Duplicate	**Prep Batch**		
			Method		
			Date		
Original	994950				
Matrix	Solid/Soil (Wet Weight)				

Parameter	Qualifiers	Original Result	QC Result	Pct Recov	MS/MSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
Volatile Gas Chromatography/Mass Spectroscopy									
1,1,1,2-Tetrachloroethane	MS	ND	947	106	(77-123)			895 ug/Kg	10/04/2010
	MSD		968	108		2	(< 20)	895 ug/Kg	10/04/2010
1,1,1-Trichloroethane	MS	ND	603	67*	(77-129)			895 ug/Kg	10/04/2010
	MSD		1050	117		54 *	(< 20)	895 ug/Kg	10/04/2010
1,1,2,2-Tetrachloroethane	MS	ND	973	109	(80-122)			895 ug/Kg	10/04/2010
	MSD		996	111		2	(< 20)	895 ug/Kg	10/04/2010
1,1,2-Trichloroethane	MS	ND	909	102	(85-121)			895 ug/Kg	10/04/2010
	MSD		923	103		2	(< 20)	895 ug/Kg	10/04/2010
1,1-Dichloroethane	MS	ND	550	61*	(81-126)			895 ug/Kg	10/04/2010
	MSD		924	103		51 *	(< 20)	895 ug/Kg	10/04/2010
1,1-Dichloroethene	MS	ND	976	109	(75-125)			895 ug/Kg	10/04/2010
	MSD		1030	116		6	(< 20)	895 ug/Kg	10/04/2010
1,1-Dichloropropene	MS	ND	604	68*	(76-134)			895 ug/Kg	10/04/2010
	MSD		940	105		44 *	(< 20)	895 ug/Kg	10/04/2010
1,2,3-Trichlorobenzene	MS	ND	922	103	(78-124)			895 ug/Kg	10/04/2010
	MSD		1030	116		12	(< 20)	895 ug/Kg	10/04/2010
1,2,3-Trichloropropane	MS	ND	895	100	(77-125)			895 ug/Kg	10/04/2010
	MSD		936	105		4	(< 20)	895 ug/Kg	10/04/2010
1,2,4-Trichlorobenzene	MS	ND	852	95	(77-126)			895 ug/Kg	10/04/2010
	MSD		891	100		5	(< 20)	895 ug/Kg	10/04/2010
1,2,4-Trimethylbenzene	MS	ND	842	94	(85-121)			895 ug/Kg	10/04/2010
	MSD		865	97		3	(< 20)	895 ug/Kg	10/04/2010
1,2-Dibromo-3-chloropropane	MS	ND	965	108	(60-135)			895 ug/Kg	10/04/2010
	MSD		1080	121		11	(< 20)	895 ug/Kg	10/04/2010
1,2-Dibromoethane	MS	ND	936	105	(85-124)			895 ug/Kg	10/04/2010
	MSD		970	108		4	(< 20)	895 ug/Kg	10/04/2010
1,2-Dichlorobenzene	MS	ND	922	103	(88-113)			895 ug/Kg	10/04/2010
	MSD		987	110		7	(< 20)	895 ug/Kg	10/04/2010
1,2-Dichloroethane	MS	ND	937	105	(83-121)			895 ug/Kg	10/04/2010
	MSD		923	103		2	(< 20)	895 ug/Kg	10/04/2010
1,2-Dichloropropane	MS	ND	973	109	(81-120)			895 ug/Kg	10/04/2010
	MSD		940	105		3	(< 20)	895 ug/Kg	10/04/2010
1,3,5-Trimethylbenzene	MS	ND	840	94	(87-120)			895 ug/Kg	10/04/2010
	MSD		879	98		5	(< 20)	895 ug/Kg	10/04/2010
1,3-Dichlorobenzene	MS	ND	933	104	(86-117)			895 ug/Kg	10/04/2010
	MSD		965	108		3	(< 20)	895 ug/Kg	10/04/2010
1,3-Dichloropropane	MS	ND	934	104	(84-123)			895 ug/Kg	10/04/2010
	MSD		997	111		7	(< 20)	895 ug/Kg	10/04/2010
1,4-Dichlorobenzene	MS	ND	927	104	(86-118)			895 ug/Kg	10/04/2010
	MSD		996	111		7	(< 20)	895 ug/Kg	10/04/2010

SGS Ref.#	994951	Matrix Spike	**Printed Date/Time**	10/08/2010	9:55
	994952	Matrix Spike Duplicate	**Prep Batch**		
			Method		
			Date		
Original	994950				
Matrix	Solid/Soil (Wet Weight)				

Parameter	Qualifiers	Original Result	QC Result	Pct Recov	MS/MSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
Volatile Gas Chromatography/Mass Spectroscopy									
2,2-Dichloropropane	MS	ND	964	108	(69-132)			895 ug/Kg	10/04/2010
	MSD		964	108		0	(< 20)	895 ug/Kg	10/04/2010
2-Butanone (MEK)	MS	ND	2810	105	(57-135)			2680 ug/Kg	10/04/2010
	MSD		2600	97		8	(< 20)	2680 ug/Kg	10/04/2010
2-Chlorotoluene	MS	ND	947	106	(81-122)			895 ug/Kg	10/04/2010
	MSD		968	108		2	(< 20)	895 ug/Kg	10/04/2010
2-Hexanone	MS	ND	2590	97	(58-145)			2680 ug/Kg	10/04/2010
	MSD		2680	100		3	(< 20)	2680 ug/Kg	10/04/2010
4-Chlorotoluene	MS	ND	870	97	(84-120)			895 ug/Kg	10/04/2010
	MSD		858	96		1	(< 20)	895 ug/Kg	10/04/2010
4-Isopropyltoluene	MS	ND	825	92	(83-121)			895 ug/Kg	10/04/2010
	MSD		864	97		5	(< 20)	895 ug/Kg	10/04/2010
4-Methyl-2-pentanone (MIBK)	MS	ND	3020	113	(67-135)			2680 ug/Kg	10/04/2010
	MSD		2760	103		9	(< 20)	2680 ug/Kg	10/04/2010
Benzene	MS	ND	968	108	(81-124)			895 ug/Kg	10/04/2010
	MSD		937	105		3	(< 20)	895 ug/Kg	10/04/2010
Bromobenzene	MS	ND	969	108	(86-119)			895 ug/Kg	10/04/2010
	MSD		1000	112		3	(< 20)	895 ug/Kg	10/04/2010
Bromochloromethane	MS	ND	993	111	(79-125)			895 ug/Kg	10/04/2010
	MSD		896	100		10	(< 20)	895 ug/Kg	10/04/2010
Bromodichloromethane	MS	ND	977	109	(81-127)			895 ug/Kg	10/04/2010
	MSD		931	104		5	(< 20)	895 ug/Kg	10/04/2010
Bromoform	MS	ND	956	107	(72-135)			895 ug/Kg	10/04/2010
	MSD		954	107		0	(< 20)	895 ug/Kg	10/04/2010
Bromomethane	MS	ND	975	109	(49-141)			895 ug/Kg	10/04/2010
	MSD		1010	113		3	(< 20)	895 ug/Kg	10/04/2010
Carbon disulfide	MS	ND	1320	98	(58-155)			1340 ug/Kg	10/04/2010
	MSD		1320	98		0	(< 20)	1340 ug/Kg	10/04/2010
Carbon tetrachloride	MS	ND	618	69*	(79-128)			895 ug/Kg	10/04/2010
	MSD		1100	123		56 *	(< 20)	895 ug/Kg	10/04/2010
Chlorobenzene	MS	ND	958	107	(84-121)			895 ug/Kg	10/04/2010
	MSD		977	109		2	(< 20)	895 ug/Kg	10/04/2010
Chloroethane	MS	ND	857	96	(51-141)			895 ug/Kg	10/04/2010
	MSD		897	100		5	(< 20)	895 ug/Kg	10/04/2010
Chloroform	MS	ND	952	106	(77-124)			895 ug/Kg	10/04/2010
	MSD		922	103		3	(< 20)	895 ug/Kg	10/04/2010
Chloromethane	MS	ND	922	103	(54-129)			895 ug/Kg	10/04/2010
	MSD		947	106		3	(< 20)	895 ug/Kg	10/04/2010
cis-1,2-Dichloroethene	MS	ND	927	104	(82-124)			895 ug/Kg	10/04/2010
	MSD		862	96		7	(< 20)	895 ug/Kg	10/04/2010

SGS Ref.#	994951	Matrix Spike	**Printed Date/Time**	10/08/2010 9:55
	994952	Matrix Spike Duplicate	**Prep Batch**	
			Method	
			Date	
Original	994950			
Matrix	Solid/Soil (Wet Weight)			

Parameter	Qualifiers		Original Result	QC Result	Pct Recov	MS/MSD Limits	RPD	RPD Limits	Spiked Amount		Analysis Date
Volatile Gas Chromatography/Mass Spectroscopy											
cis-1,3-Dichloropropene	MS	ND		1100	122	(82-122)			895	ug/Kg	10/04/2010
	MSD			1010	113		8	(< 20)	895	ug/Kg	10/04/2010
Dibromochloromethane	MS	ND		980	110	(84-125)			895	ug/Kg	10/04/2010
	MSD			1000	112		2	(< 20)	895	ug/Kg	10/04/2010
Dibromomethane	MS	ND		1010	113	(80-123)			895	ug/Kg	10/04/2010
	MSD			938	105		8	(< 20)	895	ug/Kg	10/04/2010
Dichlorodifluoromethane	MS	ND		796	89	(43-135)			895	ug/Kg	10/04/2010
	MSD			853	95		7	(< 20)	895	ug/Kg	10/04/2010
Ethylbenzene	MS	ND		995	111	(87-119)			895	ug/Kg	10/04/2010
	MSD			985	110		1	(< 20)	895	ug/Kg	10/04/2010
Hexachlorobutadiene	MS	ND		832	93	(74-124)			895	ug/Kg	10/04/2010
	MSD			841	94		1	(< 20)	895	ug/Kg	10/04/2010
Isopropylbenzene (Cumene)	MS	ND		979	109	(89-121)			895	ug/Kg	10/04/2010
	MSD			979	109		0	(< 20)	895	ug/Kg	10/04/2010
Methylene chloride	MS	ND		839	94	(63-137)			895	ug/Kg	10/04/2010
	MSD			838	94		0	(< 20)	895	ug/Kg	10/04/2010
Methyl-t-butyl ether	MS	ND		1230	92	(76-133)			1340	ug/Kg	10/04/2010
	MSD			1340	100		9	(< 20)	1340	ug/Kg	10/04/2010
Naphthalene	MS	ND		953	107	(73-131)			895	ug/Kg	10/04/2010
	MSD			998	112		5	(< 20)	895	ug/Kg	10/04/2010
n-Butylbenzene	MS	ND		893	100	(82-127)			895	ug/Kg	10/04/2010
	MSD			882	99		1	(< 20)	895	ug/Kg	10/04/2010
n-Propylbenzene	MS	ND		975	109	(82-125)			895	ug/Kg	10/04/2010
	MSD			1010	112		3	(< 20)	895	ug/Kg	10/04/2010
o-Xylene	MS	ND		875	98	(89-120)			895	ug/Kg	10/04/2010
	MSD			914	102		5	(< 20)	895	ug/Kg	10/04/2010
P & M -Xylene	MS	ND		1770	99	(88-121)			1790	ug/Kg	10/04/2010
	MSD			1690	94		5	(< 20)	1790	ug/Kg	10/04/2010
sec-Butylbenzene	MS	ND		838	94	(84-122)			895	ug/Kg	10/04/2010
	MSD			865	97		3	(< 20)	895	ug/Kg	10/04/2010
Styrene	MS	ND		896	100	(91-120)			895	ug/Kg	10/04/2010
	MSD			892	100		1	(< 20)	895	ug/Kg	10/04/2010
tert-Butylbenzene	MS	ND		927	104	(82-122)			895	ug/Kg	10/04/2010
	MSD			960	107		4	(< 20)	895	ug/Kg	10/04/2010
Tetrachloroethene	MS	ND		992	111	(82-125)			895	ug/Kg	10/04/2010
	MSD			975	109		2	(< 20)	895	ug/Kg	10/04/2010
Toluene	MS	ND		976	109	(87-119)			895	ug/Kg	10/04/2010
	MSD			990	111		1	(< 20)	895	ug/Kg	10/04/2010
trans-1,2-Dichloroethene	MS	ND		897	100	(79-125)			895	ug/Kg	10/04/2010
	MSD			888	99		1	(< 20)	895	ug/Kg	10/04/2010

SGS Ref.#	994951	Matrix Spike	**Printed Date/Time**	10/08/2010 9:55
	994952	Matrix Spike Duplicate	**Prep Batch**	
			Method	
			Date	
Original	994950			
Matrix	Solid/Soil (Wet Weight)			

Parameter	Qualifiers		Original Result	QC Result	Pct Recov	MS/MSD Limits	RPD	RPD Limits	Spiked Amount		Analysis Date
Volatile Gas Chromatography/Mass Spectroscopy											
trans-1,3-Dichloropropene	MS	ND		884	99	(86-122)			895	ug/Kg	10/04/2010
	MSD			883	99		0	(< 20)	895	ug/Kg	10/04/2010
Trichloroethene	MS	ND		925	103	(77-124)			895	ug/Kg	10/04/2010
	MSD			913	102		1	(< 20)	895	ug/Kg	10/04/2010
Trichlorofluoromethane	MS	ND		878	98	(64-139)			895	ug/Kg	10/04/2010
	MSD			934	104		6	(< 20)	895	ug/Kg	10/04/2010
Vinyl chloride	MS	ND		911	102	(67-125)			895	ug/Kg	10/04/2010
	MSD			945	106		4	(< 20)	895	ug/Kg	10/04/2010
Xylenes (total)	MS	ND		2640	98	(89-120)			2680	ug/Kg	10/04/2010
	MSD			2600	97		2	(< 20)	2680	ug/Kg	10/04/2010
Surrogates											
1,2-Dichloroethane-D4 <surr>	MS			857	96	(69-132)					10/04/2010
	MSD			913	102		6				10/04/2010
4-Bromofluorobenzene <surr>	MS			1730	90	(65-144)					10/04/2010
	MSD			1790	93		3				10/04/2010
Toluene-d8 <surr>	MS			950	106	(84-124)					10/04/2010
	MSD			954	107		1				10/04/2010

Batch VMS11659
Method SW8260B
Instrument HP 5890 Series II MS5 VLA

SGS Ref.#	994976	Matrix Spike	**Printed Date/Time**	10/08/2010 9:55
	994977	Matrix Spike Duplicate	**Prep Batch**	MXX23621
			Method	3010 H20 Digest for Metals ICI
			Date	10/04/2010
Original	1105187003			
Matrix	Water (Surface, Eff., Ground)			

QC results affect the following production samples:

1106758001

Parameter	Qualifiers	Original Result	QC Result	Pct Recov	MS/MSD Limits	RPD	RPD Limits	Spiked Amount		Analysis Date
Metals by ICP/MS										
Lead	MS	ND	982	98	(80-120)			1000	ug/L	10/07/2010
	MSD		1000	100		2	(< 15)	1000	ug/L	10/07/2010

Batch	MMS6736
Method	SW6020
Instrument	Perkin Elmer Sciex ICP-MS P3

SGS Ref.#	995194	Matrix Spike	**Printed Date/Time**	10/08/2010	9:55
	995195	Matrix Spike Duplicate	**Prep Batch**		
			Method		
			Date		
Original	995188				
Matrix	Solid/Soil (Wet Weight)				

QC results affect the following production samples:

1106758006, 1106758007

Parameter	Qualifiers	Original Result	QC Result	Pct Recov	MS/MSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date

Volatile Gas Chromatography/Mass Spectroscopy

SGS Ref.#	995194	Matrix Spike	**Printed Date/Time**	10/08/2010	9:55
	995195	Matrix Spike Duplicate	**Prep Batch**		
			Method		
			Date		
Original	995188				
Matrix	Solid/Soil (Wet Weight)				

Parameter	Qualifiers		Original Result	QC Result	Pct Recov	MS/MSD Limits	RPD	RPD Limits	Spiked Amount		Analysis Date
Volatile Gas Chromatography/Mass Spectroscopy											
1,1,1,2-Tetrachloroethane	MS	ND		1300	118	(77-123)			1100	ug/Kg	10/05/2010
	MSD			1190	108		9	(< 20)	1100	ug/Kg	10/05/2010
1,1,1-Trichloroethane	MS	ND		1230	111	(77-129)			1100	ug/Kg	10/05/2010
	MSD			1230	111		0	(< 20)	1100	ug/Kg	10/05/2010
1,1,2,2-Tetrachloroethane	MS	ND		1190	108	(80-122)			1100	ug/Kg	10/05/2010
	MSD			1120	101		6	(< 20)	1100	ug/Kg	10/05/2010
1,1,2-Trichloroethane	MS	ND		1220	111	(85-121)			1100	ug/Kg	10/05/2010
	MSD			1090	99		11	(< 20)	1100	ug/Kg	10/05/2010
1,1-Dichloroethane	MS	ND		1070	97	(81-126)			1100	ug/Kg	10/05/2010
	MSD			1090	99		1	(< 20)	1100	ug/Kg	10/05/2010
1,1-Dichloroethene	MS	ND		1080	98	(75-125)			1100	ug/Kg	10/05/2010
	MSD			1160	105		7	(< 20)	1100	ug/Kg	10/05/2010
1,1-Dichloropropene	MS	ND		1250	113	(76-134)			1100	ug/Kg	10/05/2010
	MSD			1170	106		6	(< 20)	1100	ug/Kg	10/05/2010
1,2,3-Trichlorobenzene	MS	ND		1140	103	(78-124)			1100	ug/Kg	10/05/2010
	MSD			1040	95		8	(< 20)	1100	ug/Kg	10/05/2010
1,2,3-Trichloropropane	MS	ND		1150	105	(77-125)			1100	ug/Kg	10/05/2010
	MSD			1030	93		11	(< 20)	1100	ug/Kg	10/05/2010
1,2,4-Trichlorobenzene	MS	ND		1020	93	(77-126)			1100	ug/Kg	10/05/2010
	MSD			958	87		6	(< 20)	1100	ug/Kg	10/05/2010
1,2,4-Trimethylbenzene	MS	ND		1060	96	(85-121)			1100	ug/Kg	10/05/2010
	MSD			980	89		7	(< 20)	1100	ug/Kg	10/05/2010
1,2-Dibromo-3-chloropropane	MS	ND		943	86	(60-135)			1100	ug/Kg	10/05/2010
	MSD			993	90		5	(< 20)	1100	ug/Kg	10/05/2010
1,2-Dibromoethane	MS	ND		1250	114	(85-124)			1100	ug/Kg	10/05/2010
	MSD			1180	107		6	(< 20)	1100	ug/Kg	10/05/2010
1,2-Dichlorobenzene	MS	ND		1170	106	(88-113)			1100	ug/Kg	10/05/2010
	MSD			1120	102		5	(< 20)	1100	ug/Kg	10/05/2010
1,2-Dichloroethane	MS	ND		1170	106	(83-121)			1100	ug/Kg	10/05/2010
	MSD			1150	104		2	(< 20)	1100	ug/Kg	10/05/2010
1,2-Dichloropropane	MS	ND		1240	112	(81-120)			1100	ug/Kg	10/05/2010
	MSD			1160	105		6	(< 20)	1100	ug/Kg	10/05/2010
1,3,5-Trimethylbenzene	MS	ND		1090	99	(87-120)			1100	ug/Kg	10/05/2010
	MSD			1050	95		4	(< 20)	1100	ug/Kg	10/05/2010
1,3-Dichlorobenzene	MS	ND		1210	110	(86-117)			1100	ug/Kg	10/05/2010
	MSD			1080	98		12	(< 20)	1100	ug/Kg	10/05/2010
1,3-Dichloropropane	MS	ND		1190	108	(84-123)			1100	ug/Kg	10/05/2010
	MSD			1120	102		6	(< 20)	1100	ug/Kg	10/05/2010
1,4-Dichlorobenzene	MS	ND		1210	110	(86-118)			1100	ug/Kg	10/05/2010
	MSD			1140	104		6	(< 20)	1100	ug/Kg	10/05/2010

SGS Ref.#	995194	Matrix Spike	**Printed Date/Time**	10/08/2010	9:55
	995195	Matrix Spike Duplicate	**Prep Batch**		
			Method		
			Date		
Original	995188				
Matrix	Solid/Soil (Wet Weight)				

Parameter	Qualifiers		Original Result	QC Result	Pct Recov	MS/MSD Limits	RPD	RPD Limits	Spiked Amount		Analysis Date
Volatile Gas Chromatography/Mass Spectroscopy											
2,2-Dichloropropane	MS	ND		1200	109	(69-132)			1100	ug/Kg	10/05/2010
	MSD			1180	107		2	(< 20)	1100	ug/Kg	10/05/2010
2-Butanone (MEK)	MS	ND		3140	95	(57-135)			3310	ug/Kg	10/05/2010
	MSD			3110	94		1	(< 20)	3310	ug/Kg	10/05/2010
2-Chlorotoluene	MS	ND		1220	111	(81-122)			1100	ug/Kg	10/05/2010
	MSD			1150	104		6	(< 20)	1100	ug/Kg	10/05/2010
2-Hexanone	MS	ND		2970	90	(58-145)			3310	ug/Kg	10/05/2010
	MSD			3070	93		3	(< 20)	3310	ug/Kg	10/05/2010
4-Chlorotoluene	MS	ND		1120	102	(84-120)			1100	ug/Kg	10/05/2010
	MSD			1020	93		9	(< 20)	1100	ug/Kg	10/05/2010
4-Isopropyltoluene	MS	ND		1050	96	(83-121)			1100	ug/Kg	10/05/2010
	MSD			987	90		7	(< 20)	1100	ug/Kg	10/05/2010
4-Methyl-2-pentanone (MIBK)	MS	ND		3470	105	(67-135)			3310	ug/Kg	10/05/2010
	MSD			3530	107		2	(< 20)	3310	ug/Kg	10/05/2010
Benzene	MS	ND		1240	113	(81-124)			1100	ug/Kg	10/05/2010
	MSD			1190	108		4	(< 20)	1100	ug/Kg	10/05/2010
Bromobenzene	MS	ND		1220	110	(86-119)			1100	ug/Kg	10/05/2010
	MSD			1190	108		2	(< 20)	1100	ug/Kg	10/05/2010
Bromochloromethane	MS	ND		1170	106	(79-125)			1100	ug/Kg	10/05/2010
	MSD			1170	106		0	(< 20)	1100	ug/Kg	10/05/2010
Bromodichloromethane	MS	ND		1220	111	(81-127)			1100	ug/Kg	10/05/2010
	MSD			1190	108		3	(< 20)	1100	ug/Kg	10/05/2010
Bromoform	MS	ND		1320	120	(72-135)			1100	ug/Kg	10/05/2010
	MSD			1200	109		10	(< 20)	1100	ug/Kg	10/05/2010
Bromomethane	MS	ND		1180	107	(49-141)			1100	ug/Kg	10/05/2010
	MSD			1170	106		1	(< 20)	1100	ug/Kg	10/05/2010
Carbon disulfide	MS	ND		1420	86	(58-155)			1650	ug/Kg	10/05/2010
	MSD			1440	87		2	(< 20)	1650	ug/Kg	10/05/2010
Carbon tetrachloride	MS	ND		1300	118	(79-128)			1100	ug/Kg	10/05/2010
	MSD			1340	121		3	(< 20)	1100	ug/Kg	10/05/2010
Chlorobenzene	MS	ND		1280	116	(84-121)			1100	ug/Kg	10/05/2010
	MSD			1170	106		9	(< 20)	1100	ug/Kg	10/05/2010
Chloroethane	MS	ND		1170	106	(51-141)			1100	ug/Kg	10/05/2010
	MSD			1100	99		7	(< 20)	1100	ug/Kg	10/05/2010
Chloroform	MS	ND		1120	101	(77-124)			1100	ug/Kg	10/05/2010
	MSD			1090	99		2	(< 20)	1100	ug/Kg	10/05/2010
Chloromethane	MS	ND		1100	100	(54-129)			1100	ug/Kg	10/05/2010
	MSD			1090	98		1	(< 20)	1100	ug/Kg	10/05/2010
cis-1,2-Dichloroethene	MS	ND		1160	105	(82-124)			1100	ug/Kg	10/05/2010
	MSD			1080	98		7	(< 20)	1100	ug/Kg	10/05/2010

SGS Ref.#	995194	Matrix Spike	**Printed Date/Time**	10/08/2010 9:55
	995195	Matrix Spike Duplicate	**Prep Batch**	
			Method	
			Date	
Original	995188			
Matrix	Solid/Soil (Wet Weight)			

Parameter	Qualifiers	Original Result	QC Result	Pct Recov	MS/MSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
Volatile Gas Chromatography/Mass Spectroscopy									
cis-1,3-Dichloropropene	MS	ND	1300	118	(82-122)			1100 ug/Kg	10/05/2010
	MSD		1260	114		4	(< 20)	1100 ug/Kg	10/05/2010
Dibromochloromethane	MS	ND	1280	116	(84-125)			1100 ug/Kg	10/05/2010
	MSD		1210	110		6	(< 20)	1100 ug/Kg	10/05/2010
Dibromomethane	MS	ND	1230	112	(80-123)			1100 ug/Kg	10/05/2010
	MSD		1180	107		4	(< 20)	1100 ug/Kg	10/05/2010
Dichlorodifluoromethane	MS	ND	1170	106	(43-135)			1100 ug/Kg	10/05/2010
	MSD		1200	109		3	(< 20)	1100 ug/Kg	10/05/2010
Ethylbenzene	MS	ND	1280	116	(87-119)			1100 ug/Kg	10/05/2010
	MSD		1210	110		6	(< 20)	1100 ug/Kg	10/05/2010
Hexachlorobutadiene	MS	ND	1270	115	(74-124)			1100 ug/Kg	10/05/2010
	MSD		1090	98		16	(< 20)	1100 ug/Kg	10/05/2010
Isopropylbenzene (Cumene)	MS	ND	1250	113	(89-121)			1100 ug/Kg	10/05/2010
	MSD		1220	111		2	(< 20)	1100 ug/Kg	10/05/2010
Methylene chloride	MS	ND	933	85	(63-137)			1100 ug/Kg	10/05/2010
	MSD		979	89		5	(< 20)	1100 ug/Kg	10/05/2010
Methyl-t-butyl ether	MS	ND	1570	95	(76-133)			1650 ug/Kg	10/05/2010
	MSD		1540	93		2	(< 20)	1650 ug/Kg	10/05/2010
Naphthalene	MS	ND	1080	98	(73-131)			1100 ug/Kg	10/05/2010
	MSD		1030	93		5	(< 20)	1100 ug/Kg	10/05/2010
n-Butylbenzene	MS	ND	1130	103	(82-127)			1100 ug/Kg	10/05/2010
	MSD		1060	96		7	(< 20)	1100 ug/Kg	10/05/2010
n-Propylbenzene	MS	ND	1210	109	(82-125)			1100 ug/Kg	10/05/2010
	MSD		1140	103		6	(< 20)	1100 ug/Kg	10/05/2010
o-Xylene	MS	ND	1140	104	(89-120)			1100 ug/Kg	10/05/2010
	MSD		1070	97		7	(< 20)	1100 ug/Kg	10/05/2010
P & M -Xylene	MS	ND	2350	106	(88-121)			2210 ug/Kg	10/05/2010
	MSD		2150	97		9	(< 20)	2210 ug/Kg	10/05/2010
sec-Butylbenzene	MS	ND	1100	99	(84-122)			1100 ug/Kg	10/05/2010
	MSD		1010	91		8	(< 20)	1100 ug/Kg	10/05/2010
Styrene	MS	ND	1150	105	(91-120)			1100 ug/Kg	10/05/2010
	MSD		1090	99		6	(< 20)	1100 ug/Kg	10/05/2010
tert-Butylbenzene	MS	ND	1120	101	(82-122)			1100 ug/Kg	10/05/2010
	MSD		1120	101		0	(< 20)	1100 ug/Kg	10/05/2010
Tetrachloroethene	MS	ND	1330	120	(82-125)			1100 ug/Kg	10/05/2010
	MSD		1250	113		6	(< 20)	1100 ug/Kg	10/05/2010
Toluene	MS	23.5J	1290	115	(87-119)			1100 ug/Kg	10/05/2010
	MSD		1220	108		6	(< 20)	1100 ug/Kg	10/05/2010
trans-1,2-Dichloroethene	MS	ND	1080	98	(79-125)			1100 ug/Kg	10/05/2010
	MSD		1090	99		1	(< 20)	1100 ug/Kg	10/05/2010

SGS Ref.#	995194	Matrix Spike	**Printed Date/Time**	10/08/2010 9:55
	995195	Matrix Spike Duplicate	**Prep Batch**	
			Method	
			Date	
Original	995188			
Matrix	Solid/Soil (Wet Weight)			

Parameter	Qualifiers		Original Result	QC Result	Pct Recov	MS/MSD Limits	RPD	RPD Limits	Spiked Amount		Analysis Date
Volatile Gas Chromatography/Mass Spectroscopy											
trans-1,3-Dichloropropene	MS	ND		1110	100	(86-122)			1100	ug/Kg	10/05/2010
	MSD			1080	98		3	(< 20)	1100	ug/Kg	10/05/2010
Trichloroethene	MS	ND		1180	107	(77-124)			1100	ug/Kg	10/05/2010
	MSD			1120	101		5	(< 20)	1100	ug/Kg	10/05/2010
Trichlorofluoromethane	MS	ND		1160	105	(64-139)			1100	ug/Kg	10/05/2010
	MSD			1170	106		1	(< 20)	1100	ug/Kg	10/05/2010
Vinyl chloride	MS	ND		1130	103	(67-125)			1100	ug/Kg	10/05/2010
	MSD			1180	107		4	(< 20)	1100	ug/Kg	10/05/2010
Xylenes (total)	MS	ND		3490	105	(89-120)			3310	ug/Kg	10/05/2010
	MSD			3210	97		8	(< 20)	3310	ug/Kg	10/05/2010
Surrogates											
1,2-Dichloroethane-D4 <surr>	MS			1070	97	(69-132)					10/05/2010
	MSD			1080	98		1				10/05/2010
4-Bromofluorobenzene <surr>	MS			2530	86	(65-144)					10/05/2010
	MSD			2330	79		8				10/05/2010
Toluene-d8 <surr>	MS			1270	115	(84-124)					10/05/2010
	MSD			1170	106		8				10/05/2010

Batch VMS11662
Method SW8260B
Instrument HP 5890 Series II MS5 VLA

1106758

Long, Alesha (Anchorage)

From: Beene, Carmon R (Anchorage)
Sent: Thursday, September 30, 2010 10:00 AM
To: Long, Alesha (Anchorage)
Subject: WO 1106758

Per client use the 4oz amber from sample 7 for the percent solids analysis for sample 8

Carmon Beene
Environmental Services Alaska Division
Project Manager

SGS - North America
3180 Peger Rd Ste. 190
Fairbanks AK 99701
Phone: (907) 474-8656
Mobile: (907) 322-8444
Fax: (907) 474-9685
Email: Carmon.Beene@sgs.com

SGS

SC 1106758 C.
CHAI ORD

Locations Nationwide
• Alaska • Maryland
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• West Virginia • Kentucky
www.us.sgs.com

(1) CLIENT: ~~KMI~~ CMT

CONTACT: DOUG DUSEK PHONE NO: 452-5688

PROJECT NAME: ~~AS~~ 10-1088 PROJECT/ PWSID/ PERMIT# :

REPORTS TO: DOUG DUSEK EMAIL: ddusek@nortechengr.com

INVOICE TO: NORTECH QUOTE #: P.O. #:

SGS Reference #: page ____ of ____

(2)

RESERVED for lab use	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX/ MATRIX CODE	# CONTAINERS	SAMPLE TYPE C= COMP G= GRAB MI= Multi Incremental Samples	Preservatives Used	Analysis Required (3) GRO/BTEX	VOCs 8260	METAL LEAD 6010	LEAD IN SOIL	REMARKS/ LOC ID
(1) A-G	MW-1	9/24/10	1:30 p	W				✓	✓	✓		
(2) A-C	MW-2	9/24/10	1:40 p	W				✓				
(3) |	MW-3	9/24/10	1:45 p	W				✓				
(4) |	MW-4	9/24/10	1:20 p	W				✓				
(5) V	TRIP BLANK							✓				
(9) A	TRIP BLANK								✓			
(6) A	SP1-1	9/24/10	1:30 p	S				✓				
(7) A-D	SP2-3	9/24/10	2:00 p	S				✓	✓		✓	
(8) A	DUP	9/24/10	1:15	S				✓				

(5)

Collected/Relinquished By:(1)	Date	Time	Received By:
	9/24/10	4:20	9-24-10 21620
Relinquished By: (2)	Date	Time	Received By:
	9-24-10	1630	
Relinquished By: (3)	Date	Time	Received By:
Relinquished By: (4)	Date	Time	Received For Laboratory By:
			Katherine Bauer 9/25/10 1200

(4)

DOD Project? YES NO

Cooler ID _____

Data Deliverable Requirements:

Requested Turnaround Time and-or Special Instructions:

Temperature Blank °C: 4.9

ID 205 or Ambient [ ]

(See attached Sample Receipt Form)

Chain of Custody Seal: (Circle)

INTACT BROKEN ABSENT

(See attached Sample Receipt Form)

SGS

1106758

SAMPLE RECEIPT FORM

Review Criteria:	Condition:	Comments/Action Taken:
Were **custody seals** intact? Note # & location, if applicable. COC accompanied samples?	Yes No (N/A) (Yes) No N/A	
Temperature blank compliant* (i.e., 0-6°C after correction factor)? * ***Note: Exemption permitted for chilled samples collected less than 8 hours ago.*** Cooler ID: 1 @ 4.9 w/ Therm.ID: 205 Cooler ID: _____ @ _____ w/ Therm.ID: _____ Cooler ID: _____ @ _____ w/ Therm.ID: _____ Cooler ID: _____ @ _____ w/ Therm.ID: _____ Cooler ID: _____ @ _____ w/ Therm.ID: _____ ***Note: If non-compliant, use form FS-0029 to document affected samples/analyses.*** If samples are received without a temperature blank, the "cooler temperature" will be documented in lieu of the temperature blank & "**COOLER TEMP**" will be noted to the right. In cases where neither a temp blank nor cooler temp can be obtained, note "ambient" or "chilled." **If temperature(s) <0°C, were all sample containers ice free?**	(Yes) No N/A Yes No (N/A)	
Delivery method (specify all that apply): (Client) USPS Alert Courier Road Runner AK Air Lynden Carlile ERA PenAir FedEx UPS NAC Other:	Note airbill/tracking # See Attached (or N/A)	
→ For samples received with payment, note amount ($) and cash / check / CC (circle one). (N/A) → For samples received in FBKS, ANCH staff will verify all criteria are reviewed.	SRF Initiated by: JD N/A	
Do samples **match COC*** (i.e., sample IDs, dates/times collected)? * ***Note: Exemption permitted if collection times differ by less than an hour; in which case, the times on the COC will be used.*** Are analyses requested unambiguous?	(Yes) No N/A (Yes) No N/A	
Were samples in **good condition** (no leaks/cracks/breakage)? Packing material used (specify all that apply): (Bubble Wrap) Separate plastic bags Vermiculite Other:	(Yes) No N/A	
Were all VOA vials **free of headspace** (i.e., bubbles ≤6 mm)? Were all soil VOAs **field extracted** with MeOH+BFB? Were the bottles provided by SGS? (Note apparent exceptions.)	Yes No N/A (Yes) No (N/A) JD	
Were **proper containers** (type/mass/volume/preservative*) used? * ***Note: Exemption permitted for waters to be analyzed for metals.*** Were **Trip Blanks** (i.e., VOAs, LL-Hg) in cooler with samples?	KMB 9/25/10 (Yes) No N/A (Yes) No N/A	*no percent solid jars for (6)+(5).
For preserved waters (other than VOA vials, LL-Mercury or microbiological analyses), was **pH verified and compliant**? If pH was adjusted, were bottles flagged (i.e., stickers)? ***Refer to attached bottle sheet (form F066) for documentation.***	(Yes) No N/A Yes No (N/A)	
For **RUSH** or **SHORT HOLD TIME** samples, were the COC & this SRF flagged, bottles flagged (e.g., stickers) and lab notified?	Yes No (N/A)	
For client requested, **site-specific QC** (e.g., MS/MSD/DUP), were bottles flagged (e.g., stickers) and numbered accordingly?	Yes No (N/A)	
For **special handling** (e.g., "MI" or foreign soils, lab filter, limited volume, Ref Lab), were bottles/paperwork flagged (e.g., sticker)?	Yes No (N/A)	
Was the WO# recorded in Front Counter/Sample Receiving log? **For any question answered "No," has the PM been notified and the problem resolved (or paperwork put in their bin)?**	(Yes) No N/A (Yes) No N/A	SRF Completed by: KMB Bottle Sheet by: KMB PM = Forest N/A
Was **PEER REVIEW** of sample numbering completed (i.e., compare WO# on containers to COC, container ID on containers to COC, unique lab ID on each container?)	(Yes) No N/A	Peer Reviewed by: VYY 9/25/10 14:45 Metrics:
Additional notes (if applicable):		

SGS

1106758

SAMPLE RECEIPT FORM FOR TRANSFERS

Note: This form is to be completed by Anchorage Sample Receiving staff for all shipments received at SGS-Anchorage from SGS-Fairbanks.

Were samples received numbered with all criteria on Sample Receipt Form F0004 documented by Fairbanks Sample Receiving staff? If "No," ***Anchorage Sample Receiving staff must complete the receiving process & document pH verification, sample condition, etc. on the SRF initiated by Fairbanks staff*** (attached).	Yes (No) N/A	Use space below for additional notes…

Review Criteria:	Condition:	Comments/Action Taken:
Were **custody seals** intact? Note # & location: COC accompanied samples?	(Yes) No N/A (Yes) No N/A	2(1F, 1B)
Temperature blank compliant (i.e., 0-6°C after correction factor)? Cooler ID: 1 @ 0.2 w/ Therm.ID: 201 Cooler ID: _____ @ _____ w/ Therm.ID: _____ Cooler ID: _____ @ _____ w/ Therm.ID: _____ Cooler ID: _____ @ _____ w/ Therm.ID: _____ Cooler ID: _____ @ _____ w/ Therm.ID: _____ ***Note: If non-compliant, use form FS-0029 to document affected samples/analyses.*** If samples are received without a temperature blank, the "cooler temperature" will be documented in lieu of the temperature blank & "**COOLER TEMP** will be noted to the right. In cases where neither a temp blank nor cooler temp can be obtained, note "ambient" or "chilled." **If temperature(s) <0°C, were all containers ice free?**	(Yes) No N/A Yes No (N/A)	
Delivery method: (Lynden) Other:		
Completed by: Katherine Bauer 9/25/10 1200		

SGS

1106758

SAMPLE RECEIPT FORM

Review Criteria:	Condition:	Comments/Action Taken:
Were **custody seals** intact? Note # & location, if applicable. COC accompanied samples?	Yes No (N/A) (Yes) No N/A	
Temperature blank compliant* (i.e., 0-6°C after correction factor)? * *Note: Exemption permitted for chilled samples collected less than 8 hours ago.* Cooler ID: 1 @ 4.9 w/ Therm.ID: 205 Cooler ID: _____ @ _____ w/ Therm.ID: _____ Cooler ID: _____ @ _____ w/ Therm.ID: _____ Cooler ID: _____ @ _____ w/ Therm.ID: _____ Cooler ID: _____ @ _____ w/ Therm.ID: _____ *Note: If non-compliant, use form FS-0029 to document affected samples/analyses.* If samples are received without a temperature blank, the "cooler temperature" will be documented in lieu of the temperature blank & "**COOLER TEMP**" will be noted to the right. In cases where neither a temp blank nor cooler temp can be obtained, note "ambient" or "chilled." **If temperature(s) <0°C, were all sample containers ice free?**	(Yes) No N/A Yes No (N/A)	
Delivery method (specify all that apply): (Client) USPS Alert Courier Road Runner AK Air Lynden Carlile ERA PenAir FedEx UPS NAC Other:	Note airbill/tracking # See Attached or N/A	
→ For samples received with payment, note amount ($) and cash / check / CC (circle one).		N/A
→ For samples received in FBKS, ANCH staff will verify all criteria are reviewed.	SRF Initiated by: JD	N/A
Do samples **match COC*** (i.e., sample IDs, dates/times collected)? * *Note: Exemption permitted if collection times differ by less than an hour; in which case, the times on the COC will be used.* Are analyses requested unambiguous?	Yes (No) N/A (Yes) No N/A	Date is "10/32/" on jar
Were samples in **good condition** (no leaks/cracks/breakage)? Packing material used (specify all that apply): (Bubble Wrap) Separate plastic bags Vermiculite Other:	(Yes) No N/A	
Were all VOA vials **free of headspace** (i.e., bubbles ≤6 mm)? Were all soil VOAs **field extracted** with MeOH+BFB? Were the bottles provided by SGS? (Note apparent exceptions.)	Yes No N/A (Yes) No (N/A) JD	
Were **proper containers** (type/mass/volume/preservative*) used? * *Note: Exemption permitted for waters to be analyzed for metals.* Were **Trip Blanks** (i.e., VOAs, LL-Hg) in cooler with samples?	(Yes) No N/A (Yes) No N/A	
For preserved waters (other than VOA vials, LL-Mercury or microbiological analyses), was **pH verified and compliant**? If pH was adjusted, were bottles flagged (i.e., stickers)? *Refer to attached bottle sheet (form F066) for documentation.*	Yes No (N/A) Yes No (N/A)	
For **RUSH** or **SHORT HOLD TIME** samples, were the COC & this SRF flagged, bottles flagged (e.g., stickers) and lab notified?	Yes No (N/A)	
For client requested, **site-specific QC** (e.g., MS/MSD/DUP), were bottles flagged (e.g., stickers) and numbered accordingly?	Yes No (N/A)	
For **special handling** (e.g., "MI" or foreign soils, lab filter, limited volume, Ref Lab), were bottles/paperwork flagged (e.g., sticker)?	Yes No (N/A)	
Was the WO# recorded in Front Counter/Sample Receiving log? **For any question answered "No," has the PM been notified and the problem resolved (or paperwork put in their bin)?**	(Yes) No N/A (Yes) No N/A	SRF Completed by: Bottle Sheet by: PM = N/A
Was **PEER REVIEW** of sample numbering completed (i.e., compare WO# on containers to COC, container ID on containers to COC, unique lab ID on each container?)	Yes No N/A	Peer Reviewed by: TAT Metrics: 1414
Additional notes (if applicable): 0/0 solids jar received for sample SP1-1 9b0 1130am Wgt lb=.7 PBx71D		

SGS

SC 1106758
CHAI ORD

Locations Nationwide
• Alaska • Maryland
• New Jersey • New York
• North Carolina • Indiana
• West Virginia • Kentucky
www.us.sgs.com

(1)

CLIENT: KMI CMF

CONTACT: DOUG DUSEK PHONE NO: 452-5688

PROJECT NAME: ~~AS~~ 10-1088 PROJECT/ PWSID/ PERMIT# :

REPORTS TO: DOUG DUSEK EMAIL: ddusek@nortechengr.com

INVOICE TO: NORTECH QUOTE #:

P.O. #:

SGS Reference #:

page ____ of ____

(2)

RESERVED for lab use	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX/ MATRIX CODE	# CONTAINERS	SAMPLE TYPE C= COMP G= GRAB MI= Multi Incremental Samples	Preservatives Used	Analysis Required (3) GRO/BTEX	VOCs 8260	HEADL HEAD GRO	LEAD IN SOIL	REMARKS/ LOC ID
	MW-1	9/24/10	1:30p	W				✓	✓	✓		
	MW-2	9/24/10	1:40p	W				✓				
	MW-3	9/24/10	1:45p	W				✓				
	MW-4	9/24/10	1:20p	W				✓				
	TRIP BLANK							✓				
	TRIP BLANK								✓			
BOB	SP1-1	9/24/10	1:30p	S				✓				
	SP2-3	9/24/10	2:00p	S				✓	✓		✓	
	DUP	9/24/10	1:15	S				✓				

(5)

Collected/Relinquished By:(1)	Date	Time	Received By:
	9/24/10	4:20	9-24-10 21620
Relinquished By: (2)	Date	Time	Received By:
	9-24-10	16:30	
Relinquished By: (3)	Date	Time	Received By:
Relinquished By: (4)	Date	Time	Received For Laboratory By:
			9/24/10 2400

(4)

DOD Project? YES NO

Cooler ID _____

Data Deliverable Requirements:

Requested Turnaround Time and-or Special Instructions:

Temperature Blank °C: 4.9

ID 205 or Ambient [ ]

(See attached Sample Receipt Form)

Chain of Custody Seal: (Circle)

INTACT BROKEN ABSENT

(See attached Sample Receipt Form)

SGS

SGS WO# 1106758

SAMPLE RECEIPT FORM FOR TRANSFERS

Note: This form is to be completed by Anchorage Sample Receiving staff for all shipments received at SGS-Anchorage from SGS-Fairbanks.

Were samples received numbered with all criteria on Sample Receipt Form F0004 documented by Fairbanks Sample Receiving staff? If "No," ***Anchorage Sample Receiving staff must complete the receiving process & document pH verification, sample condition, etc. on the SRF initiated by Fairbanks staff*** (attached).	Yes (No) N/A	Use space below for additional notes…

Review Criteria:	Condition:	Comments/Action Taken:
Were **custody seals** intact? Note # & location: COC accompanied samples?	(Yes) No N/A Yes No N/A	1F, 1B
Temperature blank compliant (i.e., 0-6°C after correction factor)? Cooler ID: 1 @ 2.3 w/ Therm.ID: 135 Cooler ID: _____ @ _____ w/ Therm.ID: _____ Cooler ID: _____ @ _____ w/ Therm.ID: _____ Cooler ID: _____ @ _____ w/ Therm.ID: _____ Cooler ID: _____ @ _____ w/ Therm.ID: _____ ***Note: If non-compliant, use form FS-0029 to document affected samples/analyses.*** If samples are received without a temperature blank, the "cooler temperature" will be documented in lieu of the temperature blank & "**COOLER TEMP** will be noted to the right. In cases where neither a temp blank nor cooler temp can be obtained, note "ambient" or "chilled." **If temperature(s) <0°C, were all containers ice free?**	Yes No N/A Yes No (N/A)	
Delivery method: (Lynden) Other:		
Completed by:		

WO# (7 digits)	Sample # - Sample #	Container ID - Container ID	Matrix	QC	Preservative (CHECKED)	TEST GROUP	PRINT LABELS	Notes: ANOMALIES - *e.g., preservative added* or SPECIAL HANDLING - *e.g., Multi-Incremental (MI), Field Filter (FF), Lab Filter (LF), use "same jar as" (SJA) for QC, 2xMeOH, bubbles, etc.*
SAMPLE ID			TYPE		CONTAINERS	ANALYSIS		Type comments below:
1106758	001 001	A F	1 Water		HCl * VOA or LL-Hg *	W_GRO/VOA		
1106758	001 001	G G	1 Water		HNO3 (pH <2)	W_Metals_Total/Diss.		
1106758	002 004	A C	1 Water		HCl * VOA or LL-Hg *	W_GRO/VOA		
1106758	005 005	A C	1 Water	Trip Blank	HCl * VOA or LL-Hg *	W_GRO/VOA		
1106758	006 006	A A	2 Soil		MeOH+BFB *	S_GRO/VOC		
1106758	006 006	B B	2 Soil		N/A	S_Weigh_Out		
1106758	007 007	A A	2 Soil		N/A	S_Weigh_Out		
1106758	007 007	B B	2 Soil		MeOH+BFB *	S_GRO/VOC		
1106758	007 007	C D	2 Soil		MeOH+BFB *	S_GRO/VOC		**extra volume**
1106758	008 008	A A	2 Soil		MeOH+BFB *	S_GRO/VOC		
1106758	009 009	A A	2 Soil	Trip Blank	MeOH+BFB *	S_GRO/VOC		

Laboratory Data Review Checklist

Completed by:	Doug Dusek		
Title:	Environmental Specialist	Date:	11/4/2010
CS Report Name:	CMI 10-1088	Report Date:	10/11/2010
Consultant Firm:	Nortech		
Laboratory Name:	SGS	Laboratory Report Number:	1106758
ADEC File Number:	102.38.161	ADEC RecKey Number:	25562

1. Laboratory

a. Did an ADEC CS approved laboratory receive and perform all of the submitted sample analyses?

(●) Yes ( ) No ( ) NA (Please explain.) Comments:

b. If the samples were transferred to another "network" laboratory or sub-contracted to an alternate laboratory, was the laboratory performing the analyses ADEC CS approved?

( ) Yes ( ) No (●) NA (Please explain) Comments:

2. Chain of Custody (COC)

a. COC information completed, signed, and dated (including released/received by)?

(●) Yes ( ) No ( ) NA (Please explain) Comments:

b. Correct analyses requested?

(●) Yes ( ) No ( ) NA (Please explain) Comments:

3. Laboratory Sample Receipt Documentation

a. Sample/cooler temperature documented and within range at receipt (4° ± 2° C)?

(●) Yes ( ) No ( ) NA (Please explain) Comments:

b. Sample preservation acceptable - acidified waters, Methanol preserved VOC soil (GRO, BTEX, Volatile Chlorinated Solvents, etc.)?

(•) Yes ( ) No ( ) NA (Please explain) Comments:

c. Sample condition documented - broken, leaking (Methanol), zero headspace (VOC vials)?

(•) Yes ( ) No ( ) NA (Please explain) Comments:

d. If there were any discrepancies, were they documented? - For example, incorrect sample containers/ preservation, sample temperature outside of acceptance range, insufficient or missing samples, etc.?

( ) Yes (•) No ( ) NA (Please explain) Comments:

e. Data quality or usability affected? (Please explain)

Comments:

4. Case Narrative

a. Present and understandable?

(•) Yes ( ) No ( ) NA (Please explain) Comments:

b. Discrepancies, errors or QC failures identified by the lab?

(•) Yes ( ) No ( ) NA (Please explain) Comments:

c. Were all corrective actions documented?

(•) Yes ( ) No ( ) NA (Please explain) Comments:

d. What is the effect on data quality/usability according to the case narrative?

Comments:

Most biased the data high or the analyte was not detected

5. Samples Results

a. Correct analyses performed/reported as requested on COC?

○ Yes ◉ No ○ NA (Please explain) Comments:

Method 8260 VOC analysis was performed on S1-1 instead of GRO/BTEX due to laboratory error. This is not considered significant because the BTEX compounds are included in the VOC analyte list and the sample was non-detect for all VOCs. This indicates that the soil is clean. This data combined with the GRO/BTEX/VOC results from Sample S2-3 provide clear evidence that GRO is not present above the cleanup level in S1-1.

b. All applicable holding times met?

◉ Yes ○ No ○ NA (Please explain) Comments:

c. All soils reported on a dry weight basis?

◉ Yes ○ No ○ NA (Please explain) Comments:

d. Are the reported PQLs less than the Cleanup Level or the minimum required detection level for the project?

◉ Yes ○ No ○ NA (Please explain) Comments:

e. Data quality or usability affected? (Please explain)

Comments:

6. QC Samples

a. Method Blank

i. One method blank reported per matrix, analysis and 20 samples?

◉ Yes ○ No ○ NA (Please explain) Comments:

ii. All method blank results less than PQL?

◉ Yes ○ No ○ NA (Please explain) Comments:

iii. If above PQL, what samples are affected? Comments:

iv. Do the affected sample(s) have data flags? If so, are the data flags clearly defined?

○ Yes ○ No ○ NA (Please explain) Comments:

v. Data quality or usability affected? (Please explain) Comments:

b. Laboratory Control Sample/Duplicate (LCS/LCSD)

i. Organics - One LCS/LCSD reported per matrix, analysis and 20 samples? (LCS/LCSD required per AK methods, LCS required per SW846)

◉ Yes ○ No ○ NA (Please explain) Comments:

ii. Metals/Inorganics - One LCS and one sample duplicate reported per matrix, analysis and 20 samples?

◉ Yes ○ No ○ NA (Please explain) Comments:

iii. Accuracy - All percent recoveries (%R) reported and within method or laboratory limits? And project specified DQOs, if applicable. (AK Petroleum methods: AK101 60%-120%, AK102 75%-125%, AK103 60%-120%; all other analyses see the laboratory QC pages)

○ Yes ◉ No ○ NA (Please explain) Comments:

LCS recovery for dichlorodifluoromethane and chloromethane does not meet QC criteria (biased high), means that any detected results would be biased high, but none were detected.

iv. Precision - All relative percent differences (RPD) reported and less than method or laboratory limits? And project specified DQOs, if applicable. RPD reported from LCS/LCSD, MS/DMSD, and or sample/sample duplicate. (AK Petroleum methods 20%; all other analyses see the laboratory QC pages)

◉ Yes ○ No ○ NA (Please explain) Comments:

LCSD recovery for chloromethane does not meet QC criteria (biased high), see above

v. If %R or RPD is outside of acceptable limits, what samples are affected?

Comments:

analytes not detected above detection limits

vi. Do the affected samples(s) have data flags? If so, are the data flags clearly defined?

(•) Yes ( ) No ( ) NA (Please explain) Comments:

vii. Data quality or usability affected? (Please explain) Comments:

no

c. Surrogates - Organics Only

i. Are surrogate recoveries reported for organic analyses - field, QC and laboratory samples?

(•) Yes ( ) No ( ) NA (Please explain) Comments:

ii. Accuracy - All percent recoveries (%R) reported and within method or laboratory limits? And project specified DQOs, if applicable. (AK Petroleum methods 50-150 %R; all other analyses see the laboratory report pages)

( ) Yes (•) No ( ) NA (Please explain) Comments:

BFB recovery biased high, see comments above regarding high bias

iii. Do the sample results with failed surrogate recoveries have data flags? If so, are the data flags clearly defined?

(•) Yes ( ) No ( ) NA (Please explain) Comments:

iv. Data quality or usability affected? (Use the comment box to explain.).

Comments:

GRO may be biased high but is below the cleanup level, so the high bias would means the actual concentration may be even farther below the cleanup level

d. Trip Blank - Volatile analyses only (GRO, BTEX, Volatile Chlorinated Solvents, etc.): Water and Soil

i. One trip blank reported per matrix, analysis and for each cooler containing volatile samples? (If not, enter explanation below.)

(•) Yes ( ) No ( ) NA (Please explain.) Comments:

ii. Is the cooler used to transport the trip blank and VOA samples clearly indicated on the COC? (If not, a comment explaining why must be entered below)

◉ Yes ○ No ○ NA (Please explain.) Comments:

iii. All results less than PQL?

◉ Yes ○ No ○ NA (Please explain.) Comments:

iv. If above PQL, what samples are affected?

Comments:

v. Data quality or usability affected? (Please explain.)

Comments:

e. Field Duplicate

i. One field duplicate submitted per matrix, analysis and 10 project samples?

◉ Yes ○ No ○ NA (Please explain) Comments:

ii. Submitted blind to lab?

◉ Yes ○ No ○ NA (Please explain.) Comments:

iii. Precision - All relative percent differences (RPD) less than specified DQOs? (Recommended: 30% water, 50% soil)

$$\text{RPD (\%)} = \text{Absolute Value of: } \frac{(R_1 - R_2)}{((R_1 + R_2)/2)} \times 100$$

Where R_1 = Sample Concentration

R_2 = Field Duplicate Concentration

◉ Yes ○ No ○ NA (Please explain) Comments:

iv. Data quality or usability affected? (Use the comment box to explain why or why not.)

○ Yes ◉ No ○ NA (Please explain) Comments:

f. Decontamination or Equipment Blank (if applicable)

○ Yes ○ No ○ NA (Please explain) Comments:

i. All results less than PQL?

○ Yes ○ No ○ NA (Please explain) Comments:

ii. If above PQL, what samples are affected?

Comments:

iii. Data quality or usability affected? (Please explain.)

Comments:

7. Other Data Flags/Qualifiers (ACOE, AFCEE, Lab Specific, etc.)

a. Defined and appropriate?

○ Yes ○ No ○ NA (Please explain) Comments:

Reset Form