January 6, 2011

Hon. Robert A. Mezzo, Mayor
Borough of Naugatuck
229 Church Street
Naugatuck, CT 06770

RE: Environmental Subsurface Investigation Report
Nettleton Area Storm Drain Improvements in Naugatuck, CT
CHA Project No. 20466

Dear Mayor Mezzo:

CHA has prepared this Environmental Subsurface Investigation Report to summarize the results of the recently completed supplemental investigation activities along the proposed route of the Nettleton Avenue Neighborhood Drainage System Project. The investigation area is located near the intersection of Nettleton Avenue and Trowbridge Place in the Borough of Naugatuck, Connecticut (Site) (Figure 1). All Site investigation activities were conducted in accordance with CHA's scope of services outlined in Extra Work Authorization (EWA) No. 4 dated October 8, 2010.

This Environmental Subsurface Investigation Report provides site background information, the scope of the recently completed site investigation activities, a summary of the soil and groundwater sampling activities, a discussion of the laboratory analytical results, and a description of the nature and extent of contamination present along the proposed route of the Nettleton Avenue Neighborhood Drainage System Project. CHA's conclusions and recommendations are also provided herein based on the subsurface data generated to date.

Background

As you know, CHA completed a geotechnical investigation in May 2010 in support of the proposed Nettleton Avenue storm drain improvement project. The primary objectives of the investigation were to install eight (8) subsurface borings to evaluate subsurface conditions along the proposed storm drain line, provide geotechnical design recommendations, and provide data for a contractor designed excavation support system along a portion of the proposed storm drain alignment. In addition to the geotechnical activities, soils at each boring location were screened in the field for the presence of visual, olfactory, or photoionic evidence of contamination.

Based on the field screening, four (4) of the eight (8) soil boring locations exhibited field evidence of contamination. A representative soil sample was collected from each of the four (4) soil boring locations and was submitted for laboratory analysis. The analytical results were compared to the

remediation standards set forth in the Connecticut State Agencies Regulations §22a-133k, also known as the Remediation Standard Regulations (RSRs). However, it is noted that Section 22a-133k of the Connecticut State Agencies Regulations applies to any action taken to remediate polluted soil, surface water or a ground-water plume at or emanating from a release area which action is required pursuant to Chapter 445 or 446k of the General Statutes or is taken pursuant to Public Act 95-183 or Public Act 95-190, neither of which apply to the proposed project. Therefore, these remediation standards are being used only as guidance for this project.

Based on a review of the analytical results, only the sample from boring B-6 contained parameters at levels exceeding standards. Although all of the other samples collected contained some detected contaminants, no other regulated contaminants were detected at concentrations that exceed State of Connecticut Department of Environmental Protection (CT DEP) remediation standards. The results obtained during the May/June 2010 geotechnical investigation indicated that contamination was mainly present in the vicinity of boring B-6 (Figure 2).

Based on the identified contamination, soils excavated during construction which contain contaminants at concentrations that exceed Connecticut RSRs cannot be reused on-site without CT DEP approval and would likely require proper off-site disposal. In addition to the impacted soils that were identified, the upper stratum observed during the subsurface investigation was identified as urban fill. Currently, the State of Connecticut regulates the management of urban fill on a site-specific basis. As such, CHA indicated that management of excavated soil will likely be required for this project.

Due to the limited nature of the initial investigation, the exact limits of the contamination and the associated volume of soil potentially requiring management were not known. In addition, management of both the impacted soils and urban fill will be at the discretion of the CT DEP. As such, CHA recommended that additional investigation be performed in order to further define the nature and extent of contamination along the proposed storm drain line so that a definitive action-specific plan for the management of contaminated soils may be communicated to CT DEP prior to the start of construction.

The supplemental environmental investigation activities were recently completed and the following sections discuss the field activities conducted as part of the supplemental investigation, the results of those activities, and our conclusions.

Subsurface Investigation

A. Soil Borings

On November 18, 2010, CHA installed eight (8) additional soil borings along the route of the proposed Nettleton Avenue Neighborhood Drainage System Project to further delineate the extent of contamination in the vicinity of previously installed boring B-6. The locations of the borings are shown on Figure 2.

At each boring location, soil samples were collected continuously throughout the depth of each boring and screened in the field for the presence of visual, olfactory, or photoionic evidence of contamination. A Rae Systems Model MiniRae 2000 photoionization detector (PID) was used to screen each sample

for the presence of organic vapors. The unit was calibrated with 100 parts per million (PPM) isobutylene gas onsite prior to use.

Soil borings were installed to depths ranging between 3 and 13.6 feet below ground surface (bgs). The depths of the borings varied as a result of varying geologic conditions between locations. Each boring was met with refusal. Copies of the Subsurface Boring Logs summarizing the subsurface conditions and field screening results at each location are included as Attachment A.

Based on the field screening results, a representative soil sample was collected from each soil boring location and was submitted for laboratory analysis. Soil samples were collected from either the interval where the highest level of contamination was observed based on PID readings and visual/olfactory observation or, in the absence of observed contamination, an interval that was inferred to be urban fill. A summary that identifies each of the collected soil samples and associated analyses is provided in Table 1. Upon completion, each Geoprobe® boring was backfilled with the soil cuttings removed from each respective boring location.

To avoid cross-contamination, all non-disposable down-hole boring equipment was decontaminated following each boring by flushing and wiping the components to remove all visible sediments, washing and scrubbing with low phosphate detergent, and performing a final clean water rinse.

The soil samples submitted for analyses were delivered following proper chain-of-custody protocols to TestAmerica Laboratories, Inc. of Shelton, Connecticut (CT) to conduct the necessary analyses. Each sample (soil and groundwater) was analyzed for the presence of extractable total petroleum hydrocarbons (ETPH) via Method CT ETPH, volatile organic compounds (VOCs) via EPA Method 8260B, semi-volatile organic compounds (SVOCs) via EPA Method 8270C, pesticides via EPA Method 8081A, metals via EPA Method 6020, and mercury via EPA Method 7471A.

In addition to the eight primary soil samples collected, one soil sample was collected from boring GP-3 (2’ to 3’) and analyzed using the Toxicity Characteristic Leaching Procedure (TCLP) in order to determine if the soil is a characteristic hazardous waste. The sample was collected from GP-3 due to the documented presence of contamination in previously installed and nearby boring B-6.

B. Groundwater Sampling

To evaluate potential impacts to groundwater quality in the project area, a grab groundwater sample was collected at boring location GP-2. The groundwater sampling point consisted of a 10-foot section of 1-inch diameter, 10-slot PVC screen installed to a depth of 13.6 feet bgs and finished with the requisite length of solid PVC riser pipe. The well screen was inserted into the Geoprobe® boring to straddle the water table, which was observed at approximately 12 feet bgs. Following the installation of the temporary point, the temporary well was purged by removing approximately three well volumes. Purge water was discharged to the ground. Only disposable equipment was used to collect the groundwater sample; as such, no equipment decontamination was required. A groundwater sample was then collected following the purging activities.

The groundwater sample submitted for analyses was delivered following proper chain-of-custody protocols to TestAmerica Laboratories, Inc. of Shelton, Connecticut (CT) to conduct the necessary

analyses. Each sample (soil and groundwater) was analyzed for the presence of extractable total petroleum hydrocarbons (ETPH) via Method CT ETPH, volatile organic compounds (VOCs) via EPA Method 8260B, semi-volatile organic compounds (SVOCs) via EPA Method 8270C, pesticides via EPA Method 8081A, metals via EPA Method 6020, and mercury via EPA Method 7471A.

RESULTS

A. Field Observations

As noted, soil samples were collected continuously throughout the depth of each boring and screened in the field for the presence of visual, olfactory, or photoionic evidence of contamination. In addition, subsurface conditions encountered in the borings were recorded on the subsurface logs included as Attachment A.

In general, the lithology consisted of either asphalt or topsoil underlain by a fill unit. The fill unit consists of fine to coarse sand with varying amounts of fine to coarse gravel and silt and was encountered below the asphalt/topsoil in all of the borings. In some borings, the fill unit also contained cinders and/or ash. In general, the fill unit extended to depths ranging from four (4) to five (5) feet bgs. Underlying the fill unit was a similar unit, generally indistinguishable, consisting of a mixture of fine to coarse grained sand and silt. Although the borings were installed with a Geoprobe unit during this investigation, the previous investigation at the Site identified this interval as a glacial till unit based on standard penetration test (SPT) resistance values.

In general, there was no visual, olfactory or photoionic evidence of contamination in any of the borings with the exception of GP-4. The interval from 8 to 9.2 feet bgs in boring GP-4 was observed to have a slight asphalt/petroleum odor. In addition, screening of this interval exhibited a PID reading of 2.1 ppm. No other evidence of contamination was observed in the field.

B. Soil Analytical Results

As previously discussed, representative soil samples were collected from each of the eight (8) soil borings that were installed on the Site. The results of the laboratory analyses are presented in Table 2 along with the remediation standards set forth in the Connecticut State Agencies Regulations §22a-133k (RSRs). A copy of the laboratory analytical report is included as Attachment B. Those values that are in bold in Table 2 indicate that the associated parameter was detected at a concentration above the associated Direct Exposure Criteria for Soil outlined in the Connecticut RSRs. Those values that are shaded in Table 2 indicate that the associated parameter was detected at a concentration above the associated Pollutant Mobility Criteria for Soil.

Based on a review of the laboratory results, only the samples from borings GP-2 and GP-4 contained parameters at levels exceeding standards. However, a summary of all analytical results is provided in the following sections.

Nettleton Avenue

The soil samples collected from borings GP-7 and GP-8, installed along Nettleton Avenue contained low levels of both SVOCs and ETPH. However, concentrations of all detected SVOCs and of ETPH were well below both the Pollutant Mobility Criteria and Residential Direct Exposure Criteria. The soil samples did not contain any detectable levels of VOCs, pesticides or metals.

Trowbridge Place

Four borings were installed along Trowbridge Place, extending from the intersection with Nettleton Avenue to the intersection with Goodyear Avenue. The soil sample collected from boring GP-1, installed at the intersection of Nettleton Avenue and Trowbridge Place, contained low concentrations of VOCs, but all concentrations were well below both the Pollutant Mobility Criteria and Residential Direct Exposure Criteria. There were no SVOCs, metals or detectable levels of ETPH in boring GP-1.

It is noted that the soil sample collected from boring GP-3, installed nearly directly adjacent to boring B-6 on Trowbridge Avenue, did not contain any detectable levels of VOCs, SVOCs, ETPH, or metals. However, boring GP-2 was installed approximately 50 feet to the west of GP-3 and contained SVOCs at levels exceeding standards. The soil sample collected from boring GP-2 (4 to 4.5 feet bgs) contained three regulated contaminants detected at concentrations slightly above both the Pollutant Mobility Criteria and Residential Direct Exposure Criteria of 1,000 µg/kg. In addition, one contaminant (phenanthrene) was detected at a concentration exceeding the associated Pollutant Mobility Criteria. Boring GP-2 also contained low concentrations of VOCs and ETPH, but concentrations of these contaminants were well below both the Pollutant Mobility Criteria and Residential Direct Exposure Criteria.

Boring GP-4 was installed at the intersection of Trowbridge Place and Goodyear Avenue. The soil sample collected from boring GP-4 (8 to 9.2 feet bgs) contained two VOCs (naphthalene and acetone) at levels exceeding the Pollutant Mobility Criteria. There were no VOCs detected above Residential Direct Exposure Criteria. In addition, there were 10 SVOCs detected in the soil sample at concentrations exceeding the associated Pollutant Mobility Criteria, three of which were also detected above the Residential Direct Exposure Criteria. The soil sample also contained ETPH at a concentration exceeding both the Pollutant Mobility Criteria and Residential Direct Exposure Criteria of 500,000 µg/kg. There were no metals or pesticides detected in boring GP-4.

Goodyear Avenue

Borings GP-5 and GP-6 were installed along Goodyear Avenue. Samples collected from both borings contained low concentrations of several VOCs, SVOCs, and ETPH, but all concentrations were well below both the Pollutant Mobility Criteria and Residential Direct Exposure Criteria. Arsenic was detected in the soil sample collected from boring GP-5 at a concentration of 27.3 mg/kg, slightly above the associated Residential Direct Exposure Criteria of 10 mg/kg.

C. Hazardous Waste Characterization Results

As previously noted, an additional volume of soil was collected from boring GP-3 and submitted for analysis via the Toxicity Characteristic Leaching Procedure (TCLP) in order to determine if the soil is a characteristic hazardous waste. The results of the laboratory analyses are presented in Table 3 along with the maximum concentration of contaminants for the toxicity characteristic. Based on the results, no contaminants were detected in the soil sample collected from boring GP-3 at concentrations which exceed the regulatory limit associated with the toxicity characterization outlined in Title 40 of the Code of Federal Regulations Section 261.24.

D. Groundwater Analytical Results

As previously discussed, one representative groundwater sample was collected from a temporary sampling point installed in boring GP-2 and analyzed for VOCs, SVOCs, CT ETPH, pesticides, and metals. The results of the laboratory analyses are presented in Table 4 along with the Remediation Standards set forth by the CTDEP. A copy of the laboratory analytical report is included as Attachment B. Those values that are in bold in Table 4 indicate that the associated contaminant was detected at a concentration above the associated Groundwater Protection Criteria outlined in the Connecticut RSRs.

The analytical results indicate that eight (8) metals were detected at concentrations exceeding the associated Groundwater Protection Criteria. These metals include arsenic, barium, beryllium, chromium, lead, nickel, selenium, and vanadium, all of which were also present in the associated soil sample collected from boring GP-2.

There were no other parameters detected above an associated Groundwater Protection Criteria in the grab groundwater sample collected from boring GP-2.

Discussion and Recommendations

The results obtained to date indicate that soil contamination is generally limited to the area along the Trowbridge Place section of the proposed storm sewer alignment. The analytical data suggest that SVOC soil contamination is present in the vicinity of borings GP-2 and GP-4. Field screening of soils confirm the presence of low-level impacts in the vicinity of boring GP-4. In general, the compounds detected at concentrations exceeding standards are those which are associated with petroleum contamination or are products of incomplete combustion and further indicate the presence of low-level petroleum contamination, likely to be associated with urban fill.

Based on the results and the design of the proposed improvements, it is anticipated that some soils will require management during the construction phase. However, the need to manage, stockpile and further characterize soils will be at the discretion of the CT DEP. As such, with Borough approval, CHA proposes to contact CT DEP to provide them with the current status of the project and the results of both the initial and supplemental environmental investigation. Under consultation with CT DEP, CHA will confirm whether or not soils excavated from the Trowbridge Place section will be approved for re-use within the utility trench. CHA will request written approval for re-use of impacted soils, non-impacted urban fill, and/or natural soils within the utility trench.

If impacted soils will not be re-used on site, CHA proposes to request approval from CT DEP to develop and implement a Soil Management Plan which outlines the procedures to be used during construction to screen, segregate and properly dispose of impacted soils at an approved off-site facility. CHA will identify such facilities and the estimated disposal costs.

Groundwater in the vicinity of GP-2 area appears to be only minimally impacted by metals. However, it is noted that a groundwater sample was not collected from boring GP-4, which exhibited the highest levels of contamination, since groundwater was not observed in the boring. As such, groundwater impacts in the vicinity of GP-4 cannot be ruled out. Based on the data generated to date, CHA will also consult with CT DEP on potential requirements for management/treatment of the minimally impacted groundwater identified at the project site. However, at this time, it is anticipated that no extreme measures will be required to accommodate the low levels of metals that have been detected.

If you have any questions or comments regarding this report or need any additional information, please do not hesitate to contact Martin Risley at (603) 354-7998 ext. 241.

Sincerely,

Keith Ziobron, PE, LEP
Project Engineer

SDN/

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CC: Martin Risley, CHA
Jim Stewart, P.E., Borough Engineer

FIGURES

Figure 1: Site Location Map
Figure 2: Boring Location Map

TABLES

Table 1: Sample Summary
Table 2: Soil Analytical Results
Table 3: TCLP Analytical Results
Table 4: Groundwater Analytical Results

ATTACHMENTS

Attachment A: Soil Boring Logs
Attachment B: Laboratory Analytical Report

FIGURES

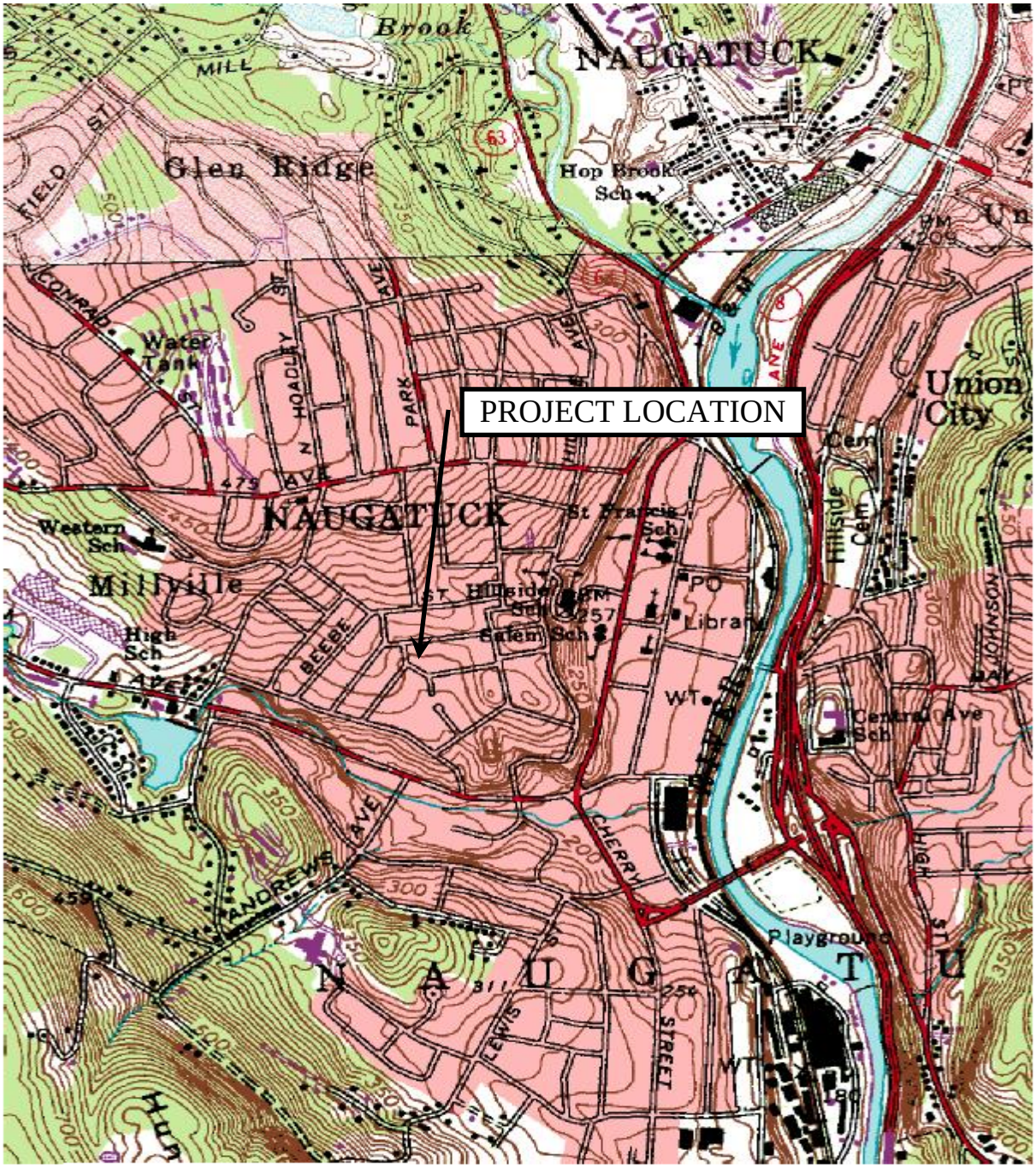

IMAGE DATE: 07/01/1992

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Figure 1
Project Location Map

Scale: 1" = 1 mile

Project No.: 20466

STORM SEWER IMPROVEMENTS
NETTLETON AVENUE
NAUGATUCK, CT

LEGEND

B-1
APPROXIMATE GEOTECHNICAL BORING LOCATION (INSTALLED MAY 2010)

GP-8
APPROXIMATE GEOPROBE® BORING LOCATION (INSTALLED NOVEMBER 2010)

CHA
11 Kling Court · Keene, NH 03431-4648
Maine (603) 357-2445 · www.chacompanies.com

BORING LOCATION PLAN

STORM SEWER IMPROVEMENTS
NETTLETON AVENUE
NAUGATUCK, CT

PROJECT NO. 20466
DATE: 12/2010
FIGURE 2

TABLES

TABLE 1

Sample Summary
Environmental Subsurface Investigation
Nettleton Area Storm Drain Improvement Project
Naugatuck, Connecticut

Sample I.D.	*Boring Location*	*Sample Interval (ft. bgs)*	*Sample Collection*		*Sample Ship Date*	*Matrix*	*Analysis*
			Date	*Time (hrs)*			
GP-1 (4-4.8)	GP-1	4' to 4.8'	18-Nov-10	09:50	18-Nov-10	SOIL	(A)
GP-2 (4.4-5)	GP-2	4' to 4-5'	18-Nov-10	10:35	18-Nov-10	SOIL	(A)
GP-3 (2-2.7)	GP-3	2' to 2.7'	18-Nov-10	11:30	18-Nov-10	SOIL	(A)
GP-4 (8-9.2)	GP-4	8' to 9.2'	18-Nov-10	12:25	18-Nov-10	SOIL	(A)
GP-5 (1-1.5)	GP-5	1' to 1.5'	18-Nov-10	13:40	18-Nov-10	SOIL	(A)
GP-6 (4-5)	GP-6	4' to 5'	18-Nov-10	13:55	18-Nov-10	SOIL	(A)
GP-7 (4-4.8)	GP-7	4' to 4.8'	18-Nov-10	14:30	18-Nov-10	SOIL	(A)
GP-8 (1-2)	GP-8	1' to 2'	18-Nov-10	15:10	18-Nov-10	SOIL	(A)
GP-2	GP-2	3.6' to 13.6'	18-Nov-10	15:35	18-Nov-10	WATER	(A)
GP-3 (2-3)	GP-3	2' to 3'	18-Nov-10	11:40	18-Nov-10	SOIL	(B)

Notes:
(A) = Analysis: VOCs, SVOCs, Pesticides, Metals, CT Extractable Total Hydrocarbons
(B) = Analysis: TCLP VOCs, TCLP SVOCs, TCLP Pesticides, TCLP Herbicides, TCLP Metals, Reactivity, Corrosivity, Ignitability

TABLE 2

Soil Analytical Data - Detected Parameters Only
Environmental Subsurface Investigation
Nettleton Area Storm Drain Improvement Project
Naugatuck, Connecticut

			Sample Location	GP-1	GP-1	GP-2	GP-3	GP-4	GP-4	GP-5	GP-6	GP-7	GP-8
			Sample Depth	(4-4.8)	(4-4.8)	(4.4-5)	(2-2.7)	(8-9.2)	(8-9.2)	(1-1.5)	(4-5)	(4-4.8)	(1-2)
			Sample Date	11/18/2010	11/18/2010	11/18/2010	11/18/2010	11/18/2010	11/18/2010	11/18/2010	11/18/2010	11/18/2010	11/18/2010
			Dilution Factor	1	1	1	1	1	40	1	1	1	1
VOCs	**Direct Exposure Criteria for Soil - Residential [1]**	**Pollutant Mobility Criteria for Soil - GA, GAA [2]**	**Units**										
1,2,4-Trimethylbenzene	--	--	µg/Kg	8.4	<31	<50	<4.8	27	2600	<36	<5.6	<5.4	<5.9
1,3,5-Trimethylbenzene	--	--	µg/Kg	<5.1	37	57	<4.8	9.6	2200	42	<5.6	<5.4	<5.9
Acetone	500,000	14,000	µg/Kg	<20	<150	<250	<19	<20	**24,000**	<180	<22	<21	<24
m-Xylene & p-Xylene	500,000	19,500	µg/Kg	<5.1	<31	<50	<4.8	26	1,500	45	<5.6	<5.4	<5.9
Naphthalene	1,000,000	5,600	µg/Kg	970 E	1,400	1,500 B	<4.8	1,800 E	**180,000 B**	67 B	69	<5.4	<5.9
o-Xylene	500,000	19,500	µg/Kg	<5.1	<31	<50	<4.8	18	<1200	<36	<5.6	<5.4	<5.9
Styrene	500,000	2,000	µg/Kg	<5.1	<31	<50	<4.8	10	<1200	<36	<5.6	<5.4	<5.9
Toluene	500,000	20,000	µg/Kg	<5.1	<31	<50	<4.8	15	<1200	<36	<5.6	<5.4	<5.9
Xylenes, Total	500,000	19,500	µg/Kg	<5.1	<61	<100	<4.8	44	<2500	<72	<5.6	<5.4	<5.9

Notes:

1.) State of Connecticut Regulation of Department of Environmental Protection, Appendix A to Sections 22a-133k-1 through 22a-133k-3; Direct Exposure Criteria for Soil

2.) State of Connecticut Regulation of Department of Environmental Protection, Appendix A to Sections 22a-133k-1 through 22a-133k-3; Pollutant Mobility Criteria for Soil

DF = Dilution Factor

BOLD values exceed Pollutant Mobility Criteria for Soil

Shaded values exceed Direct Exposure Criteria for Soil

NA = Not analyzed due to lack of sample volume

-- = No standard

U = Parameter was analyzed for but not detected at or above the specified reporting limit.

< = Parameter was not detected at or above the specified reporting limit.

B= The analyte was found in an associated blank, as well as in the sample.

TABLE 2

Soil Analytical Data - Detected Parameters Only
Environmental Subsurface Investigation
Nettleton Area Storm Drain Improvement Project
Naugatuck, Connecticut

			Sample Location	GP-1	GP-2	GP-3	GP-4	GP-4	GP-5	GP-6	GP-7	GP-8
			Sample Depth	(4-4.8)	(4.4-5)	(2-2.7)	(8-9.2)	(8-9.2)	(1-1.5)	(4-5)	(4-4.8)	(1-2)
			Sample Date	11/18/2010	11/18/2010	11/18/2010	11/18/2010	11/18/2010	11/18/2010	11/18/2010	11/18/2010	11/18/2010
			Dilution Factor	1	1	1	2	20	1	1	1	1
SVOCs	**Direct Exposure Criteria for Soil - Residential [1]**	**Pollutant Mobility Criteria for Soil - GA, GAA [2]**	**Units**									
2,4-Dimethylphenol	--	--	µg/Kg	<330	<390	<310	9,000	<6200	<330	<340	<350	<350
2-Methylnaphthalene	--	--	µg/Kg	<330	880	<310	24,000 E	43,000	<330	<340	<350	<350
2-Methylphenol	--	--	µg/Kg	<330	<390	<310	5,100	<6200	<330	<340	<350	<350
4-Methylphenol	--	--	µg/Kg	<330	<390	<310	14,000 E	16,000	<330	<340	<350	<350
Acenaphthene	--	--	µg/Kg	<330	<390	<310	5,800	6,600	<330	<340	<350	<350
Acenaphthylene	1,000,000	8,400	µg/Kg	<330	680	<310	9,700	**13,000**	<330	<340	<350	<350
Anthracene	1,000,000	40,000	µg/Kg	<330	1,100	<310	14,000	28,000	<330	<340	<350	<350
Benzo[a]anthracene	1,000	1,000	µg/Kg	<330	**1,400**	<310	**32,000 E**	**33,000**	<330	<340	<350	<350
Benzo[a]pyrene	1,000	1,000	µg/Kg	<330	**1,100**	<310	**24,000 E**	**26,000**	<330	<340	<350	<350
Benzo[b]fluoranthene	1,000	1,000	µg/Kg	<330	**1,300**	<310	**25,000 E**	**28,000**	390	<340	<350	<350
Benzo[g,h,i]perylene	--	--	µg/Kg	<330	960	<310	11,000	18,000	650	510	590	<350
Benzo[k]fluoranthene	8,400	1,000	µg/Kg	<330	480	<310	**8,800**	**11,000**	<330	<340	<350	<350
Carbazole	--	--	µg/Kg	<330	550	<310	14,000 E	18,000	<330	<340	<350	<350
Chrysene	--	--	µg/Kg	<330	1,400	<310	29,000 E	31,000	420	<340	<350	<350
Dibenz(a,h)anthracene	--	--	µg/Kg	<330	530	<310	<620	9,900	390	360	<350	<350
Dibenzofuran	--	--	µg/Kg	<330	660	<310	16,000 E	28,000	<330	<340	<350	<350
Fluoranthene	1,000,000	5,600	µg/Kg	<330	3,300	<310	**28,000 E**	**71,000**	<330	370	530	<350
Fluorene	1,000,000	5,600	µg/Kg	<330	1,400	<310	**22,000 E**	**40,000**	<330	<340	<350	<350
Indeno[1,2,3-cd]pyrene	--	--	µg/Kg	<330	1,000	<310	13,000 E	21,000	680	540	620	520
Naphthalene	1,000,000	5,600	µg/Kg	<330	1,100	<310	**23,000 E**	**70,000**	<330	<340	<350	<350
Phenanthrene	1,000,000	4,000	µg/Kg	<330	**4,700**	<310	**39,000 E**	**95,000**	<330	590	410	<350
Phenol	1,000,000	80,000	µg/Kg	<330	<390	<310	4,900	<6200	<330	<340	<350	<350
Pyrene	1,000,000	4,000	µg/Kg	<330	3,200	<310	**49,000 E**	**69,000**	<330	<340	550	<350
Extractable Total Petroleum Hydrocarbons												
CT ETPH	500,000	500,000	µg/Kg	<14000	180,000	<14000	**4,100,000**	NA	85,000	75,000	26,000	17,000

Notes:

1.) State of Connecticut Regulation of Department of Environmental Protection, Appendix A to Sections 22a-133k-1 through 22a-133k-3; Direct Exposure Criteria for Soil

2.) State of Connecticut Regulation of Department of Environmental Protection, Appendix A to Sections 22a-133k-1 through 22a-133k-3; Pollutant Mobility Criteria for Soil

DF = Dilution Factor

BOLD values exceed Pollutant Mobility Criteria for Soil

Shaded values exceed Direct Exposure Criteria for Soil

-- = No standard

< = Parameter was not detected at or above the specified reporting limit.

E = Compound concentration exceeds the upper level of the calibration range of the instrument for that specific analysis.

TABLE 2

Soil Analytical Data - Detected Parameters Only
Environmental Subsurface Investigation
Nettleton Area Storm Drain Improvement Project
Naugatuck, Connecticut

Sample Location				GP-1	GP-2	GP-3	GP-4	GP-5	GP-6	GP-7	GP-8
Sample Depth				(4-4.8)	(4.4-5)	(2-2.7)	(8-9.2)	(1-1.5)	(4-5)	(4-4.8)	(1-2)
Sample Date				11/18/2010	11/18/2010	11/18/2010	11/18/2010	11/18/2010	11/18/2010	11/18/2010	11/18/2010
Pesticides	**Direct Exposure Criteria for Soil - Residential [1]**	**Pollutant Mobility Criteria for Soil - GA, GAA [2]**	**Units**								
None Detected	--	--		--	--	--	--	--	--	--	--

Notes:
1.) State of Connecticut Regulation of Department of Environmental Protection, Appendix A to Sections 22a-133k-1 through 22a-133k-3; Direct Exposure Criteria for Soil
2.) State of Connecticut Regulation of Department of Environmental Protection, Appendix A to Sections 22a-133k-1 through 22a-133k-3; Pollutant Mobility Criteria for Soil

TABLE 2

Soil Analytical Data - Detected Parameters Only
Environmental Subsurface Investigation
Nettleton Area Storm Drain Improvement Project
Naugatuck, Connecticut

			Sample Location	GP-1	GP-2	GP-3	GP-4	GP-5	GP-6	GP-7	GP-8
			Sample Depth	(4-4.8)	(4.4-5)	(2-2.7)	(8-9.2)	(1-1.5)	(4-5)	(4-4.8)	(1-2)
			Sample Date	11/18/2010	11/18/2010	11/18/2010	11/18/2010	11/18/2010	11/18/2010	11/18/2010	11/18/2010
Metals	**Direct Exposure Criteria for Soil - Residential [1]**	**Pollutant Mobility Criteria for Soil - GA, GAA [2]**	**Units**								
Arsenic	10	--	mg/Kg	2	1.5	1.6	3.4	27.3	3	1.4	1.1
Barium	4,700	--	mg/Kg	60.5	76	71.5	93	73	68	135	67.9
Beryllium	2	--	mg/Kg	<0.58	0.94	<0.53	0.56	0.59	<0.54	1	<0.54
Chromium	3,900	--	mg/Kg	15.6	12	17.8	19.8	8.3	14.5	18.1	16.1
Copper	2,500	--	mg/Kg	8.5	5.4	7.2	15.5	44.2	10	9.3	4.4
Lead	500	--	mg/Kg	7.7	8.9	6.2	41.1	107	51.7	8.9	8.4
Nickel	1,400	--	mg/Kg	10.6	6.2	10.5	11.5	13.9	9.7	11.4	9
Selenium	340	--	mg/Kg	2	1.8	1.2	1.5	2.1	2.3	1.7	1.4
Vanadium	470	--	mg/Kg	30.1	27.7	34.2	31	17.5	30.5	43.4	39.1
Zinc	20,000	--	mg/Kg	28.5	21.6	30.3	167	53.7	35.3	43.7	180
Mercury	20	--	mg/Kg	<0.056	<0.072	<0.057	0.089	0.077	0.42	<0.057	<0.057

Notes:

1.) State of Connecticut Regulation of Department of Environmental Protection, Appendix A to Sections 22a-133k-1 through 22a-133k-3; Direct Exposure Criteria for Soil

2.) State of Connecticut Regulation of Department of Environmental Protection, Appendix A to Sections 22a-133k-1 through 22a-133k-3; Pollutant Mobility Criteria for Soil

BOLD values exceed Pollutant Mobility Criteria for Soil

Shaded values exceed Direct Exposure Criteria for Soil

-- = No standard

< = Parameter was not detected at or above the specified reporting limit.

TABLE 3

Hazardous Waste Characterization Analytical Results
Environmental Subsurface Investigation
Nettleton Area Storm Drain Improvement Project
Naugatuck, Connecticut

		Sample Location	GP-3
		Sample Depth	(2-3)
		Sample Date	11/18/2010
Analyte	**Maximum Concentration of Contaminants for the Toxicity Characteristic**	**Units**	
Arsenic	5	mg/L	< 0.075
1,1-Dichloroethene	0.7	mg/L	< 0.00050
1,2-Dichloroethane	0.5	mg/L	< 0.00050
1,4-Dichlorobenzene	7.5	mg/L	< 0.020
2,4,5-Trichlorophenol	400	mg/L	< 0.10
2,4,6-Trichlorophenol	2	mg/L	< 0.020
2,4-D	10	mg/L	< 0.080
2,4-Dinitrotoluene	0.13	mg/L	< 0.020
2-Butanone (MEK)	200	mg/L	< 0.0020
2-Methylphenol	200	mg/L	< 0.020
Barium	100	mg/L	0.37
Benzene	0.5	mg/L	< 0.00050
Cadmium	1	mg/L	< 0.025
Carbon tetrachloride	0.5	mg/L	< 0.00050
Chlorobenzene	100	mg/L	< 0.00050
Chloroform	6	mg/L	0.0014 B
Chromium	5	mg/L	< 0.025
Hexachlorobenzene	0.13	mg/L	< 0.020
Hexachlorobutadiene	0.5	mg/L	< 0.020
Hexachloroethane	3	mg/L	< 0.020
Lead	5	mg/L	< 0.075
Mercury	0.2	mg/L	< 0.0020
Methylphenol, 3 & 4	200	mg/L	< 0.020
Nitrobenzene	2	mg/L	< 0.020
Pentachlorophenol	100	mg/L	< 0.10
Pyridine	5	mg/L	< 0.040
Selenium	1	mg/L	< 0.19
Silver	5	mg/L	< 0.025
Silvex (2,4,5-TP)	1	mg/L	< 0.080
Tetrachloroethene	0.7	mg/L	< 0.00050
Trichloroethene	0.5	mg/L	< 0.00050
Vinyl chloride	0.2	mg/L	< 0.00050

Parameter	**Criteria for Identifying Hazardous Waste**		
Reactivity			
Cyanide, Reactive	NA	mg/Kg	< 0.50
Sulfide, Reactive	NA	mg/Kg	< 20.0
Corrosivity (pH)	≤2 or ≥12.5	SU	4.52
Ignitability	Any Positive Result	mm/sec	< 2.2

Notes:
< = Parameter was not detected at or above the specified reporting limit.

TABLE 4

Groundwater Analytical Data - Detected Parameters Only
Environmental Subsurface Investigation
Nettleton Area Storm Drain Improvement Project
Naugatuck, Connecticut

	Sample Location		GP-2	GP-2
	Sample Depth		3.6' to 13.6'	3.6' to 13.6'
	Sample Date		11/18/2010	11/18/2010
	Dilution Factor		1	4
VOCs	**Groundwater Protection Criteria** [1]			
1,2,4-Trimethylbenzene	--	ug/L	1.1	3.2
Naphthalene	280	ug/L	200 E	200
N-Propylbenzene	--	ug/L	0.73	<2.0

Notes:
1.) State of Connecticut Regulation of Department of Environmental Protection, Appendix A to Sections 22a-133k-1 through 22a-133k-3; Groundwater Protection Criteria
BOLD values exceed Groundwater Protection Standard
-- = No standard
< = Parameter was not detected at or above the specified reporting limit.
E = Compound concentration exceeds the upper level of the calibration range of the instrument for that specific analysis.

TABLE 4

Groundwater Analytical Data - Detected Parameters Only
Environmental Subsurface Investigation
Nettleton Area Storm Drain Improvement Project
Naugatuck, Connecticut

		Sample Location	GP-2
		Sample Depth	3.6' to 13.6'
		Sample Date	11/18/2010
	Groundwater Protection Criteria [1]		
SVOCs			
2-Methylnaphthalene	--	ug/L	15
Acenaphthylene	420	ug/L	7.0
Carbazole	--	ug/L	13
Dibenzofuran	--	ug/L	5.7
Fluoranthene	280	ug/L	4.4
Fluorene	280	ug/L	9.7
Methylphenol, 3 & 4	--	ug/L	5.9
Naphthalene	280	ug/L	44
Phenanthrene	200	ug/L	18
Extractable Total Petroleum Hydrocarbons			
CT ETPH	500	ug/L	460

Notes:
1.) State of Connecticut Regulation of Department of Environmental Protection, Appendix A to Sections 22a-133k-1 through 22a-133k-3; Groundwater Protection Criteria
BOLD values exceed Groundwater Protection Standard
< = Parameter was not detected at or above the specified reporting limit.

TABLE 4

Groundwater Analytical Data - Detected Parameters Only
Environmental Subsurface Investigation
Nettleton Area Storm Drain Improvement Project
Naugatuck, Connecticut

		Sample Location	GP-2
		Sample Depth	3.6' to 13.6'
		Sample Date	11/18/2010
Pesticides	**Groundwater Protection Criteria** [1]	**Units**	
None Detected	--	--	--

Notes:
1.) State of Connecticut Regulation of Department of Environmental Protection, Appendix A to Sections 22a-133k-1 through 22a-133k-3; Groundwater Protection Criteria

TABLE 4

Groundwater Analytical Data - Detected Parameters Only
Environmental Subsurface Investigation
Nettleton Area Storm Drain Improvement Project
Naugatuck, Connecticut

		Sample Location	GP-2
		Sample Depth	3.6' to 13.6'
		Sample Date	11/18/2010**Metal**
Metals	**Groundwater Protection Criteria** [1]	**Units**	
Arsenic	50	ug/L	**73.9**
Barium	1,000	ug/L	**11,000**
Beryllium	4	ug/L	**60.30**
Chromium	50	ug/L	**1,110**
Copper	1,300	ug/L	1,070
Lead	15	ug/L	**582**
Nickel	100	ug/L	**856**
Selenium	50	ug/L	**62.6**
Vanadium	50	ug/L	**2,430**
Zinc	5,000	ug/L	2,980

Notes:
1.) State of Connecticut Regulation of Department of Environmental Protection, Appendix A to Sections 22a-133k-1 through 22a-133k-3; Groundwater Protection Criteria
BOLD values exceed Groundwater Protection Criteria

ATTACHMENT A

BORING LOGS

CLOUGH HARBOUR & ASSOCIATES LLP

PROJECT NUMBER: 20466 12/15/2010

Nettleton Area Storm Drain Improvement Project
SUBSURFACE LOG
HOLE NUMBER GP-1

LOCATION: Borough of Naugatuck, Connecticut
CLIENT: Borough of Naugatuck
CONTRACTOR: Aquifer Drilling and Testing
DRILLER: R. Buley INSPECTOR: S. Rosecrans
START DATE and TIME: 11/18/2010
FINISH DATE and TIME: 11/18/2010
SURFACE ELEV: CHECKED BY: S. Newell

DRILL FLUID: DRILLING METHOD: Geoprobe

WATER LEVEL OBSERVATIONS DURING DRILLING	DATE	TIME	WATER DEPTH (ft)	CASING BOTTOM (ft)	HOLE BOTTOM (ft)

SAMP./CORE NUMBER	SAMP. ADV. (ft) LEN. CORE (ft)	RECOVERY (ft)	PID Readings (ppm)	"N" Value or RQD%	SAMPLE	DEPTH (Feet)	GRAPHICS	DESCRIPTION AND CLASSIFICATION	ELEVATION (Feet)	Remarks on Character of Drilling, Water Return, etc.	WATER LEVELS AND/OR WELL DATA
			0.0					**ASPHALT**, **(FILL)**			
								f.m.c. SAND, little f.c. gravel, trace silt, brown, moist **(FILL)**			
S-1	4	2.8	0.0			2		grades to little silt, trace f.c. gravel			
			0.0			4		**f.m.c. SAND**, little f.c. gravel, trace silt, brown, moist **(FILL)**		Soil sample collected from 4' to 4.6' at 09:50	
			0.0					**f.m. SAND**, some Silt, trace organics, black/brown, moist **(SM)**			
S-2	4	3.2	0.0			6		**f.m.c. SAND**, some Silt, little f.c. gravel, tan/brown, moist **(SM)**			
			0.0			8		grades to brown			
S-3	2.3	2.3				10					
								End of Boring at 10.3 ft		Refusal at 10.25'	

GEOPROBE LOG 20466_NAUGATUCK BORING LOGS.GPJ UPDATEDCHA.GDT 12/16/10

CLOUGH HARBOUR & ASSOCIATES LLP

PROJECT NUMBER: 20466 12/15/2010

Nettleton Area Storm Drain Improvement Project
SUBSURFACE LOG
HOLE NUMBER GP-2

LOCATION: Borough of Naugatuck, Connecticut
CLIENT: Borough of Naugatuck
CONTRACTOR: Aquifer Drilling and Testing
DRILLER: R. Buley INSPECTOR: S. Rosecrans
START DATE and TIME: 11/18/2010
FINISH DATE and TIME: 11/18/2010
SURFACE ELEV: CHECKED BY: S. Newell

DRILL FLUID: DRILLING METHOD: Geoprobe

WATER LEVEL OBSERVATIONS DURING DRILLING	DATE	TIME	WATER DEPTH (ft)	CASING BOTTOM (ft)	HOLE BOTTOM (ft)

SAMP./CORE NUMBER	SAMP. ADV. (ft) LEN. CORE (ft)	RECOVERY (ft)	PID Readings (ppm)	"N" Value or RQD%	SAMPLE	DEPTH (Feet)	GRAPHICS	DESCRIPTION AND CLASSIFICATION	ELEVATION (Feet)	Remarks on Character of Drilling, Water Return, etc.	WATER LEVELS AND/OR WELL DATA
			0.0					**ASPHALT**, **(FILL)**			
								f.m.c. SAND, little f.c. gravel, brown/black, moist **(FILL)**			
								c. GRAVEL, little f.m.c sand, gray, moist **(FILL)**			
S-1	4	2.5	0.0			2		**f.m.c. SAND**, some Fill (cinders/ash), black/white, moist **(FILL)**			
								f.m.c. SAND, little silt, trace f.c. gravel, brown, moist **(FILL)**			
			0.0			4		**c. GRAVEL**, little f.m.c sand, brown, moist **(FILL)**		Soil sample collected from 4' to 4.6' at 10:35	
			0.0					**f.m. SAND**, some Silt, trace organics, black/brown, moist **(SM)**			
			0.0					**f.m.c. SAND**, some Silt, little f.c. gravel, tan/brown, moist **(SM)**			
S-2	4	2.6				6					
			0.0			8					
S-3	4	4				10					
			0.0			12				1" temporary PVC groundwater monitoring well installed to 13.6'. Groundwater sample collected at 15:45.	
S-4	1.6	1.6						End of Boring at 13.6 ft		Refusal at 13.6'	

GEOPROBE LOG 20466_NAUGATUCK BORING LOGS.GPJ UPDATEDCHA.GDT 12/16/10

CLOUGH HARBOUR & ASSOCIATES LLP

PROJECT NUMBER: 20466 12/15/2010

Nettleton Area Storm Drain Improvement Project
SUBSURFACE LOG
HOLE NUMBER GP-3

LOCATION: Borough of Naugatuck, Connecticut
CLIENT: Borough of Naugatuck
CONTRACTOR: Aquifer Drilling and Testing
DRILLER: R. Buley INSPECTOR: S. Rosecrans
START DATE and TIME: 11/18/2010
FINISH DATE and TIME: 11/18/2010
SURFACE ELEV: CHECKED BY: S. Newell

DRILL FLUID: DRILLING METHOD: Geoprobe

WATER LEVEL OBSERVATIONS DURING DRILLING	DATE	TIME	WATER DEPTH (ft)	CASING BOTTOM (ft)	HOLE BOTTOM (ft)

SAMP./CORE NUMBER	SAMP. ADV. (ft) LEN. CORE (ft)	RECOVERY (ft)	PID Readings (ppm)	"N" Value or RQD%	SAMPLE	DEPTH (Feet)	GRAPHICS	DESCRIPTION AND CLASSIFICATION	ELEVATION (Feet)	Remarks on Character of Drilling, Water Return, etc.	WATER LEVELS AND/OR WELL DATA
								ASPHALT, **(FILL)**			
			0.0					**f.m.c. SAND**, little f.c. gravel, brown/black, moist **(FILL)**			
S-1	4	3				2				Soil sample collected from 2' to 2.6' at 11:30	
			0.0					**c. GRAVEL**, trace f.m. sand, gray, moist **(FILL)**			
								f.m.c. SAND, little silt, trace f.c. gravel, brown, moist **(FILL)**		Soil sample collected from 2' to 3' at 11:40 for TCLP analysis from a second soil boring installed immediately adjacent to GP-3 in order to obtain additional sample volume.	
			0.0			4					
			0.0					**f.m. SAND**, some Silt, trace organics, black/brown, moist **(SM)**			
			0.0					**f.m.c. SAND**, some Silt, little f.c. gravel, brown, moist **(SM)**			
S-2	4	3.3				6					
			0.0			8					
S-3	2.5	2.5				10					
								End of Boring at 10.5 ft		Refusal at 10.5'	

GEOPROBE LOG 20466_NAUGATUCK BORING LOGS.GPJ UPDATEDCHA.GDT 12/16/10

CLOUGH HARBOUR & ASSOCIATES LLP

PROJECT NUMBER: 20466 12/15/2010

Nettleton Area Storm Drain Improvement Project
SUBSURFACE LOG
HOLE NUMBER GP-4

LOCATION: Borough of Naugatuck, Connecticut
CLIENT: Borough of Naugatuck
CONTRACTOR: Aquifer Drilling and Testing
DRILLER: R. Buley INSPECTOR: S. Rosecrans
START DATE and TIME: 11/18/2010
FINISH DATE and TIME: 11/18/2010
SURFACE ELEV: CHECKED BY: S. Newell

DRILL FLUID: DRILLING METHOD: Geoprobe

WATER LEVEL OBSERVATIONS DURING DRILLING	DATE	TIME	WATER DEPTH (ft)	CASING BOTTOM (ft)	HOLE BOTTOM (ft)

SAMP./CORE NUMBER	SAMP. ADV. (ft) LEN. CORE (ft)	RECOVERY (ft)	PID Readings (ppm)	"N" Value or RQD%	SAMPLE	DEPTH (Feet)	GRAPHICS	DESCRIPTION AND CLASSIFICATION	ELEVATION (Feet)	Remarks on Character of Drilling, Water Return, etc.	WATER LEVELS AND/OR WELL DATA
			0.0					**ASPHALT**, **(FILL)**			
			0.0					**f.m.c. SAND**, little f.c. gravel, brown/black, moist **(FILL)**			
S-1	4	2.5				2		grades to little silt, trace f.c. gravel, brown			
			0.0			4		**f.m. SAND**, some Silt, trace organics, brown, moist **(FILL)**			
			0.0					**f.m.c. SAND**, little silt, trace f.c. gravel, brown, moist **(FILL)**			
								c. GRAVEL, trace f.m. sand, white, moist **(FILL)**			
			0.0					**f.m.c. SAND**, some Silt, little f.c. gravel, brown, moist **(SM)**			
S-2	4	2.9				6					
			2.1			8		slight asphalt/petroleum odor		Soil sample collected from 8' to 9.2' at 12:35	
S-3	2.5	2.5	0.0					**f.m.c. SAND**, some Silt, little f.c. gravel, brown, moist **(SM)**			
						10					
								End of Boring at 10.5 ft		Refusal at 10.5'	

GEOPROBE LOG 20466_NAUGATUCK BORING LOGS.GPJ UPDATEDCHA.GDT 12/16/10

CLOUGH HARBOUR & ASSOCIATES LLP

PROJECT NUMBER: 20466 12/15/2010

Nettleton Area Storm Drain Improvement Project
SUBSURFACE LOG
HOLE NUMBER GP-5

LOCATION: Borough of Naugatuck, Connecticut
CLIENT: Borough of Naugatuck
CONTRACTOR: Aquifer Drilling and Testing
DRILLER: R. Buley INSPECTOR: S. Rosecrans
START DATE and TIME: 11/18/2010
FINISH DATE and TIME: 11/18/2010
SURFACE ELEV:
CHECKED BY: S. Newell

DRILL FLUID: DRILLING METHOD: Geoprobe

WATER LEVEL OBSERVATIONS DURING DRILLING	DATE	TIME	WATER DEPTH (ft)	CASING BOTTOM (ft)	HOLE BOTTOM (ft)

SAMP./CORE NUMBER	SAMP. ADV. (ft) LEN. CORE (ft)	RECOVERY (ft)	PID Readings (ppm)	"N" Value or RQD%	SAMPLE	DEPTH (Feet)	GRAPHICS	DESCRIPTION AND CLASSIFICATION	ELEVATION (Feet)	Remarks on Character of Drilling, Water Return, etc.	WATER LEVELS AND/OR WELL DATA
								ASPHALT, **(FILL)**			
			0.0					**f.c. GRAVEL**, trace f.m. sand, gray, moist **(FILL)**			
S-1	3	1.7	0.0			2		**FILL**, (ash), some f.m.c. Sand, little f.c. gravel, brown, moist **(FILL)** **f.m.c. SAND**, little f.c. gravel, trace silt, brown, moist **(FILL)**		Soil sample collected from 1' to 1.5' at 13:40. Sample depth based on less than 50% recovery. Actual sample depth may vary.	
								End of Boring at 3 ft		Refusal at 3'	
						4					
						6					
						8					
						10					

GEOPROBE LOG 20466_NAUGATUCK BORING LOGS.GPJ UPDATEDCHA.GDT 12/16/10

CLOUGH HARBOUR & ASSOCIATES LLP

PROJECT NUMBER: 20466 12/15/2010

Nettleton Area Storm Drain Improvement Project
SUBSURFACE LOG
HOLE NUMBER GP-6

LOCATION: Borough of Naugatuck, Connecticut
CLIENT: Borough of Naugatuck
CONTRACTOR: Aquifer Drilling and Testing
DRILLER: R. Buley INSPECTOR: S. Rosecrans
START DATE and TIME: 11/18/2010
FINISH DATE and TIME: 11/18/2010
SURFACE ELEV: CHECKED BY: S. Newell

DRILL FLUID: DRILLING METHOD: Geoprobe

WATER LEVEL OBSERVATIONS DURING DRILLING	DATE	TIME	WATER DEPTH (ft)	CASING BOTTOM (ft)	HOLE BOTTOM (ft)

SAMP./CORE NUMBER	SAMP. ADV. (ft) LEN. CORE (ft)	RECOVERY (ft)	PID Readings (ppm)	"N" Value or RQD%	SAMPLE	DEPTH (Feet)	GRAPHICS	DESCRIPTION AND CLASSIFICATION	ELEVATION (Feet)	Remarks on Character of Drilling, Water Return, etc.	WATER LEVELS AND/OR WELL DATA
			0.0					**ASPHALT**, **(FILL)**			
			0.0					**FILL**, (ash), some f.m. Sand, little f.c. gravel, black, moist **(FILL)**			
								f.m.c. SAND, little f.c. gravel, trace silt, brown, moist **(FILL)**		Soil lithology from 0' to 4' based on less than 50% recovery. Actual lithology may vary.	
S-1	4	1.8				2		No Recovery (1.75' to 4')			
			0.0			4		**f.m.c. SAND**, little f.c. gravel, trace silt, brown, moist **(FILL)**		Soil sample collected from 4' to 5' at 13:55	
S-2	3	1				6		No Recovery (5' to 7')			
						8		End of Boring at 7 ft		Refusal at 7'	
						10					

GEOPROBE LOG 20466_NAUGATUCK BORING LOGS.GPJ UPDATEDCHA.GDT 12/16/10

CLOUGH HARBOUR & ASSOCIATES LLP

PROJECT NUMBER: 20466 12/15/2010

Nettleton Area Storm Drain Improvement Project
SUBSURFACE LOG
HOLE NUMBER GP-7

LOCATION: Borough of Naugatuck, Connecticut
CLIENT: Borough of Naugatuck
CONTRACTOR: Aquifer Drilling and Testing
DRILLER: R. Buley INSPECTOR: S. Rosecrans
START DATE and TIME: 11/18/2010
FINISH DATE and TIME: 11/18/2010
SURFACE ELEV: CHECKED BY: S. Newell

DRILL FLUID: DRILLING METHOD: Geoprobe

WATER LEVEL OBSERVATIONS DURING DRILLING	DATE	TIME	WATER DEPTH (ft)	CASING BOTTOM (ft)	HOLE BOTTOM (ft)

SAMP./CORE NUMBER	SAMP. ADV. (ft) LEN. CORE (ft)	RECOVERY (ft)	PID Readings (ppm)	"N" Value or RQD%	SAMPLE	DEPTH (Feet)	GRAPHICS	DESCRIPTION AND CLASSIFICATION	ELEVATION (Feet)	Remarks on Character of Drilling, Water Return, etc.	WATER LEVELS AND/OR WELL DATA
			0.0					**TOPSOIL**, **(FILL)**			
								f.m.c. SAND, little f.c. gravel, brown, moist **(FILL)**			
								No Recovery (1.25' to 4')		Soil lithology from 0' to 4' based on less than 50% recovery. Actual lithology may vary.	
S-1	4	1.3				2					
			0.0			4		**f.m.c. SAND**, little f.c. gravel, brown, moist **(FILL)**		Soil sample collected from 4' to 4.7' at 14:30	
			0.0					**f.c. GRAVEL**, trace f.m. sand, gray, moist **(FILL)**			
			0.0					**f.m.c. SAND**, some Silt, little f.c. gravel, tan/brown, moist **(SM)**			
S-2	4	2.5				6					
			0.0			8		grades to little silt			
S-3	2	2						grades to some Silt			
						10		End of Boring at 10 ft		Refusal at 10'	

CLOUGH HARBOUR & ASSOCIATES LLP

PROJECT NUMBER: 20466 12/15/2010

Nettleton Area Storm Drain Improvement Project
SUBSURFACE LOG
HOLE NUMBER GP-8

LOCATION: Borough of Naugatuck, Connecticut
CLIENT: Borough of Naugatuck
CONTRACTOR: Aquifer Drilling and Testing
DRILLER: R. Buley INSPECTOR: S. Rosecrans
START DATE and TIME: 11/18/2010
FINISH DATE and TIME: 11/18/2010
SURFACE ELEV: CHECKED BY: S. Newell

DRILL FLUID: DRILLING METHOD: Geoprobe

WATER LEVEL OBSERVATIONS DURING DRILLING	DATE	TIME	WATER DEPTH (ft)	CASING BOTTOM (ft)	HOLE BOTTOM (ft)

SAMP./CORE NUMBER	SAMP. ADV. (ft) LEN. CORE (ft)	RECOVERY (ft)	PID Readings (ppm)	"N" Value or RQD%	SAMPLE	DEPTH (Feet)	GRAPHICS	DESCRIPTION AND CLASSIFICATION	ELEVATION (Feet)	Remarks on Character of Drilling, Water Return, etc.	WATER LEVELS AND/OR WELL DATA
			0.0					**TOPSOIL**, **(FILL)**			
								f.m.c. SAND, little f.c. gravel, brown, moist **(FILL)**			
								grades to little silt, trace f.c. gravel		Soil sample collected from 1' to 2' at 15:10	
			0.0								
S-1	4	1.3				2					
			0.0			4		**f.m.c. SAND**, little f.c. gravel, trace silt, brown, moist **(SP)**			
			0.0					grades to little silt, trace f.c. gravel **(SM)**			
S-2	4	2.5				6					
			0.0			8					
S-3	2.5	2.5				10					
								End of Boring at 10.5 ft		Refusal at 10.5'	

GEOPROBE LOG 20466_NAUGATUCK BORING LOGS.GPJ UPDATEDCHA.GDT 12/16/10

ATTACHMENT B

LABORATORY ANALYTICAL REPORT

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 220-14062-1

Job Description: Naugatuck, CT

For:
CHA Inc
3 Winner Circle
PO BOX 5269
Albany, NY 12205-0269

Attention: Ms. Sarah Newell

Approved for release.
Joan Widomski
Data Review Analyst I
12/7/2010 6:15 PM

Designee for
Johanna Dubauskas
Project Manager I
johanna.dubauskas@testamericainc.com
12/07/2010

The test results in this report meet all NELAP requirements unless specified within the case narrative. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Project Manager.

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ACCREDITED IN ACCORDANCE WITH nelac

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REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name:	**TestAmerica Connecticut**	***Client:***	**CHA**
Project Location:	**Naugatuck CT**	***Project Number:***	**220-14062-1**
Laboratory Sample ID (s):	**220-14062 1 thru 12**	***Sampling Date (s):***	**11/18/10**
RCP Method:	**8260B, 8081A (Aq), 8270C, CTETPH, 6010, 6020,**	**7470, 7471, 1311**	

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed (including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents)?	Yes √		No
1A	Were the method specified preservation and holding time requirements met?	Yes √		No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)	Yes	N/A √	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	Yes √		No
3	Were samples received at an appropriate temperature (<6°C)? same day as collection	Yes	N/A √	No
4	Were all QA/QC performance criteria specified in the CT DEP Reasonable Confidence Protocol documents achieved?	Yes		No √
5	a) Were reporting limits specified or referenced on the chain-of custody?	Yes √		No
	b) Were these reporting limits met? (Refer to Report Narrative)	Yes		No √
6	For each analytical method reference in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	Yes √		No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	Yes		No √

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in a attached narrative. If the answer to question #1, 1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence". This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Doreen Nemeth Position: Quality Assurance Manager

Printed Name: **Doreen Nemeth** Date: December 7, 2010

The certification form has been electronically signed and approved. Updated November 2007

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REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name:	TestAmerica Edison	***Client:***	**CHA Inc**
Project Location:	**Naugatuck, CT**	***Project Number:***	**220-14062-1**
Laboratory Sample ID (s):	**220-14062-1 through -8**	***Sampling Date (s):***	**11/18/10**
Method:	**8081**		

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed (including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents)?	Yes √		No
1A	Were the method specified preservation and holding time requirements met?	Yes √		No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)	Yes	N/A √	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	Yes √		No
3	Were samples received at an appropriate temperature (<6°C)?	Yes √	N/A	No
4	Were all QA/QC performance criteria specified in the CT DEP Reasonable Confidence Protocol documents achieved? (refer to narrative)	Yes √		No
5	a) Were reporting limits specified or referenced on the chain-of custody?	Yes		No √
	b) Were these reporting limits met? (refer to narrative)	Yes	N/A √	No
6	For each analytical method reference in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	Yes √		No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	Yes √		No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in a attached narrative. If the answer to question #1, 1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence. This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: _____ Position: Operations Manager

Printed Name: Mark Acierno Date: 12/7/10 17:51

The certification form has been electronically signed and approved.

Updated Nov 2007

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REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name:	TestAmerica Edison	***Client:***	**CHA Inc**
Project Location:	**Naugatuck, CT**	***Project Number:***	**220-14062-1**
Laboratory Sample ID (s):	**220-14062-10**	***Sampling Date (s):***	**11/18/10**
Method:	**8151A/TCLP**		

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed (including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents)?	Yes √		No
1A	Were the method specified preservation and holding time requirements met?	Yes √		No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)	Yes	N/A √	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	Yes √		No
3	Were samples received at an appropriate temperature (<6°C)?	Yes √	N/A	No
4	Were all QA/QC performance criteria specified in the CT DEP Reasonable Confidence Protocol documents achieved? (refer to narrative)	Yes √		No
5	a) Were reporting limits specified or referenced on the chain-of custody?	Yes		No √
	b) Were these reporting limits met? (refer to narrative)	Yes	N/A √	No
6	For each analytical method reference in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	Yes √		No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	Yes √		No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in a attached narrative. If the answer to question #1, 1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence. This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: _____ Position: Operations Manager

Printed Name: Mark Acierno Date: 12/7/10 17:51

The certification form has been electronically signed and approved.

Updated Nov 2007

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THE LEADER IN ENVIRONMENTAL TESTING

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CASE NARRATIVE

Client: CHA Inc

Project: Naugatuck, CT

Report Number: 220-14062-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

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

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

RECEIPT
The samples were received on 11/18/2010; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 8.2C and 12.7C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

IGNITABILITY FOR SOLIDS
Sample 220-14062-10 was analyzed for ignitability for solids in accordance with EPA SW-846 Method 1030. The samples were analyzed on 11/24/2010.

No difficulties were encountered during the ignitability analysis.

All quality control parameters were within the acceptance limits.

TOTAL METALS (ICP/MS)
Samples 220-14062-1 through 220-14062-8 were analyzed for total metals (icp/ms) in accordance with EPA SW-846 Method 6020. The samples were prepared on 11/22/2010 and analyzed on 11/23/2010.
Sample 220-14062-11 was analyzed for total metals (icp/ms) in accordance with EPA SW-846 Method 6020. The samples were prepared and analyzed on 11/23/2010.

Sample 220-14062-11(4X) required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Method(s) 6020: The low level check standard recovery associated with batch 45460 run on 11/23/10 at 12:22 was outside the acceptance criteria for selenium at 151% and thallium at 68%.

Method(s) 6020: The matrix duplicate %RPD for sample GP-2 (4.4-5) (220-14062-2) run on 11/23/10 at 16:33 was outside the control limits for arsenic at 53%, barium at 72%, beryllium at 60%, chromium at 65%, copper at 68%, nickel at 67%, lead at 69%, selenium at 80%, vanadium at 63% and zinc at 61%.

Method(s) 6020: The matrix spike (MS) recoveries for sample GP-2 (4.4-5) (220-14062-2) run on 11/23/10 at 16:47 were outside control limits for barium at 290%, vanadium at 163% and zinc at 138%. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other difficulties were encountered during the total metals (icp/ms) analysis.

TCLP METALS
Sample 220-14062-10 was analyzed for TCLP metals in accordance with EPA SW-846 Method 1311/6010. The samples were leached on 11/22/2010, prepared on 11/24/2010 and analyzed on 11/29/2010.

No difficulties were encountered during the TCLP metals analysis.

All quality control parameters were within the acceptance limits.

Refer to the QC report for details.

MERCURY
Samples 220-14062-1 through 220-14062-8 were analyzed for mercury in accordance with EPA SW-846 Method 7471A. The samples were prepared on 11/23/2010 and analyzed on 11/24/2010.
Sample 220-14062-11 was analyzed for mercury in accordance with EPA SW-846 Method 7470A. The samples were prepared on 11/22/2010 and analyzed on 11/23/2010.

No difficulties were encountered during the mercury analyses.

All quality control parameters were within the acceptance limits.

TCLP MERCURY
Sample 220-14062-10 was analyzed for TCLP mercury in accordance with EPA SW-846 Method 1311/7196A. The samples were leached on 11/22/2010, prepared on 11/29/2010 and analyzed on 11/30/2010.

No difficulties were encountered during the TCLP mercury analysis.

All quality control parameters were within the acceptance limits.

PESTICIDES
Sample 220-14062-11 was analyzed for pesticides in accordance with EPA SW-846 Method 8081A. The samples were prepared on 11/23/2010 and analyzed on 11/27/2010.

Method(s) 8081A: The continuing calibration verification (CCV) analyzed on 11/27/10 at 20:28 on GC8 recovered above the upper control limit. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

No difficulties were encountered during the pesticides analysis.

All quality control parameters were within the acceptance limits.

TCLP VOLATILE ORGANIC COMPOUNDS (GC-MS)
Sample 220-14062-10 was analyzed for TCLP volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 1311/8260B. The samples were leached on 11/23/2010 and analyzed on 11/24/2010.

Chloroform and Tetrachloroethene were detected in method blank LB 220-45464/1-A at levels exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Refer to the QC report for details.

No other difficulties were encountered during the TCLP volatile organic compounds (GC-MS) analysis.

All other quality control parameters were within the acceptance limits.

VOLATILE ORGANIC COMPOUNDS (GC-MS)
Samples 220-14062-1 through 220-14062-8 were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were prepared on 11/19/2010 and analyzed on 11/19/2010, 11/22/2010 and 11/24/2010.
Samples 220-14062-9, 220-14062-11 and 220-14062-12 were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 11/22/2010 and 11/29/2010.

Sample 220-14062-11(4X) required dilution prior to analysis. The reporting limits have been adjusted accordingly. An undilute analysis was also reported for the aforementioned sample.

Chloroform and tetrachloroethene were detected above the reporting limit (RL) of 0.5ppb in the in the leaching blank, (LB 220-45464/1-A), associated with batch 45551 at the concentations of 1.6ppb and 4.9ppb. No tetrachloroethene was detected in sample associated with this blank, level of chloroform is similar in both sample and blank.
Naphthalene was detected in method blank MB 220-45506/3 at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Refer to the QC report for details.

The following samples were also run as medium level soils due to the abundance of target analytes: GP-1 (4-4.8) (220-14062-1), GP-4 (8-9.2) (220-14062-4). Elevated reporting limits (RLs) are provided, and both sets of data were reported.

4-Bromofluorobenzene failed the surrogate recovery criteria low in the low level soil analysis for 220-14062-4. Refer to the QC report for details. The surrogate recoveries were wihtin criteria in the medium level soil analysis.

Dichlorodifluoromethane failed the recovery criteria high for LCS 220-45463/2. Acetone failed the recovery criteria high for LCS 220-45592/2. Refer to the QC report for details.

Acetone failed the recovery criteria high for LCS 220-45502/2. Acetone and Dichlorodifluoromethane failed the recovery criteria high for LCS 220-45506/2.

The initial calibration curve run on instrument MSO on 11/3/10 used a quadratic curve fit for chloroethane.
The continuing calibration verification (CCV) for instrument MSO on 11/19/10 @ 11:04 had the following compound out of RCP criteria at the corresponding %D: dichlorodifluoromethane @ 44.3%D.

The initial calibration curve analyzed on instrument MSV on 11/19/10 was outside CTRCP acceptance criteria for hexachlorobutadiene at 23.8 %RSD, methylene chloride at 28.9 %RSD, acetone at 17.0 %RSD, xylene-m&p at 22.1 %RSD, xylene-o at 20.8 %RSD, and styrene at 23.31%RSD. A quadratic curve fit was used for n-butylbenzene, isopropylbenzene and tert-butylbenzene.
The continuing calibration verification (CCV) analyzed on instrument MSV on 11/29/10 recovered above the CTRCP upper control limit for acetone at 47.0%D.

The initial calibration curve analyzed on instrument MSW on 11/03/10 was outside CTRCP acceptance criteria for xylene-m&p at 15.8 %RSD, xylene-o at 15.2%RSD, styrene at 19.9%RSD, hexachlorobutadiene at 47.1%RSD, sec-butylbenzene at 17.1%RSD, 4-isopropyltoluene at 19.9%RSD. The quadratic fit curve was used for bromomethane and trichlorofluoromethane.
The continuing calibration verification (CCV) analyzed on instrument MSW on 11/22/10 recovered above the CTRCP upper control limit for naphthalene at -30.9%D and hexachlorobutadiene at 36.8%D.
The continuing calibration verification (CCV) analyzed on instrument MSW on 11/23/10 recovered above the CTRCP upper control limit for bromommethane at -34.3%D, trichloroethane at -30.8%D, hexachlorobutadiene at -35.3%D and acetone at 76.5%D.

Method 8260B Poor Performers: Acetone, Bromoform, Bromomethane, 1,2-Dibromo-3-chloropropane, Dichlorodifluoromethane, cis-1,3-Dichloropropene, 2-Hexanone, 2-Butanone (MEK), 4-Methyl-2-Pentanone (MIBK), Naphthalene, Styrene and 1,1,2,2-Tetrachloroethane.

No other difficulties were encountered during the volatiles analyses.

All other quality control parameters were within the acceptance limits.

TCLP SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)
Sample 220-14062-10 was analyzed for TCLP semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Methods 1311/8270C. The samples were leached on 11/22/2010, prepared on 11/24/2010 and analyzed on 11/29/2010.

No difficulties were encountered during the TCLP semivolatile organic compounds (GC-MS) analysis.

All quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)
Samples 220-14062-1 through 220-14062-8 were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 11/23/2010 and analyzed on 11/24/2010 and 11/29/2010.
Sample 220-14062-11 was analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 11/22/2010 and analyzed on 11/23/2010.

1,2,4,5-Tetrachlorobenzene failed the recovery criteria high for LCS 220-45414/2-A.
Pyridine failed the recovery criteria low for LCS 220-45363/2-A. Refer to the QC report for details.

Samples 220-14062-4(2X) and 220-14062-4(20X) required dilution prior to analysis. The reporting limits have been adjusted accordingly.

The surrogate Terphenyl-d14 was outside of QC limits for sample 220-14062-4.

Method(s) 8270C: Internal standard (ISTD) response for the following sample was outside control limits: GP-4 (8-9.2) (220-14062-4). The sample was re-analyzed at a dilution for target compounds with improved results. Both sets of data have been reported.

Method(s) 8270C: The initial calibration curve that was run on instrument MSC on 11/24/10 required the quadratic equation for Dibenz (a,h) anthracene.

Method 8270 Poor Performers: 4-Chloroaniline, 4-Chloro-3-Methylphenol, 4,6-Dinitro-2-Methylphenol, 2,4-Dinitrophenol, Hexachlorocyclopentadiene, 2, 3 and 4-Nitroaniline, Pentachlorophenol, Phenol, Pyridine, 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol.

No other difficulties were encountered during the semivolatiles analyses.

All other quality control parameters were within the acceptance limits.

REACTIVE CYANIDE
Sample 220-14062-10 was analyzed for reactive cyanide in accordance with EPA SW-846 Method 9012A. The samples were prepared on 11/19/2010 and analyzed on 11/23/2010.

No difficulties were encountered during the reactive cyanide analysis.

All quality control parameters were within the acceptance limits.

REACTIVE SULFIDE
Sample 220-14062-10 was analyzed for reactive sulfide in accordance with EPA SW-846 Method 9034. The samples were prepared on 11/19/2010 and analyzed on 11/24/2010.

No difficulties were encountered during the sulfide analysis.

All quality control parameters were within the acceptance limits.

CORROSIVITY (PH)
Sample 220-14062-10 was analyzed for corrosivity (pH) in accordance with EPA SW-846 Method 9045C. The samples were analyzed on 11/20/2010.

Method(s) 9045C: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following sample has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: GP-3 (2-3) (220-14062-10)

No difficulties were encountered during the pH analysis.

All quality control parameters were within the acceptance limits.

EXTRACTABLE TOTAL PETROLEUM HYDROCARBONS
Samples 220-14062-1 through 220-14062-8 were analyzed for extractable total petroleum hydrocarbons in accordance with CTETPH. The samples were prepared on 11/22/2010 and analyzed on 11/23/2010 and 11/24/2010.
Sample 220-14062-11 was analyzed for extractable total petroleum hydrocarbons in accordance with CTETPH. The samples were prepared and analyzed on 11/24/2010.

o-Terphenyl failed the surrogate recovery criteria low for 220-14062-4. Surrogate was diluted out. Refer to the QC report for details.

Sample 220-14062-4(50X) required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the ETPH analyses.

All other quality control parameters were within the acceptance limits.

PERCENT SOLIDS
Samples 220-14062-1 through 220-14062-8 were analyzed for percent solids in accordance with ASTM D2216-71. The samples were analyzed on 11/22/2010.

No difficulties were encountered during the % solids analyses.

All quality control parameters were within the acceptance limits.

Client: CHA Inc Job Number: 220-14062-1

Laboratory Chronicle

Lab ID: 220-14062-1 **Client ID: GP-1 (4-4.8)**

Sample Date/Time: 11/18/2010 09:50 Received Date/Time: 11/18/2010 16:55

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	220-14062-D-1-A		220-45444	220-45317	11/19/2010 13:54	1	TAL CT	DH
A:8260B	220-14062-D-1-A		220-45444	220-45317	11/19/2010 15:20	1	TAL CT	DH
P:5035	220-14062-C-1-A	DL	220-45502	220-45329	11/19/2010 15:53	1	TAL CT	DH
A:8260B	220-14062-C-1-A	DL	220-45502	220-45329	11/22/2010 23:27	1	TAL CT	BK
P:3541	220-14062-A-1-C		220-45500	220-45414	11/23/2010 09:46	1	TAL CT	GHP
A:8270C	220-14062-A-1-C		220-45500	220-45414	11/24/2010 16:32	1	TAL CT	SJ
P:3541	220-14062-B-1-A		460-57038	460-56994	11/29/2010 23:45	1	TAL EDI	KH
A:8081A	220-14062-B-1-A		460-57038	460-56994	11/30/2010 07:13	1	TAL EDI	FM
P:3550B	220-14062-A-1-A		220-45488	220-45368	11/22/2010 11:27	1	TAL CT	GHP
A:CT ETPH	220-14062-A-1-A		220-45488	220-45368	11/23/2010 20:14	1	TAL CT	JC
P:3050B	220-14062-A-1-B		220-45460	220-45387	11/22/2010 12:48	1	TAL CT	JFV
A:6020	220-14062-A-1-B		220-45460	220-45387	11/23/2010 16:26	1	TAL CT	NP
P:7471A	220-14062-A-1-D		220-45504	220-45442	11/23/2010 14:55	1	TAL CT	JFV
A:7471A	220-14062-A-1-D		220-45504	220-45442	11/24/2010 13:30	1	TAL CT	JFV
A:Moisture	220-14062-A-1		220-45351		11/22/2010 09:39	1	TAL CT	AB

Lab ID: 220-14062-2 **Client ID: GP-2 (4.4-5)**

Sample Date/Time: 11/18/2010 10:35 Received Date/Time: 11/18/2010 16:55

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	220-14062-C-2-A		220-45506	220-45329	11/19/2010 15:53	1	TAL CT	DH
A:8260B	220-14062-C-2-A		220-45506	220-45329	11/24/2010 12:08	1	TAL CT	BK
P:3541	220-14062-A-2-G		220-45545	220-45414	11/23/2010 09:46	1	TAL CT	GHP
A:8270C	220-14062-A-2-G		220-45545	220-45414	11/29/2010 10:34	1	TAL CT	SJ
P:3541	220-14062-B-2-A		460-57038	460-56994	11/29/2010 23:45	1	TAL EDI	KH
A:8081A	220-14062-B-2-A		460-57038	460-56994	11/30/2010 07:27	1	TAL EDI	FM
P:3550B	220-14062-A-2-A		220-45488	220-45368	11/22/2010 11:27	1	TAL CT	GHP
A:CT ETPH	220-14062-A-2-A		220-45488	220-45368	11/23/2010 20:40	1	TAL CT	JC
P:3050B	220-14062-A-2-B		220-45460	220-45387	11/22/2010 12:48	1	TAL CT	JFV
A:6020	220-14062-A-2-B		220-45460	220-45387	11/23/2010 16:30	1	TAL CT	NP
P:7471A	220-14062-A-2-H		220-45504	220-45442	11/23/2010 14:55	1	TAL CT	JFV
A:7471A	220-14062-A-2-H		220-45504	220-45442	11/24/2010 13:31	1	TAL CT	JFV
A:Moisture	220-14062-A-2		220-45351		11/22/2010 09:39	1	TAL CT	AB

Lab ID: 220-14062-2 MS **Client ID: GP-2 (4.4-5)**

Sample Date/Time: 11/18/2010 10:35 Received Date/Time: 11/18/2010 16:55

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	220-14062-A-2-F MS		220-45460	220-45387	11/22/2010 12:48	1	TAL CT	JFV
A:6020	220-14062-A-2-F MS		220-45460	220-45387	11/23/2010 16:47	1	TAL CT	NP
P:7471A	220-14062-A-2-L MS		220-45504	220-45442	11/23/2010 14:55	1	TAL CT	JFV
A:7471A	220-14062-A-2-L MS		220-45504	220-45442	11/24/2010 13:33	1	TAL CT	JFV

Client: CHA Inc Job Number: 220-14062-1

Laboratory Chronicle

Lab ID: 220-14062-2 DU **Client ID: GP-2 (4.4-5)**

Sample Date/Time: 11/18/2010 10:35 Received Date/Time: 11/18/2010 16:55

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	220-14062-A-2-E DU		220-45460	220-45387	11/22/2010 12:48	1	TAL CT	JFV
A:6020	220-14062-A-2-E DU		220-45460	220-45387	11/23/2010 16:33	1	TAL CT	NP
P:7471A	220-14062-A-2-K DU		220-45504	220-45442	11/23/2010 14:55	1	TAL CT	JFV
A:7471A	220-14062-A-2-K DU		220-45504	220-45442	11/24/2010 13:32	1	TAL CT	JFV

Lab ID: 220-14062-3 **Client ID: GP-3 (2-2.7)**

Sample Date/Time: 11/18/2010 11:30 Received Date/Time: 11/18/2010 16:55

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	220-14062-D-3-A		220-45444	220-45317	11/19/2010 13:54	1	TAL CT	DH
A:8260B	220-14062-D-3-A		220-45444	220-45317	11/19/2010 16:11	1	TAL CT	DH
P:3541	220-14062-A-3-C		220-45500	220-45414	11/23/2010 09:46	1	TAL CT	GHP
A:8270C	220-14062-A-3-C		220-45500	220-45414	11/24/2010 17:01	1	TAL CT	SJ
P:3541	220-14062-B-3-A		460-57038	460-56994	11/29/2010 23:45	1	TAL EDI	KH
A:8081A	220-14062-B-3-A		460-57038	460-56994	11/30/2010 07:41	1	TAL EDI	FM
P:3550B	220-14062-A-3-A		220-45488	220-45368	11/22/2010 11:27	1	TAL CT	GHP
A:CT ETPH	220-14062-A-3-A		220-45488	220-45368	11/23/2010 21:07	1	TAL CT	JC
P:3050B	220-14062-A-3-B		220-45460	220-45387	11/22/2010 12:48	1	TAL CT	JFV
A:6020	220-14062-A-3-B		220-45460	220-45387	11/23/2010 17:01	1	TAL CT	NP
P:7471A	220-14062-A-3-D		220-45504	220-45442	11/23/2010 14:55	1	TAL CT	JFV
A:7471A	220-14062-A-3-D		220-45504	220-45442	11/24/2010 13:35	1	TAL CT	JFV
A:Moisture	220-14062-A-3		220-45351		11/22/2010 09:39	1	TAL CT	AB

Client: CHA Inc Job Number: 220-14062-1

Laboratory Chronicle

Lab ID: 220-14062-4 **Client ID: GP-4 (8-9.2)**

Sample Date/Time: 11/18/2010 12:25 Received Date/Time: 11/18/2010 16:55

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	220-14062-D-4-A		220-45444	220-45317	11/19/2010 13:54	1	TAL CT	DH
A:8260B	220-14062-D-4-A		220-45444	220-45317	11/19/2010 16:36	1	TAL CT	DH
P:5035	220-14062-C-4-A	DL	220-45506	220-45329	11/19/2010 15:53	40	TAL CT	DH
A:8260B	220-14062-C-4-A	DL	220-45506	220-45329	11/24/2010 14:10	40	TAL CT	BK
P:3541	220-14062-A-4-C	DL	220-45545	220-45414	11/23/2010 09:46	20	TAL CT	GHP
A:8270C	220-14062-A-4-C	DL	220-45545	220-45414	11/29/2010 11:04	20	TAL CT	SJ
P:3541	220-14062-A-4-C		220-45545	220-45414	11/23/2010 09:46	2	TAL CT	GHP
A:8270C	220-14062-A-4-C		220-45545	220-45414	11/29/2010 12:03	2	TAL CT	SJ
P:3541	220-14062-B-4-A		460-57038	460-56994	11/29/2010 23:45	1	TAL EDI	KH
A:8081A	220-14062-B-4-A		460-57038	460-56994	11/30/2010 07:55	1	TAL EDI	FM
P:3550B	220-14062-A-4-A		220-45497	220-45368	11/22/2010 11:27	50	TAL CT	GHP
A:CT ETPH	220-14062-A-4-A		220-45497	220-45368	11/24/2010 10:50	50	TAL CT	JC
P:3050B	220-14062-A-4-B		220-45460	220-45387	11/22/2010 12:48	1	TAL CT	JFV
A:6020	220-14062-A-4-B		220-45460	220-45387	11/23/2010 17:05	1	TAL CT	NP
P:7471A	220-14062-A-4-D		220-45504	220-45442	11/23/2010 14:55	1	TAL CT	JFV
A:7471A	220-14062-A-4-D		220-45504	220-45442	11/24/2010 13:35	1	TAL CT	JFV
A:Moisture	220-14062-A-4		220-45351		11/22/2010 09:39	1	TAL CT	AB

Lab ID: 220-14062-5 **Client ID: GP-5 (1-1.5)**

Sample Date/Time: 11/18/2010 13:40 Received Date/Time: 11/18/2010 16:55

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	220-14062-C-5-A		220-45506	220-45329	11/19/2010 15:53	1	TAL CT	DH
A:8260B	220-14062-C-5-A		220-45506	220-45329	11/24/2010 12:32	1	TAL CT	BK
P:3541	220-14062-A-5-C		220-45500	220-45414	11/23/2010 09:46	1	TAL CT	GHP
A:8270C	220-14062-A-5-C		220-45500	220-45414	11/24/2010 17:31	1	TAL CT	SJ
P:3541	220-14062-B-5-A		460-57038	460-56994	11/29/2010 23:45	1	TAL EDI	KH
A:8081A	220-14062-B-5-A		460-57038	460-56994	11/30/2010 08:09	1	TAL EDI	FM
P:3550B	220-14062-A-5-A		220-45488	220-45368	11/22/2010 11:27	1	TAL CT	GHP
A:CT ETPH	220-14062-A-5-A		220-45488	220-45368	11/23/2010 22:00	1	TAL CT	JC
P:3050B	220-14062-A-5-B		220-45460	220-45387	11/22/2010 12:48	1	TAL CT	JFV
A:6020	220-14062-A-5-B		220-45460	220-45387	11/23/2010 17:08	1	TAL CT	NP
P:7471A	220-14062-A-5-D		220-45504	220-45442	11/23/2010 14:55	1	TAL CT	JFV
A:7471A	220-14062-A-5-D		220-45504	220-45442	11/24/2010 13:37	1	TAL CT	JFV
A:Moisture	220-14062-A-5		220-45351		11/22/2010 09:39	1	TAL CT	AB

Client: CHA Inc Job Number: 220-14062-1

Laboratory Chronicle

Lab ID: 220-14062-6 **Client ID: GP-6 (4-5)**

Sample Date/Time: 11/18/2010 13:55 Received Date/Time: 11/18/2010 16:55

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	220-14062-D-6-A		220-45444	220-45317	11/19/2010 13:54	1	TAL CT	DH
A:8260B	220-14062-D-6-A		220-45444	220-45317	11/19/2010 17:27	1	TAL CT	DH
P:3541	220-14062-A-6-C		220-45500	220-45414	11/23/2010 09:46	1	TAL CT	GHP
A:8270C	220-14062-A-6-C		220-45500	220-45414	11/24/2010 18:01	1	TAL CT	SJ
P:3541	220-14062-B-6-C		460-57038	460-56994	11/29/2010 23:45	1	TAL EDI	KH
A:8081A	220-14062-B-6-C		460-57038	460-56994	11/30/2010 08:22	1	TAL EDI	FM
P:3550B	220-14062-A-6-A		220-45488	220-45368	11/22/2010 11:27	1	TAL CT	GHP
A:CT ETPH	220-14062-A-6-A		220-45488	220-45368	11/23/2010 22:27	1	TAL CT	JC
P:3050B	220-14062-A-6-B		220-45460	220-45387	11/22/2010 12:48	1	TAL CT	JFV
A:6020	220-14062-A-6-B		220-45460	220-45387	11/23/2010 17:12	1	TAL CT	NP
P:7471A	220-14062-A-6-D		220-45504	220-45442	11/23/2010 14:55	1	TAL CT	JFV
A:7471A	220-14062-A-6-D		220-45504	220-45442	11/24/2010 13:38	1	TAL CT	JFV
A:Moisture	220-14062-A-6		220-45351		11/22/2010 09:39	1	TAL CT	AB

Lab ID: 220-14062-6 MS **Client ID: GP-6 (4-5)**

Sample Date/Time: 11/18/2010 13:55 Received Date/Time: 11/18/2010 16:55

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3541	220-14062-B-6-A MS		460-57038	460-56994	11/29/2010 23:45	1	TAL EDI	KH
A:8081A	220-14062-B-6-A MS		460-57038	460-56994	11/30/2010 09:04	1	TAL EDI	FM

Lab ID: 220-14062-6 MSD **Client ID: GP-6 (4-5)**

Sample Date/Time: 11/18/2010 13:55 Received Date/Time: 11/18/2010 16:55

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3541	220-14062-B-6-B MSD		460-57038	460-56994	11/29/2010 23:45	1	TAL EDI	KH
A:8081A	220-14062-B-6-B MSD		460-57038	460-56994	11/30/2010 09:18	1	TAL EDI	FM

Client: CHA Inc Job Number: 220-14062-1

Laboratory Chronicle

Lab ID: 220-14062-7 **Client ID: GP-7 (4-4.8)**

Sample Date/Time: 11/18/2010 14:30 Received Date/Time: 11/18/2010 16:55

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	220-14062-D-7-A		220-45444	220-45317	11/19/2010 13:54	1	TAL CT	DH
A:8260B	220-14062-D-7-A		220-45444	220-45317	11/19/2010 17:52	1	TAL CT	DH
P:3541	220-14062-A-7-C		220-45500	220-45414	11/23/2010 09:46	1	TAL CT	GHP
A:8270C	220-14062-A-7-C		220-45500	220-45414	11/24/2010 18:31	1	TAL CT	SJ
P:3541	220-14062-B-7-A		460-57038	460-56994	11/29/2010 23:45	1	TAL EDI	KH
A:8081A	220-14062-B-7-A		460-57038	460-56994	11/30/2010 08:36	1	TAL EDI	FM
P:3550B	220-14062-A-7-A		220-45488	220-45368	11/22/2010 11:27	1	TAL CT	GHP
A:CT ETPH	220-14062-A-7-A		220-45488	220-45368	11/23/2010 22:54	1	TAL CT	JC
P:3050B	220-14062-A-7-B		220-45460	220-45387	11/22/2010 12:48	1	TAL CT	JFV
A:6020	220-14062-A-7-B		220-45460	220-45387	11/23/2010 17:15	1	TAL CT	NP
P:7471A	220-14062-A-7-D		220-45504	220-45442	11/23/2010 14:55	1	TAL CT	JFV
A:7471A	220-14062-A-7-D		220-45504	220-45442	11/24/2010 13:42	1	TAL CT	JFV
A:Moisture	220-14062-A-7		220-45351		11/22/2010 09:39	1	TAL CT	AB

Lab ID: 220-14062-8 **Client ID: GP-8 (1-2)**

Sample Date/Time: 11/18/2010 15:10 Received Date/Time: 11/18/2010 16:55

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	220-14062-D-8-A		220-45444	220-45317	11/19/2010 13:54	1	TAL CT	DH
A:8260B	220-14062-D-8-A		220-45444	220-45317	11/19/2010 18:18	1	TAL CT	DH
P:3541	220-14062-A-8-C		220-45500	220-45414	11/23/2010 09:46	1	TAL CT	GHP
A:8270C	220-14062-A-8-C		220-45500	220-45414	11/24/2010 19:00	1	TAL CT	SJ
P:3541	220-14062-B-8-A		460-57038	460-56994	11/29/2010 23:45	1	TAL EDI	KH
A:8081A	220-14062-B-8-A		460-57038	460-56994	11/30/2010 08:50	1	TAL EDI	FM
P:3550B	220-14062-A-8-A		220-45488	220-45368	11/22/2010 11:27	1	TAL CT	GHP
A:CT ETPH	220-14062-A-8-A		220-45488	220-45368	11/23/2010 23:20	1	TAL CT	JC
P:3050B	220-14062-A-8-B		220-45460	220-45387	11/22/2010 12:48	1	TAL CT	JFV
A:6020	220-14062-A-8-B		220-45460	220-45387	11/23/2010 17:19	1	TAL CT	NP
P:7471A	220-14062-A-8-D		220-45504	220-45442	11/23/2010 14:55	1	TAL CT	JFV
A:7471A	220-14062-A-8-D		220-45504	220-45442	11/24/2010 13:42	1	TAL CT	JFV
A:Moisture	220-14062-A-8		220-45351		11/22/2010 09:39	1	TAL CT	AB

Lab ID: 220-14062-9 **Client ID: TRIP BLANK**

Sample Date/Time: 11/18/2010 00:00 Received Date/Time: 11/18/2010 16:55

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	220-14062-A-9		220-45463		11/22/2010 14:30	1	TAL CT	BK
A:8260B	220-14062-A-9		220-45463		11/22/2010 14:30	1	TAL CT	BK

Client: CHA Inc Job Number: 220-14062-1

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Lab ID: 220-14062-10 **Client ID: GP-3 (2-3)**

Sample Date/Time: 11/18/2010 11:40 Received Date/Time: 11/18/2010 16:55

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	220-14062-E-10-A		220-45551		11/24/2010 17:53	1	TAL CT	BK
A:8260B	220-14062-E-10-A		220-45551		11/24/2010 17:53	1	TAL CT	BK
P:3510C	220-14062-A-10-E		220-45545	220-45471	11/24/2010 09:06	1	TAL CT	TF
A:8270C	220-14062-A-10-E		220-45545	220-45471	11/29/2010 10:04	1	TAL CT	SJ
P:8151A	220-14062-A-10-M		460-57090	460-56999	11/29/2010 17:00	1	TAL EDI	JR
A:8151A	220-14062-A-10-M		460-57090	460-56999	11/30/2010 13:23	1	TAL EDI	SK
P:3010A	220-14062-A-10-F		220-45585	220-45475	11/24/2010 09:39	1	TAL CT	JFV
A:6010B	220-14062-A-10-F		220-45585	220-45475	11/29/2010 14:19	1	TAL CT	NP
P:7470A	220-14062-A-10-J		220-45597	220-45561	11/29/2010 11:35	1	TAL CT	JFV
A:7470A	220-14062-A-10-J		220-45597	220-45561	11/30/2010 11:52	1	TAL CT	JFV
A:1030	220-14062-A-10		460-56737		11/24/2010 11:44	1	TAL EDI	JC
P:7.3.3	220-14062-A-10-C		220-45455	220-45452	11/19/2010 16:20	1	TAL CT	RT
A:9012	220-14062-A-10-C		220-45455	220-45452	11/23/2010 15:57	1	TAL CT	RN
P:7.3.4	220-14062-A-10-G		220-45515	220-45514	11/19/2010 16:20	1	TAL CT	RT
A:9034	220-14062-A-10-G		220-45515	220-45514	11/24/2010 13:00	1	TAL CT	RN
A:9045C	220-14062-C-10		220-45339		11/20/2010 12:21	1	TAL CT	AHK

Lab ID: 220-14062-10 MS **Client ID: GP-3 (2-3)**

Sample Date/Time: 11/18/2010 11:40 Received Date/Time: 11/18/2010 16:55

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:8151A	220-14062-A-10-K MS		460-57090	460-56999	11/29/2010 17:00	1	TAL EDI	JR
A:8151A	220-14062-A-10-K MS		460-57090	460-56999	11/30/2010 13:40	1	TAL EDI	SK
P:7.3.4	220-14062-A-10-I MS		220-45515	220-45514	11/19/2010 16:20	1	TAL CT	RT
A:9034	220-14062-A-10-I MS		220-45515	220-45514	11/24/2010 13:00	1	TAL CT	RN

Lab ID: 220-14062-10 MSD **Client ID: GP-3 (2-3)**

Sample Date/Time: 11/18/2010 11:40 Received Date/Time: 11/18/2010 16:55

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:8151A	220-14062-A-10-L MSD		460-57090	460-56999	11/29/2010 17:00	1	TAL EDI	JR
A:8151A	220-14062-A-10-L MSD		460-57090	460-56999	11/30/2010 13:58	1	TAL EDI	SK

Client: CHA Inc Job Number: 220-14062-1

Laboratory Chronicle

Lab ID: 220-14062-10 DU **Client ID: GP-3 (2-3)**

Sample Date/Time: 11/18/2010 11:40 Received Date/Time: 11/18/2010 16:55

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:7.3.3	220-14062-A-10-D DU		220-45455	220-45452	11/19/2010 16:20	1	TAL CT	RT
A:9012	220-14062-A-10-D DU		220-45455	220-45452	11/23/2010 15:58	1	TAL CT	RN
P:7.3.4	220-14062-A-10-H DU		220-45515	220-45514	11/19/2010 16:20	1	TAL CT	RT
A:9034	220-14062-A-10-H DU		220-45515	220-45514	11/24/2010 13:00	1	TAL CT	RN
A:9045C	220-14062-C-10 DU		220-45339		11/20/2010 12:23	1	TAL CT	AHK

Lab ID: 220-14062-11 **Client ID: GP-2**

Sample Date/Time: 11/18/2010 15:35 Received Date/Time: 11/18/2010 16:55

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	220-14062-J-11		220-45463		11/22/2010 22:13	1	TAL CT	BK
A:8260B	220-14062-J-11		220-45463		11/22/2010 22:13	1	TAL CT	BK
P:5030B	220-14062-I-11	DL	220-45592		11/29/2010 15:09	4	TAL CT	BK
A:8260B	220-14062-I-11	DL	220-45592		11/29/2010 15:09	4	TAL CT	BK
P:3510C	220-14062-F-11-A		220-45473	220-45363	11/22/2010 10:55	1	TAL CT	TF
A:8270C	220-14062-F-11-A		220-45473	220-45363	11/23/2010 16:41	1	TAL CT	SJ
P:3510C	220-14062-B-11-A		220-45554	220-45458	11/23/2010 17:13	1	TAL CT	TF
A:8081A	220-14062-B-11-A		220-45554	220-45458	11/27/2010 20:03	1	TAL CT	TP
P:3510C	220-14062-A-11-A		220-45497	220-45472	11/24/2010 09:10	1	TAL CT	TF
A:CT ETPH	220-14062-A-11-A		220-45497	220-45472	11/24/2010 14:06	1	TAL CT	JC
P:3010A	220-14062-G-11-B		220-45460	220-45411	11/23/2010 09:30	1	TAL CT	MH
A:6020	220-14062-G-11-B		220-45460	220-45411	11/23/2010 16:23	1	TAL CT	NP
P:3010A	220-14062-G-11-B ^4		220-45460	220-45411	11/23/2010 09:30	4	TAL CT	MH
A:6020	220-14062-G-11-B ^4		220-45460	220-45411	11/23/2010 17:33	4	TAL CT	NP
P:7470A	220-14062-G-11-A		220-45429	220-45394	11/22/2010 14:03	1	TAL CT	JFV
A:7470A	220-14062-G-11-A		220-45429	220-45394	11/23/2010 12:02	1	TAL CT	JFV

Lab ID: 220-14062-12 **Client ID: TRIP BLANK**

Sample Date/Time: 11/18/2010 00:00 Received Date/Time: 11/18/2010 16:55

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	220-14062-A-12		220-45463		11/22/2010 14:58	1	TAL CT	BK
A:8260B	220-14062-A-12		220-45463		11/22/2010 14:58	1	TAL CT	BK

Client: CHA Inc

Job Number: 220-14062-1

Laboratory Chronicle

Lab ID: MB **Client ID: N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:8260B	MB 220-45444/4		220-45444		11/19/2010 14:01	1	TAL CT	DH
P:5030B	MB 220-45463/3		220-45463		11/22/2010 13:08	1	TAL CT	BK
A:8260B	MB 220-45463/3		220-45463		11/22/2010 13:08	1	TAL CT	BK
A:8260B	MB 220-45502/3		220-45502		11/22/2010 16:52	1	TAL CT	BK
A:8260B	MB 220-45506/3		220-45506		11/24/2010 11:18	1	TAL CT	BK
P:5030B	MB 220-45551/3		220-45551		11/24/2010 11:43	1	TAL CT	BK
A:8260B	MB 220-45551/3		220-45551		11/24/2010 11:43	1	TAL CT	BK
P:5030B	MB 220-45592/3		220-45592		11/29/2010 14:41	1	TAL CT	BK
A:8260B	MB 220-45592/3		220-45592		11/29/2010 14:41	1	TAL CT	BK
P:3510C	MB 220-45363/1-A		220-45473	220-45363	11/22/2010 10:55	1	TAL CT	TF
A:8270C	MB 220-45363/1-A		220-45473	220-45363	11/23/2010 12:43	1	TAL CT	SJ
P:3541	MB 220-45414/1-A		220-45500	220-45414	11/23/2010 09:46	1	TAL CT	GHP
A:8270C	MB 220-45414/1-A		220-45500	220-45414	11/24/2010 14:04	1	TAL CT	SJ
P:3510C	MB 220-45471/1-A		220-45545	220-45471	11/24/2010 09:06	1	TAL CT	TF
A:8270C	MB 220-45471/1-A		220-45545	220-45471	11/29/2010 08:06	1	TAL CT	SJ
P:3510C	MB 220-45458/1-A		220-45554	220-45458	11/23/2010 17:13	1	TAL CT	TF
A:8081A	MB 220-45458/1-A		220-45554	220-45458	11/27/2010 19:12	1	TAL CT	TP
P:3541	MB 460-56994/1-A		460-57038	460-56994	11/29/2010 23:45	1	TAL EDI	KH
A:8081A	MB 460-56994/1-A		460-57038	460-56994	11/30/2010 09:46	1	TAL EDI	FM
P:8151A	MB 460-56999/1-A		460-57090	460-56999	11/29/2010 17:00	1	TAL EDI	JR
A:8151A	MB 460-56999/1-A		460-57090	460-56999	11/30/2010 14:32	1	TAL EDI	SK
P:3550B	MB 220-45368/1-A		220-45488	220-45368	11/22/2010 11:27	1	TAL CT	GHP
A:CT ETPH	MB 220-45368/1-A		220-45488	220-45368	11/23/2010 19:20	1	TAL CT	JC
P:3510C	MB 220-45472/1-A		220-45497	220-45472	11/24/2010 09:10	1	TAL CT	TF
A:CT ETPH	MB 220-45472/1-A		220-45497	220-45472	11/24/2010 12:09	1	TAL CT	JC
P:3010A	MB 220-45475/1-A		220-45585	220-45475	11/24/2010 09:39	1	TAL CT	JFV
A:6010B	MB 220-45475/1-A		220-45585	220-45475	11/29/2010 13:46	1	TAL CT	NP
P:3050B	MB 220-45387/1-A		220-45460	220-45387	11/22/2010 12:48	1	TAL CT	JFV
A:6020	MB 220-45387/1-A		220-45460	220-45387	11/23/2010 13:04	1	TAL CT	NP
P:3010A	MB 220-45411/1-A		220-45460	220-45411	11/23/2010 09:30	1	TAL CT	MH
A:6020	MB 220-45411/1-A		220-45460	220-45411	11/23/2010 15:16	1	TAL CT	NP
P:7470A	MB 220-45394/1-A		220-45429	220-45394	11/22/2010 14:03	1	TAL CT	JFV
A:7470A	MB 220-45394/1-A		220-45429	220-45394	11/23/2010 11:36	1	TAL CT	JFV
P:7470A	MB 220-45561/1-A		220-45597	220-45561	11/29/2010 11:35	1	TAL CT	JFV
A:7470A	MB 220-45561/1-A		220-45597	220-45561	11/30/2010 11:49	1	TAL CT	JFV
P:7471A	MB 220-45442/1-A		220-45504	220-45442	11/23/2010 14:55	1	TAL CT	JFV
A:7471A	MB 220-45442/1-A		220-45504	220-45442	11/24/2010 13:28	1	TAL CT	JFV
P:7.3.3	MB 220-45452/1-A		220-45455	220-45452	11/19/2010 16:20	1	TAL CT	RT
A:9012	MB 220-45452/1-A		220-45455	220-45452	11/23/2010 15:53	1	TAL CT	RN
P:7.3.4	MB 220-45514/1-A		220-45515	220-45514	11/19/2010 16:20	1	TAL CT	RT
A:9034	MB 220-45514/1-A		220-45515	220-45514	11/24/2010 13:00	1	TAL CT	RN
A:9045C	MB 220-45339/1		220-45339		11/20/2010 12:20	1	TAL CT	AHK

Client: CHA Inc

Job Number: 220-14062-1

Laboratory Chronicle

Lab ID: LB **Client ID: N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	LB 220-45464/1-A		220-45551		11/24/2010 17:28	1	TAL CT	BK
A:8260B	LB 220-45464/1-A		220-45551		11/24/2010 17:28	1	TAL CT	BK
P:3510C	LB 220-45376/1-B		220-45545	220-45471	11/24/2010 09:06	1	TAL CT	TF
A:8270C	LB 220-45376/1-B		220-45545	220-45471	11/29/2010 09:05	1	TAL CT	SJ
P:8151A	LB 460-56479/1-J		460-57090	460-56999	11/29/2010 17:00	1	TAL EDI	JR
A:8151A	LB 460-56479/1-J		460-57090	460-56999	11/30/2010 14:50	1	TAL EDI	SK
P:3010A	LB 220-45376/2-B		220-45585	220-45475	11/24/2010 09:39	1	TAL CT	JFV
A:6010B	LB 220-45376/2-B		220-45585	220-45475	11/29/2010 14:15	1	TAL CT	NP
P:7470A	LB 220-45376/2-C		220-45597	220-45561	11/29/2010 11:35	1	TAL CT	JFV
A:7470A	LB 220-45376/2-C		220-45597	220-45561	11/30/2010 11:51	1	TAL CT	JFV

Client: CHA Inc Job Number: 220-14062-1

Laboratory Chronicle

Lab ID: LCS **Client ID: N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:8260B	LCS 220-45444/3		220-45444		11/19/2010 13:06	1	TAL CT	DH
P:5030B	LCS 220-45463/2		220-45463		11/22/2010 11:19	1	TAL CT	BK
A:8260B	LCS 220-45463/2		220-45463		11/22/2010 11:19	1	TAL CT	BK
A:8260B	LCS 220-45502/2		220-45502		11/22/2010 15:38	1	TAL CT	BK
P:5030B	LCS 220-45551/2		220-45551		11/24/2010 10:03	1	TAL CT	BK
A:8260B	LCS 220-45506/2		220-45506		11/24/2010 10:03	1	TAL CT	BK
A:8260B	LCS 220-45551/2		220-45551		11/24/2010 10:03	1	TAL CT	BK
P:5030B	LCS 220-45592/2		220-45592		11/29/2010 11:26	1	TAL CT	BK
A:8260B	LCS 220-45592/2		220-45592		11/29/2010 11:26	1	TAL CT	BK
P:3510C	LCS 220-45363/2-A		220-45473	220-45363	11/22/2010 10:55	1	TAL CT	TF
A:8270C	LCS 220-45363/2-A		220-45473	220-45363	11/23/2010 13:13	1	TAL CT	SJ
P:3541	LCS 220-45414/2-A		220-45500	220-45414	11/23/2010 09:46	1	TAL CT	GHP
A:8270C	LCS 220-45414/2-A		220-45500	220-45414	11/24/2010 14:33	1	TAL CT	SJ
P:3510C	LCS 220-45471/4-A		220-45545	220-45471	11/24/2010 09:06	1	TAL CT	TF
A:8270C	LCS 220-45471/4-A		220-45545	220-45471	11/29/2010 09:35	1	TAL CT	SJ
P:3510C	LCS 220-45458/2-A		220-45554	220-45458	11/23/2010 17:13	1	TAL CT	TF
A:8081A	LCS 220-45458/2-A		220-45554	220-45458	11/27/2010 19:37	1	TAL CT	TP
P:3541	LCS 460-56994/2-A		460-57038	460-56994	11/29/2010 23:45	1	TAL EDI	KH
A:8081A	LCS 460-56994/2-A		460-57038	460-56994	11/30/2010 09:32	1	TAL EDI	FM
P:8151A	LCS 460-56999/2-A		460-57090	460-56999	11/29/2010 17:00	1	TAL EDI	JR
A:8151A	LCS 460-56999/2-A		460-57090	460-56999	11/30/2010 14:15	1	TAL EDI	SK
P:3550B	LCS 220-45368/2-A		220-45488	220-45368	11/22/2010 11:27	1	TAL CT	GHP
A:CT ETPH	LCS 220-45368/2-A		220-45488	220-45368	11/23/2010 19:47	1	TAL CT	JC
P:3010A	LCS 220-45475/2-A		220-45585	220-45475	11/24/2010 09:39	1	TAL CT	JFV
A:6010B	LCS 220-45475/2-A		220-45585	220-45475	11/29/2010 13:49	1	TAL CT	NP
P:3050B	LCS 220-45387/2-A		220-45460	220-45387	11/22/2010 12:48	1	TAL CT	JFV
A:6020	LCS 220-45387/2-A		220-45460	220-45387	11/23/2010 13:15	1	TAL CT	NP
P:3010A	LCS 220-45411/2-A		220-45460	220-45411	11/23/2010 09:30	1	TAL CT	MH
A:6020	LCS 220-45411/2-A		220-45460	220-45411	11/23/2010 15:48	1	TAL CT	NP
P:7470A	LCS 220-45394/2-A		220-45429	220-45394	11/22/2010 14:03	1	TAL CT	JFV
A:7470A	LCS 220-45394/2-A		220-45429	220-45394	11/23/2010 11:37	1	TAL CT	JFV
P:7470A	LCS 220-45561/2-A		220-45597	220-45561	11/29/2010 11:35	1	TAL CT	JFV
A:7470A	LCS 220-45561/2-A		220-45597	220-45561	11/30/2010 11:50	1	TAL CT	JFV
P:7471A	LCS 220-45442/2-A		220-45504	220-45442	11/23/2010 14:55	1	TAL CT	JFV
A:7471A	LCS 220-45442/2-A		220-45504	220-45442	11/24/2010 13:29	1	TAL CT	JFV

Lab ID: MSB **Client ID: N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:7.3.4	MSB 220-45514/2-A		220-45515	220-45514	11/19/2010 16:20	1	TAL CT	RT
A:9034	MSB 220-45514/2-A		220-45515	220-45514	11/24/2010 13:00	1	TAL CT	RN

Client: CHA Inc

Job Number: 220-14062-1

Laboratory Chronicle

Lab References:
TAL CT = TestAmerica Connecticut
TAL EDI = TestAmerica Edison

METHOD SUMMARY

Client: CHA Inc

Job Number: 220-14062-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds (GC/MS)	TAL CT	SW846 8260B	
TCLP Extraction	TAL CT		SW846 1311
Purge and Trap	TAL CT		SW846 5030B
Closed System Purge and Trap	TAL CT		SW846 5035
Semivolatile Compounds (GC/MS)	TAL CT	SW846 8270C	
TCLP Extraction	TAL CT		SW846 1311
Automated Soxhlet Extraction	TAL CT		SW846 3541
Liquid-Liquid Extraction (Separatory Funnel)	TAL CT		SW846 3510C
Organochlorine Pesticides (GC)	TAL EDI	SW846 8081A	
Automated Soxhlet Extraction	TAL EDI		SW846 3541
Herbicides (GC)	TAL EDI	SW846 8151A	
TCLP Extraction	TAL EDI		SW846 1311
Extraction (Herbicides)	TAL EDI		SW846 8151A
CT Extractable Total Petroleum Hydrocarbons	TAL CT	STATE CT ETPH	
Ultrasonic Extraction	TAL CT		SW846 3550B
Metals (ICP)	TAL CT	SW846 6010B	
TCLP Extraction	TAL CT		SW846 1311
Preparation, Total Metals	TAL CT		SW846 3010A
Metals (ICP/MS)	TAL CT	SW846 6020	
Preparation, Metals	TAL CT		SW846 3050B
Mercury (CVAA)	TAL CT	SW846 7470A	
TCLP Extraction	TAL CT		SW846 1311
Preparation, Mercury	TAL CT		SW846 7470A
Mercury (CVAA)	TAL CT	SW846 7471A	
Preparation, Mercury	TAL CT		SW846 7471A
Ignitability, Solids	TAL EDI	SW846 1030	
Cyanide, Reactive	TAL CT	SW846 9012	
Cyanide, Reactive	TAL CT		SW846 7.3.3
Sulfide, Reactive	TAL CT	SW846 9034	
Sulfide, Reactive	TAL CT		SW846 7.3.4
pH	TAL CT	SW846 9045C	
Percent Moisture	TAL CT	EPA Moisture	
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL CT	SW846 8260B	
Purge and Trap	TAL CT		SW846 5030B
Semivolatile Compounds (GC/MS)	TAL CT	SW846 8270C	
Liquid-Liquid Extraction (Separatory Funnel)	TAL CT		SW846 3510C
Organochlorine Pesticides (GC)	TAL CT	SW846 8081A	
Liquid-Liquid Extraction (Separatory Funnel)	TAL CT		SW846 3510C
Connecticut - Extractable Total petroleum Hydrocarbons (GC)	TAL CT	STATE CT ETPH	

METHOD SUMMARY

Client: CHA Inc Job Number: 220-14062-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Liquid-Liquid Extraction (Separatory Funnel)	TAL CT		SW846 3510C
Metals (ICP/MS)	TAL CT	SW846 6020	
Preparation, Total Metals	TAL CT		SW846 3010A
Mercury (CVAA)	TAL CT	SW846 7470A	
Preparation, Mercury	TAL CT		SW846 7470A

Lab References:

TAL CT = TestAmerica Connecticut

TAL EDI = TestAmerica Edison

Method References:

EPA = US Environmental Protection Agency

STATE = State of Connecticut Department of Public Health

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

METHOD / ANALYST SUMMARY

Client: CHA Inc

Job Number: 220-14062-1

Method	Analyst	Analyst ID
SW846 8260B	Humbert, Dave	DH
SW846 8260B	Kostrzewska, Barbara	BK
SW846 8270C	Jonas, Stephan	SJ
SW846 8081A	Manlangit, Ferdie	FM
SW846 8081A	Puccino, Tracy	TP
SW846 8151A	Kapoor, Sita	SK
STATE CT ETPH	Capece, Jennifer	JC
SW846 6010B	Petronchak, Nestor	NP
SW846 6020	Petronchak, Nestor	NP
SW846 7470A	Voytek, Joseph F	JFV
SW846 7471A	Voytek, Joseph F	JFV
SW846 1030	Carlone, John	JC
SW846 9012	Natoli, Richard A	RN
SW846 9034	Natoli, Richard A	RN
SW846 9045C	Keene, Angela H	AHK
EPA Moisture	Bouthot, Agnieszka	AB

SAMPLE SUMMARY

Client: CHA Inc

Job Number: 220-14062-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
220-14062-1	GP-1 (4-4.8)	Solid	11/18/2010 0950	11/18/2010 1655
220-14062-2	GP-2 (4.4-5)	Solid	11/18/2010 1035	11/18/2010 1655
220-14062-3	GP-3 (2-2.7)	Solid	11/18/2010 1130	11/18/2010 1655
220-14062-4	GP-4 (8-9.2)	Solid	11/18/2010 1225	11/18/2010 1655
220-14062-5	GP-5 (1-1.5)	Solid	11/18/2010 1340	11/18/2010 1655
220-14062-6	GP-6 (4-5)	Solid	11/18/2010 1355	11/18/2010 1655
220-14062-7	GP-7 (4-4.8)	Solid	11/18/2010 1430	11/18/2010 1655
220-14062-8	GP-8 (1-2)	Solid	11/18/2010 1510	11/18/2010 1655
220-14062-9TB	TRIP BLANK	Water	11/18/2010 0000	11/18/2010 1655
220-14062-10	GP-3 (2-3)	Solid	11/18/2010 1140	11/18/2010 1655
220-14062-11	GP-2	Water	11/18/2010 1535	11/18/2010 1655
220-14062-12TB	TRIP BLANK	Water	11/18/2010 0000	11/18/2010 1655

SAMPLE RESULTS

Client: CHA Inc | Job Number: 220-14062-1

Client Sample ID: GP-1 (4-4.8)

Lab Sample ID: 220-14062-1 | Date Sampled: 11/18/2010 0950
Client Matrix: Solid | % Moisture: 17.4 | Date Received: 11/18/2010 1655

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-45444		Instrument ID:	MSO
Preparation:	5035	Prep Batch: 220-45317		Lab File ID:	O1220.D
Dilution:	1.0			Initial Weight/Volume:	5.95 g
Date Analyzed:	11/19/2010 1520			Final Weight/Volume:	5 mL
Date Prepared:	11/19/2010 1354				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acetone		20	U	2.3	20
Acrylonitrile		5.1	U	1.4	5.1
Benzene		5.1	U	0.58	5.1
Bromobenzene		5.1	U	0.54	5.1
n-Butylbenzene		5.1	U	1.1	5.1
sec-Butylbenzene		5.1	U	0.54	5.1
tert-Butylbenzene		5.1	U	0.29	5.1
Dichlorobromomethane		5.1	U	0.31	5.1
Bromoform		5.1	U	0.62	5.1
Bromomethane		5.1	U	2.1	5.1
2-Butanone (MEK)		10	U	1.6	10
Chlorobenzene		5.1	U	0.60	5.1
Carbon disulfide		5.1	U	0.42	5.1
Carbon tetrachloride		5.1	U	0.97	5.1
Chloroethane		5.1	U	1.0	5.1
Chloroform		5.1	U	0.35	5.1
Chloromethane		5.1	U	0.79	5.1
2-Chlorotoluene		5.1	U	0.65	5.1
4-Chlorotoluene		5.1	U	0.64	5.1
Chlorodibromomethane		5.1	U	0.36	5.1
1,2-Dibromo-3-Chloropropane		10	U	4.6	10
Ethylene Dibromide		5.1	U	0.77	5.1
Dibromomethane		5.1	U	0.65	5.1
1,2-Dichlorobenzene		5.1	U	0.24	5.1
1,3-Dichlorobenzene		5.1	U	0.21	5.1
1,4-Dichlorobenzene		5.1	U	0.68	5.1
trans-1,4-Dichloro-2-butene		10	U	1.1	10
Dichlorodifluoromethane		5.1	U	0.36	5.1
1,1-Dichloroethane		5.1	U	0.31	5.1
1,2-Dichloroethane		5.1	U	0.59	5.1
1,1-Dichloroethene		5.1	U	0.59	5.1
cis-1,2-Dichloroethene		5.1	U	0.38	5.1
trans-1,2-Dichloroethene		5.1	U	0.40	5.1
1,2-Dichloropropane		5.1	U	0.68	5.1
1,3-Dichloropropane		5.1	U	0.69	5.1
2,2-Dichloropropane		5.1	U	0.70	5.1
1,1-Dichloropropene		25	U	0.58	25
cis-1,3-Dichloropropene		5.1	U	0.57	5.1
trans-1,3-Dichloropropene		5.1	U	0.27	5.1
Ethylbenzene		5.1	U	0.71	5.1
Hexachlorobutadiene		5.1	U	0.63	5.1
2-Hexanone		10	U	1.2	10
Isopropylbenzene		5.1	U	0.19	5.1
4-Isopropyltoluene		5.1	U	0.54	5.1
Methylene Chloride		20	U	1.1	20
4-Methyl-2-pentanone (MIBK)		5.1	U	0.56	5.1

Client: CHA Inc

Job Number: 220-14062-1

Client Sample ID: GP-1 (4-4.8)

Lab Sample ID: 220-14062-1
Client Matrix: Solid
% Moisture: 17.4

Date Sampled: 11/18/2010 0950
Date Received: 11/18/2010 1655

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-45444	Instrument ID: MSO
Preparation:	5035	Prep Batch: 220-45317	Lab File ID: O1220.D
Dilution:	1.0		Initial Weight/Volume: 5.95 g
Date Analyzed:	11/19/2010 1520		Final Weight/Volume: 5 mL
Date Prepared:	11/19/2010 1354		

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Methyl tert-butyl ether		5.1	U	0.21	5.1
Naphthalene		970	E	0.29	5.1
N-Propylbenzene		5.1	U	0.62	5.1
Styrene		5.1	U	0.15	5.1
1,1,1,2-Tetrachloroethane		5.1	U	0.53	5.1
1,1,2,2-Tetrachloroethane		5.1	U	0.53	5.1
Toluene		5.1	U	0.075	5.1
Tetrachloroethene		5.1	U	0.82	5.1
Tetrahydrofuran		20	U	6.3	20
1,2,3-Trichlorobenzene		5.1	U	0.63	5.1
1,2,4-Trichlorobenzene		5.1	U	0.76	5.1
1,1,1-Trichloroethane		5.1	U	0.54	5.1
1,1,2-Trichloroethane		5.1	U	0.38	5.1
Trichloroethene		5.1	U	0.82	5.1
Trichlorofluoromethane		5.1	U	0.15	5.1
1,2,3-Trichloropropane		5.1	U	0.94	5.1
1,1,2-Trichloro-1,2,2-trifluoroethane		5.1	U	0.80	5.1
1,2,4-Trimethylbenzene		8.4		0.77	5.1
1,3,5-Trimethylbenzene		5.1	U	0.51	5.1
Vinyl chloride		5.1	U	0.23	5.1
m-Xylene & p-Xylene		5.1	U	0.36	5.1
o-Xylene		5.1	U	0.19	5.1
Xylenes, Total		5.1	U	0.49	5.1

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	107		70 - 130
4-Bromofluorobenzene	94		70 - 130
Dibromofluoromethane	104		70 - 130
Toluene-d8 (Surr)	98		70 - 130

Client: CHA Inc | Job Number: 220-14062-1

Client Sample ID: **GP-1 (4-4.8)**

Lab Sample ID: 220-14062-1 | Date Sampled: 11/18/2010 0950
Client Matrix: Solid | % Moisture: 17.4 | Date Received: 11/18/2010 1655

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-45502		Instrument ID:	MSW
Preparation:	5035	Prep Batch: 220-45329		Lab File ID:	W7187.D
Dilution:	1.0			Initial Weight/Volume:	5.94 g
Date Analyzed:	11/22/2010 2327	Run Type: DL		Final Weight/Volume:	6.03356 mL
Date Prepared:	11/19/2010 1553				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acetone		150	U *	30	150
Acrylonitrile		150	U	29	150
Benzene		15	U	3.1	15
Bromobenzene		61	U	2.5	61
n-Butylbenzene		31	U	4.3	31
sec-Butylbenzene		31	U	1.8	31
tert-Butylbenzene		31	U	3.7	31
Dichlorobromomethane		31	U	12	31
Bromoform		31	U	3.7	31
Bromomethane		92	U	25	92
2-Butanone (MEK)		61	U	19	61
Chlorobenzene		31	U	2.5	31
Carbon disulfide		31	U	3.1	31
Carbon tetrachloride		31	U	3.1	31
Chloroethane		92	U	23	92
Chloroform		31	U	6.8	31
Chloromethane		31	U	9.8	31
2-Chlorotoluene		31	U	4.9	31
4-Chlorotoluene		31	U	4.3	31
Chlorodibromomethane		31	U	2.5	31
1,2-Dibromo-3-Chloropropane		31	U	9.8	31
Ethylene Dibromide		31	U	1.2	31
Dibromomethane		31	U	6.1	31
1,2-Dichlorobenzene		31	U	4.9	31
1,3-Dichlorobenzene		31	U	3.7	31
1,4-Dichlorobenzene		31	U	3.1	31
trans-1,4-Dichloro-2-butene		61	U	20	61
Dichlorodifluoromethane		31	U	8.6	31
1,1-Dichloroethane		31	U	3.7	31
1,2-Dichloroethane		31	U	3.1	31
1,1-Dichloroethene		31	U	3.1	31
cis-1,2-Dichloroethene		31	U	8.0	31
trans-1,2-Dichloroethene		61	U	5.5	61
1,2-Dichloropropane		31	U	1.2	31
1,3-Dichloropropane		31	U	3.1	31
2,2-Dichloropropane		31	U	2.5	31
1,1-Dichloropropene		61	U	5.5	61
cis-1,3-Dichloropropene		31	U	3.7	31
trans-1,3-Dichloropropene		31	U	2.5	31
Ethylbenzene		31	U	6.1	31
Hexachlorobutadiene		31	U	4.9	31
2-Hexanone		61	U	20	61
Isopropylbenzene		31	U	2.5	31
4-Isopropyltoluene		31	U	1.8	31
Methylene Chloride		150	U	17	150
4-Methyl-2-pentanone (MIBK)		61	U	9.2	61

Client: CHA Inc

Job Number: 220-14062-1

Client Sample ID: GP-1 (4-4.8)

Lab Sample ID: 220-14062-1
Client Matrix: Solid
% Moisture: 17.4
Date Sampled: 11/18/2010 0950
Date Received: 11/18/2010 1655

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-45502		Instrument ID:	MSW
Preparation:	5035	Prep Batch: 220-45329		Lab File ID:	W7187.D
Dilution:	1.0			Initial Weight/Volume:	5.94 g
Date Analyzed:	11/22/2010 2327	Run Type: DL		Final Weight/Volume:	6.03356 mL
Date Prepared:	11/19/2010 1553				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Methyl tert-butyl ether		31	U	3.1	31
Naphthalene		1400		1.2	31
N-Propylbenzene		31	U	3.7	31
Styrene		31	U	2.5	31
1,1,1,2-Tetrachloroethane		31	U	4.3	31
1,1,2,2-Tetrachloroethane		31	U	4.3	31
Toluene		31	U	3.7	31
Tetrachloroethene		31	U	3.1	31
Tetrahydrofuran		92	U	18	92
1,2,3-Trichlorobenzene		31	U	1.8	31
1,2,4-Trichlorobenzene		31	U	3.7	31
1,1,1-Trichloroethane		31	U	8.0	31
1,1,2-Trichloroethane		31	U	12	31
Trichloroethene		31	U	3.1	31
Trichlorofluoromethane		31	U	3.7	31
1,2,3-Trichloropropane		61	U	1.2	61
1,1,2-Trichloro-1,2,2-trifluoroethane		61	U	2.5	61
1,2,4-Trimethylbenzene		31	U	2.5	31
1,3,5-Trimethylbenzene		37		3.1	31
Vinyl chloride		31	U	5.5	31
m-Xylene & p-Xylene		31	U	4.9	31
o-Xylene		31	U	4.9	31
Xylenes, Total		61	U	4.9	61

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	78		70 - 130
4-Bromofluorobenzene	86		70 - 130
Dibromofluoromethane	78		70 - 130
Toluene-d8 (Surr)	89		70 - 130

Client: CHA Inc | Job Number: 220-14062-1

Client Sample ID: GP-2 (4.4-5)

Lab Sample ID: 220-14062-2 | Date Sampled: 11/18/2010 1035
Client Matrix: Solid | % Moisture: 30.3 | Date Received: 11/18/2010 1655

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-45506		Instrument ID:	MSW
Preparation:	5035	Prep Batch: 220-45329		Lab File ID:	W7261.D
Dilution:	1.0			Initial Weight/Volume:	4.59 g
Date Analyzed:	11/24/2010 1208			Final Weight/Volume:	6.39077 mL
Date Prepared:	11/19/2010 1553				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acetone		250	U *	49	250
Acrylonitrile		250	U	47	250
Benzene		25	U	5.0	25
Bromobenzene		100	U	4.0	100
n-Butylbenzene		50	U	7.0	50
sec-Butylbenzene		50	U	3.0	50
tert-Butylbenzene		50	U	6.0	50
Dichlorobromomethane		50	U	20	50
Bromoform		50	U	6.0	50
Bromomethane		150	U	41	150
2-Butanone (MEK)		100	U	31	100
Chlorobenzene		50	U	4.0	50
Carbon disulfide		50	U	5.0	50
Carbon tetrachloride		50	U	5.0	50
Chloroethane		150	U	38	150
Chloroform		50	U	11	50
Chloromethane		50	U	16	50
2-Chlorotoluene		50	U	8.0	50
4-Chlorotoluene		50	U	7.0	50
Chlorodibromomethane		50	U	4.0	50
1,2-Dibromo-3-Chloropropane		50	U	16	50
Ethylene Dibromide		50	U	2.0	50
Dibromomethane		50	U	10	50
1,2-Dichlorobenzene		50	U	8.0	50
1,3-Dichlorobenzene		50	U	6.0	50
1,4-Dichlorobenzene		50	U	5.0	50
trans-1,4-Dichloro-2-butene		100	U	32	100
Dichlorodifluoromethane		50	U *	14	50
1,1-Dichloroethane		50	U	6.0	50
1,2-Dichloroethane		50	U	5.0	50
1,1-Dichloroethene		50	U	5.0	50
cis-1,2-Dichloroethene		50	U	13	50
trans-1,2-Dichloroethene		100	U	9.0	100
1,2-Dichloropropane		50	U	2.0	50
1,3-Dichloropropane		50	U	5.0	50
2,2-Dichloropropane		50	U	4.0	50
1,1-Dichloropropene		100	U	9.0	100
cis-1,3-Dichloropropene		50	U	6.0	50
trans-1,3-Dichloropropene		50	U	4.0	50
Ethylbenzene		50	U	10	50
Hexachlorobutadiene		50	U	8.0	50
2-Hexanone		100	U	32	100
Isopropylbenzene		50	U	4.0	50
4-Isopropyltoluene		50	U	3.0	50
Methylene Chloride		250	U	28	250
4-Methyl-2-pentanone (MIBK)		100	U	15	100

Client: CHA Inc | Job Number: 220-14062-1

Client Sample ID: **GP-2 (4.4-5)**

Lab Sample ID: 220-14062-2 | Date Sampled: 11/18/2010 1035
Client Matrix: Solid | % Moisture: 30.3 | Date Received: 11/18/2010 1655

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-45506		Instrument ID:	MSW
Preparation:	5035	Prep Batch: 220-45329		Lab File ID:	W7261.D
Dilution:	1.0			Initial Weight/Volume:	4.59 g
Date Analyzed:	11/24/2010 1208			Final Weight/Volume:	6.39077 mL
Date Prepared:	11/19/2010 1553				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Methyl tert-butyl ether		50	U	5.0	50
Naphthalene		1500	B	2.0	50
N-Propylbenzene		50	U	6.0	50
Styrene		50	U	4.0	50
1,1,1,2-Tetrachloroethane		50	U	7.0	50
1,1,2,2-Tetrachloroethane		50	U	7.0	50
Toluene		50	U	6.0	50
Tetrachloroethene		50	U	5.0	50
Tetrahydrofuran		150	U	29	150
1,2,3-Trichlorobenzene		50	U	3.0	50
1,2,4-Trichlorobenzene		50	U	6.0	50
1,1,1-Trichloroethane		50	U	13	50
1,1,2-Trichloroethane		50	U	20	50
Trichloroethene		50	U	5.0	50
Trichlorofluoromethane		50	U	6.0	50
1,2,3-Trichloropropane		100	U	2.0	100
1,1,2-Trichloro-1,2,2-trifluoroethane		100	U	4.0	100
1,2,4-Trimethylbenzene		50	U	4.0	50
1,3,5-Trimethylbenzene		57		5.0	50
Vinyl chloride		50	U	9.0	50
m-Xylene & p-Xylene		50	U	8.0	50
o-Xylene		50	U	8.0	50
Xylenes, Total		100	U	8.0	100

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	91		70 - 130
4-Bromofluorobenzene	89		70 - 130
Dibromofluoromethane	88		70 - 130
Toluene-d8 (Surr)	91		70 - 130

Client: CHA Inc | Job Number: 220-14062-1

Client Sample ID: **GP-3 (2-2.7)**

Lab Sample ID: 220-14062-3 | Date Sampled: 11/18/2010 1130
Client Matrix: Solid | % Moisture: 13.6 | Date Received: 11/18/2010 1655

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-45444		Instrument ID:	MSO
Preparation:	5035	Prep Batch: 220-45317		Lab File ID:	O1222.D
Dilution:	1.0			Initial Weight/Volume:	6.04 g
Date Analyzed:	11/19/2010 1611			Final Weight/Volume:	5 mL
Date Prepared:	11/19/2010 1354				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acetone		19	U	2.1	19
Acrylonitrile		4.8	U	1.4	4.8
Benzene		4.8	U	0.55	4.8
Bromobenzene		4.8	U	0.51	4.8
n-Butylbenzene		4.8	U	1.1	4.8
sec-Butylbenzene		4.8	U	0.51	4.8
tert-Butylbenzene		4.8	U	0.28	4.8
Dichlorobromomethane		4.8	U	0.29	4.8
Bromoform		4.8	U	0.58	4.8
Bromomethane		4.8	U	2.0	4.8
2-Butanone (MEK)		9.6	U	1.5	9.6
Chlorobenzene		4.8	U	0.57	4.8
Carbon disulfide		4.8	U	0.39	4.8
Carbon tetrachloride		4.8	U	0.91	4.8
Chloroethane		4.8	U	0.94	4.8
Chloroform		4.8	U	0.33	4.8
Chloromethane		4.8	U	0.75	4.8
2-Chlorotoluene		4.8	U	0.61	4.8
4-Chlorotoluene		4.8	U	0.60	4.8
Chlorodibromomethane		4.8	U	0.34	4.8
1,2-Dibromo-3-Chloropropane		9.6	U	4.3	9.6
Ethylene Dibromide		4.8	U	0.73	4.8
Dibromomethane		4.8	U	0.61	4.8
1,2-Dichlorobenzene		4.8	U	0.23	4.8
1,3-Dichlorobenzene		4.8	U	0.20	4.8
1,4-Dichlorobenzene		4.8	U	0.64	4.8
trans-1,4-Dichloro-2-butene		9.6	U	1.1	9.6
Dichlorodifluoromethane		4.8	U	0.34	4.8
1,1-Dichloroethane		4.8	U	0.29	4.8
1,2-Dichloroethane		4.8	U	0.56	4.8
1,1-Dichloroethene		4.8	U	0.56	4.8
cis-1,2-Dichloroethene		4.8	U	0.35	4.8
trans-1,2-Dichloroethene		4.8	U	0.37	4.8
1,2-Dichloropropane		4.8	U	0.64	4.8
1,3-Dichloropropane		4.8	U	0.65	4.8
2,2-Dichloropropane		4.8	U	0.66	4.8
1,1-Dichloropropene		24	U	0.55	24
cis-1,3-Dichloropropene		4.8	U	0.54	4.8
trans-1,3-Dichloropropene		4.8	U	0.26	4.8
Ethylbenzene		4.8	U	0.67	4.8
Hexachlorobutadiene		4.8	U	0.59	4.8
2-Hexanone		9.6	U	1.1	9.6
Isopropylbenzene		4.8	U	0.18	4.8
4-Isopropyltoluene		4.8	U	0.51	4.8
Methylene Chloride		19	U	1.0	19
4-Methyl-2-pentanone (MIBK)		4.8	U	0.53	4.8

Client: CHA Inc

Job Number: 220-14062-1

Client Sample ID: GP-3 (2-2.7)

Lab Sample ID: 220-14062-3
Client Matrix: Solid
% Moisture: 13.6

Date Sampled: 11/18/2010 1130
Date Received: 11/18/2010 1655

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-45444	Instrument ID: MSO
Preparation:	5035	Prep Batch: 220-45317	Lab File ID: O1222.D
Dilution:	1.0		Initial Weight/Volume: 6.04 g
Date Analyzed:	11/19/2010 1611		Final Weight/Volume: 5 mL
Date Prepared:	11/19/2010 1354		

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Methyl tert-butyl ether		4.8	U	0.20	4.8
Naphthalene		4.8	U	0.28	4.8
N-Propylbenzene		4.8	U	0.58	4.8
Styrene		4.8	U	0.14	4.8
1,1,1,2-Tetrachloroethane		4.8	U	0.50	4.8
1,1,2,2-Tetrachloroethane		4.8	U	0.50	4.8
Toluene		4.8	U	0.071	4.8
Tetrachloroethene		4.8	U	0.78	4.8
Tetrahydrofuran		19	U	5.9	19
1,2,3-Trichlorobenzene		4.8	U	0.59	4.8
1,2,4-Trichlorobenzene		4.8	U	0.72	4.8
1,1,1-Trichloroethane		4.8	U	0.51	4.8
1,1,2-Trichloroethane		4.8	U	0.35	4.8
Trichloroethene		4.8	U	0.78	4.8
Trichlorofluoromethane		4.8	U	0.14	4.8
1,2,3-Trichloropropane		4.8	U	0.88	4.8
1,1,2-Trichloro-1,2,2-trifluoroethane		4.8	U	0.76	4.8
1,2,4-Trimethylbenzene		4.8	U	0.73	4.8
1,3,5-Trimethylbenzene		4.8	U	0.48	4.8
Vinyl chloride		4.8	U	0.22	4.8
m-Xylene & p-Xylene		4.8	U	0.34	4.8
o-Xylene		4.8	U	0.18	4.8
Xylenes, Total		4.8	U	0.47	4.8

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	108		70 - 130
4-Bromofluorobenzene	91		70 - 130
Dibromofluoromethane	101		70 - 130
Toluene-d8 (Surr)	94		70 - 130

Client: CHA Inc | Job Number: 220-14062-1

Client Sample ID: **GP-4 (8-9.2)**

Lab Sample ID: 220-14062-4 | Date Sampled: 11/18/2010 1225
Client Matrix: Solid | % Moisture: 12.7 | Date Received: 11/18/2010 1655

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-45444		Instrument ID:	MSO
Preparation:	5035	Prep Batch: 220-45317		Lab File ID:	O1223.D
Dilution:	1.0			Initial Weight/Volume:	5.62 g
Date Analyzed:	11/19/2010 1636			Final Weight/Volume:	5 mL
Date Prepared:	11/19/2010 1354				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acetone		20	U	2.3	20
Acrylonitrile		5.1	U	1.4	5.1
Benzene		5.1	U	0.58	5.1
Bromobenzene		5.1	U	0.54	5.1
n-Butylbenzene		5.1	U	1.2	5.1
sec-Butylbenzene		5.1	U	0.54	5.1
tert-Butylbenzene		5.1	U	0.30	5.1
Dichlorobromomethane		5.1	U	0.31	5.1
Bromoform		5.1	U	0.62	5.1
Bromomethane		5.1	U	2.1	5.1
2-Butanone (MEK)		10	U	1.6	10
Chlorobenzene		5.1	U	0.60	5.1
Carbon disulfide		5.1	U	0.42	5.1
Carbon tetrachloride		5.1	U	0.97	5.1
Chloroethane		5.1	U	1.0	5.1
Chloroform		5.1	U	0.35	5.1
Chloromethane		5.1	U	0.79	5.1
2-Chlorotoluene		5.1	U	0.65	5.1
4-Chlorotoluene		5.1	U	0.64	5.1
Chlorodibromomethane		5.1	U	0.36	5.1
1,2-Dibromo-3-Chloropropane		10	U	4.6	10
Ethylene Dibromide		5.1	U	0.77	5.1
Dibromomethane		5.1	U	0.65	5.1
1,2-Dichlorobenzene		5.1	U	0.24	5.1
1,3-Dichlorobenzene		5.1	U	0.21	5.1
1,4-Dichlorobenzene		5.1	U	0.68	5.1
trans-1,4-Dichloro-2-butene		10	U	1.1	10
Dichlorodifluoromethane		5.1	U	0.36	5.1
1,1-Dichloroethane		5.1	U	0.31	5.1
1,2-Dichloroethane		5.1	U	0.59	5.1
1,1-Dichloroethene		5.1	U	0.59	5.1
cis-1,2-Dichloroethene		5.1	U	0.38	5.1
trans-1,2-Dichloroethene		5.1	U	0.40	5.1
1,2-Dichloropropane		5.1	U	0.68	5.1
1,3-Dichloropropane		5.1	U	0.69	5.1
2,2-Dichloropropane		5.1	U	0.70	5.1
1,1-Dichloropropene		25	U	0.58	25
cis-1,3-Dichloropropene		5.1	U	0.57	5.1
trans-1,3-Dichloropropene		5.1	U	0.28	5.1
Ethylbenzene		5.1	U	0.71	5.1
Hexachlorobutadiene		5.1	U	0.63	5.1
2-Hexanone		10	U	1.2	10
Isopropylbenzene		5.1	U	0.19	5.1
4-Isopropyltoluene		5.1	U	0.54	5.1
Methylene Chloride		20	U	1.1	20
4-Methyl-2-pentanone (MIBK)		5.1	U	0.56	5.1

Client: CHA Inc

Job Number: 220-14062-1

Client Sample ID: GP-4 (8-9.2)

Lab Sample ID: 220-14062-4
Client Matrix: Solid

% Moisture: 12.7

Date Sampled: 11/18/2010 1225
Date Received: 11/18/2010 1655

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-45444	Instrument ID: MSO
Preparation:	5035	Prep Batch: 220-45317	Lab File ID: O1223.D
Dilution:	1.0		Initial Weight/Volume: 5.62 g
Date Analyzed:	11/19/2010 1636		Final Weight/Volume: 5 mL
Date Prepared:	11/19/2010 1354		

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Methyl tert-butyl ether		5.1	U	0.21	5.1
Naphthalene		1800	E	0.30	5.1
N-Propylbenzene		5.1	U	0.62	5.1
Styrene		10		0.15	5.1
1,1,1,2-Tetrachloroethane		5.1	U	0.53	5.1
1,1,2,2-Tetrachloroethane		5.1	U	0.53	5.1
Toluene		15		0.075	5.1
Tetrachloroethene		5.1	U	0.83	5.1
Tetrahydrofuran		20	U	6.3	20
1,2,3-Trichlorobenzene		5.1	U	0.63	5.1
1,2,4-Trichlorobenzene		5.1	U	0.76	5.1
1,1,1-Trichloroethane		5.1	U	0.54	5.1
1,1,2-Trichloroethane		5.1	U	0.38	5.1
Trichloroethene		5.1	U	0.83	5.1
Trichlorofluoromethane		5.1	U	0.15	5.1
1,2,3-Trichloropropane		5.1	U	0.94	5.1
1,1,2-Trichloro-1,2,2-trifluoroethane		5.1	U	0.80	5.1
1,2,4-Trimethylbenzene		27		0.77	5.1
1,3,5-Trimethylbenzene		9.6		0.51	5.1
Vinyl chloride		5.1	U	0.23	5.1
m-Xylene & p-Xylene		26		0.36	5.1
o-Xylene		18		0.19	5.1
Xylenes, Total		44		0.50	5.1

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96		70 - 130
4-Bromofluorobenzene	66	*	70 - 130
Dibromofluoromethane	93		70 - 130
Toluene-d8 (Surr)	82		70 - 130

Client Sample ID: **GP-4 (8-9.2)**

Lab Sample ID: 220-14062-4 Date Sampled: 11/18/2010 1225
Client Matrix: Solid % Moisture: 12.7 Date Received: 11/18/2010 1655

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-45506		Instrument ID:	MSW
Preparation:	5035	Prep Batch: 220-45329		Lab File ID:	W7266.D
Dilution:	40			Initial Weight/Volume:	5.28 g
Date Analyzed:	11/24/2010 1410	Run Type: DL		Final Weight/Volume:	5.67056 mL
Date Prepared:	11/19/2010 1553				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acetone		24000	*	1200	6100
Acrylonitrile		6100	U	1200	6100
Benzene		610	U	120	610
Bromobenzene		2500	U	98	2500
n-Butylbenzene		1200	U	170	1200
sec-Butylbenzene		1200	U	74	1200
tert-Butylbenzene		1200	U	150	1200
Dichlorobromomethane		1200	U	490	1200
Bromoform		1200	U	150	1200
Bromomethane		3700	U	1000	3700
2-Butanone (MEK)		2500	U	760	2500
Chlorobenzene		1200	U	98	1200
Carbon disulfide		1200	U	120	1200
Carbon tetrachloride		1200	U	120	1200
Chloroethane		3700	U	930	3700
Chloroform		1200	U	270	1200
Chloromethane		1200	U	390	1200
2-Chlorotoluene		1200	U	200	1200
4-Chlorotoluene		1200	U	170	1200
Chlorodibromomethane		1200	U	98	1200
1,2-Dibromo-3-Chloropropane		1200	U	390	1200
Ethylene Dibromide		1200	U	49	1200
Dibromomethane		1200	U	250	1200
1,2-Dichlorobenzene		1200	U	200	1200
1,3-Dichlorobenzene		1200	U	150	1200
1,4-Dichlorobenzene		1200	U	120	1200
trans-1,4-Dichloro-2-butene		2500	U	790	2500
Dichlorodifluoromethane		1200	U *	340	1200
1,1-Dichloroethane		1200	U	150	1200
1,2-Dichloroethane		1200	U	120	1200
1,1-Dichloroethene		1200	U	120	1200
cis-1,2-Dichloroethene		1200	U	320	1200
trans-1,2-Dichloroethene		2500	U	220	2500
1,2-Dichloropropane		1200	U	49	1200
1,3-Dichloropropane		1200	U	120	1200
2,2-Dichloropropane		1200	U	98	1200
1,1-Dichloropropene		2500	U	220	2500
cis-1,3-Dichloropropene		1200	U	150	1200
trans-1,3-Dichloropropene		1200	U	98	1200
Ethylbenzene		1200	U	250	1200
Hexachlorobutadiene		1200	U	200	1200
2-Hexanone		2500	U	790	2500
Isopropylbenzene		1200	U	98	1200
4-Isopropyltoluene		1200	U	74	1200
Methylene Chloride		6100	U	690	6100
4-Methyl-2-pentanone (MIBK)		2500	U	370	2500

Client: CHA Inc

Job Number: 220-14062-1

Client Sample ID: GP-4 (8-9.2)

Lab Sample ID: 220-14062-4
Client Matrix: Solid

% Moisture: 12.7

Date Sampled: 11/18/2010 1225
Date Received: 11/18/2010 1655

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-45506		Instrument ID:	MSW
Preparation:	5035	Prep Batch: 220-45329		Lab File ID:	W7266.D
Dilution:	40			Initial Weight/Volume:	5.28 g
Date Analyzed:	11/24/2010 1410	Run Type: DL		Final Weight/Volume:	5.67056 mL
Date Prepared:	11/19/2010 1553				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Methyl tert-butyl ether		1200	U	120	1200
Naphthalene		180000	B	49	1200
N-Propylbenzene		1200	U	150	1200
Styrene		1200	U	98	1200
1,1,1,2-Tetrachloroethane		1200	U	170	1200
1,1,2,2-Tetrachloroethane		1200	U	170	1200
Toluene		1200	U	150	1200
Tetrachloroethene		1200	U	120	1200
Tetrahydrofuran		3700	U	710	3700
1,2,3-Trichlorobenzene		1200	U	74	1200
1,2,4-Trichlorobenzene		1200	U	150	1200
1,1,1-Trichloroethane		1200	U	320	1200
1,1,2-Trichloroethane		1200	U	490	1200
Trichloroethene		1200	U	120	1200
Trichlorofluoromethane		1200	U	150	1200
1,2,3-Trichloropropane		2500	U	49	2500
1,1,2-Trichloro-1,2,2-trifluoroethane		2500	U	98	2500
1,2,4-Trimethylbenzene		2600		98	1200
1,3,5-Trimethylbenzene		2200		120	1200
Vinyl chloride		1200	U	220	1200
m-Xylene & p-Xylene		1500		200	1200
o-Xylene		1200	U	200	1200
Xylenes, Total		2500	U	200	2500

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	93		70 - 130
4-Bromofluorobenzene	83		70 - 130
Dibromofluoromethane	90		70 - 130
Toluene-d8 (Surr)	94		70 - 130

Client: CHA Inc | Job Number: 220-14062-1

Client Sample ID: **GP-5 (1-1.5)**

Lab Sample ID: 220-14062-5 | Date Sampled: 11/18/2010 1340
Client Matrix: Solid | % Moisture: 18.0 | Date Received: 11/18/2010 1655

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-45506		Instrument ID:	MSW
Preparation:	5035	Prep Batch: 220-45329		Lab File ID:	W7262.D
Dilution:	1.0			Initial Weight/Volume:	5.02 g
Date Analyzed:	11/24/2010 1232			Final Weight/Volume:	5.9036 mL
Date Prepared:	11/19/2010 1553				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acetone		180	U *	35	180
Acrylonitrile		180	U	34	180
Benzene		18	U	3.6	18
Bromobenzene		72	U	2.9	72
n-Butylbenzene		36	U	5.0	36
sec-Butylbenzene		36	U	2.2	36
tert-Butylbenzene		36	U	4.3	36
Dichlorobromomethane		36	U	14	36
Bromoform		36	U	4.3	36
Bromomethane		110	U	29	110
2-Butanone (MEK)		72	U	22	72
Chlorobenzene		36	U	2.9	36
Carbon disulfide		36	U	3.6	36
Carbon tetrachloride		36	U	3.6	36
Chloroethane		110	U	27	110
Chloroform		36	U	7.9	36
Chloromethane		36	U	11	36
2-Chlorotoluene		36	U	5.7	36
4-Chlorotoluene		36	U	5.0	36
Chlorodibromomethane		36	U	2.9	36
1,2-Dibromo-3-Chloropropane		36	U	11	36
Ethylene Dibromide		36	U	1.4	36
Dibromomethane		36	U	7.2	36
1,2-Dichlorobenzene		36	U	5.7	36
1,3-Dichlorobenzene		36	U	4.3	36
1,4-Dichlorobenzene		36	U	3.6	36
trans-1,4-Dichloro-2-butene		72	U	23	72
Dichlorodifluoromethane		36	U *	10	36
1,1-Dichloroethane		36	U	4.3	36
1,2-Dichloroethane		36	U	3.6	36
1,1-Dichloroethene		36	U	3.6	36
cis-1,2-Dichloroethene		36	U	9.3	36
trans-1,2-Dichloroethene		72	U	6.5	72
1,2-Dichloropropane		36	U	1.4	36
1,3-Dichloropropane		36	U	3.6	36
2,2-Dichloropropane		36	U	2.9	36
1,1-Dichloropropene		72	U	6.5	72
cis-1,3-Dichloropropene		36	U	4.3	36
trans-1,3-Dichloropropene		36	U	2.9	36
Ethylbenzene		36	U	7.2	36
Hexachlorobutadiene		36	U	5.7	36
2-Hexanone		72	U	23	72
Isopropylbenzene		36	U	2.9	36
4-Isopropyltoluene		36	U	2.2	36
Methylene Chloride		180	U	20	180
4-Methyl-2-pentanone (MIBK)		72	U	11	72

Client: CHA Inc

Job Number: 220-14062-1

Client Sample ID: GP-5 (1-1.5)

Lab Sample ID: 220-14062-5
Client Matrix: Solid

% Moisture: 18.0

Date Sampled: 11/18/2010 1340
Date Received: 11/18/2010 1655

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-45506	Instrument ID:	MSW
Preparation:	5035	Prep Batch: 220-45329	Lab File ID:	W7262.D
Dilution:	1.0		Initial Weight/Volume:	5.02 g
Date Analyzed:	11/24/2010 1232		Final Weight/Volume:	5.9036 mL
Date Prepared:	11/19/2010 1553			

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Methyl tert-butyl ether		36	U	3.6	36
Naphthalene		67	B	1.4	36
N-Propylbenzene		36	U	4.3	36
Styrene		36	U	2.9	36
1,1,1,2-Tetrachloroethane		36	U	5.0	36
1,1,2,2-Tetrachloroethane		36	U	5.0	36
Toluene		36	U	4.3	36
Tetrachloroethene		36	U	3.6	36
Tetrahydrofuran		110	U	21	110
1,2,3-Trichlorobenzene		36	U	2.2	36
1,2,4-Trichlorobenzene		36	U	4.3	36
1,1,1-Trichloroethane		36	U	9.3	36
1,1,2-Trichloroethane		36	U	14	36
Trichloroethene		36	U	3.6	36
Trichlorofluoromethane		36	U	4.3	36
1,2,3-Trichloropropane		72	U	1.4	72
1,1,2-Trichloro-1,2,2-trifluoroethane		72	U	2.9	72
1,2,4-Trimethylbenzene		36	U	2.9	36
1,3,5-Trimethylbenzene		42		3.6	36
Vinyl chloride		36	U	6.5	36
m-Xylene & p-Xylene		45		5.7	36
o-Xylene		36	U	5.7	36
Xylenes, Total		72	U	5.7	72

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	90		70 - 130
4-Bromofluorobenzene	90		70 - 130
Dibromofluoromethane	85		70 - 130
Toluene-d8 (Surr)	93		70 - 130

Client: CHA Inc

Job Number: 220-14062-1

Client Sample ID: **GP-6 (4-5)**

Lab Sample ID: 220-14062-6
Client Matrix: Solid

% Moisture: 21.7

Date Sampled: 11/18/2010 1355
Date Received: 11/18/2010 1655

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-45444		Instrument ID:	MSO
Preparation:	5035	Prep Batch: 220-45317		Lab File ID:	O1225.D
Dilution:	1.0			Initial Weight/Volume:	5.70 g
Date Analyzed:	11/19/2010 1727			Final Weight/Volume:	5 mL
Date Prepared:	11/19/2010 1354				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acetone		22	U	2.5	22
Acrylonitrile		5.6	U	1.6	5.6
Benzene		5.6	U	0.64	5.6
Bromobenzene		5.6	U	0.59	5.6
n-Butylbenzene		5.6	U	1.3	5.6
sec-Butylbenzene		5.6	U	0.59	5.6
tert-Butylbenzene		5.6	U	0.32	5.6
Dichlorobromomethane		5.6	U	0.34	5.6
Bromoform		5.6	U	0.68	5.6
Bromomethane		5.6	U	2.3	5.6
2-Butanone (MEK)		11	U	1.8	11
Chlorobenzene		5.6	U	0.66	5.6
Carbon disulfide		5.6	U	0.46	5.6
Carbon tetrachloride		5.6	U	1.1	5.6
Chloroethane		5.6	U	1.1	5.6
Chloroform		5.6	U	0.38	5.6
Chloromethane		5.6	U	0.87	5.6
2-Chlorotoluene		5.6	U	0.72	5.6
4-Chlorotoluene		5.6	U	0.71	5.6
Chlorodibromomethane		5.6	U	0.39	5.6
1,2-Dibromo-3-Chloropropane		11	U	5.1	11
Ethylene Dibromide		5.6	U	0.85	5.6
Dibromomethane		5.6	U	0.72	5.6
1,2-Dichlorobenzene		5.6	U	0.27	5.6
1,3-Dichlorobenzene		5.6	U	0.24	5.6
1,4-Dichlorobenzene		5.6	U	0.75	5.6
trans-1,4-Dichloro-2-butene		11	U	1.3	11
Dichlorodifluoromethane		5.6	U	0.39	5.6
1,1-Dichloroethane		5.6	U	0.34	5.6
1,2-Dichloroethane		5.6	U	0.65	5.6
1,1-Dichloroethene		5.6	U	0.65	5.6
cis-1,2-Dichloroethene		5.6	U	0.41	5.6
trans-1,2-Dichloroethene		5.6	U	0.44	5.6
1,2-Dichloropropane		5.6	U	0.75	5.6
1,3-Dichloropropane		5.6	U	0.76	5.6
2,2-Dichloropropane		5.6	U	0.77	5.6
1,1-Dichloropropene		28	U	0.64	28
cis-1,3-Dichloropropene		5.6	U	0.63	5.6
trans-1,3-Dichloropropene		5.6	U	0.30	5.6
Ethylbenzene		5.6	U	0.78	5.6
Hexachlorobutadiene		5.6	U	0.69	5.6
2-Hexanone		11	U	1.3	11
Isopropylbenzene		5.6	U	0.21	5.6
4-Isopropyltoluene		5.6	U	0.59	5.6
Methylene Chloride		22	U	1.2	22
4-Methyl-2-pentanone (MIBK)		5.6	U	0.62	5.6

Client: CHA Inc | Job Number: 220-14062-1

Client Sample ID: GP-6 (4-5)

Lab Sample ID: 220-14062-6 | Date Sampled: 11/18/2010 1355
Client Matrix: Solid | % Moisture: 21.7 | Date Received: 11/18/2010 1655

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-45444	Instrument ID: MSO
Preparation:	5035	Prep Batch: 220-45317	Lab File ID: O1225.D
Dilution:	1.0		Initial Weight/Volume: 5.70 g
Date Analyzed:	11/19/2010 1727		Final Weight/Volume: 5 mL
Date Prepared:	11/19/2010 1354		

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Methyl tert-butyl ether		5.6	U	0.24	5.6
Naphthalene		69		0.32	5.6
N-Propylbenzene		5.6	U	0.68	5.6
Styrene		5.6	U	0.17	5.6
1,1,1,2-Tetrachloroethane		5.6	U	0.58	5.6
1,1,2,2-Tetrachloroethane		5.6	U	0.58	5.6
Toluene		5.6	U	0.083	5.6
Tetrachloroethene		5.6	U	0.91	5.6
Tetrahydrofuran		22	U	6.9	22
1,2,3-Trichlorobenzene		5.6	U	0.69	5.6
1,2,4-Trichlorobenzene		5.6	U	0.84	5.6
1,1,1-Trichloroethane		5.6	U	0.59	5.6
1,1,2-Trichloroethane		5.6	U	0.41	5.6
Trichloroethene		5.6	U	0.91	5.6
Trichlorofluoromethane		5.6	U	0.17	5.6
1,2,3-Trichloropropane		5.6	U	1.0	5.6
1,1,2-Trichloro-1,2,2-trifluoroethane		5.6	U	0.88	5.6
1,2,4-Trimethylbenzene		5.6	U	0.85	5.6
1,3,5-Trimethylbenzene		5.6	U	0.56	5.6
Vinyl chloride		5.6	U	0.26	5.6
m-Xylene & p-Xylene		5.6	U	0.39	5.6
o-Xylene		5.6	U	0.21	5.6
Xylenes, Total		5.6	U	0.54	5.6

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	86		70 - 130
4-Bromofluorobenzene	76		70 - 130
Dibromofluoromethane	93		70 - 130
Toluene-d8 (Surr)	93		70 - 130

Client: CHA Inc | Job Number: 220-14062-1

Client Sample ID: **GP-7 (4-4.8)**

Lab Sample ID: 220-14062-7 | Date Sampled: 11/18/2010 1430
Client Matrix: Solid | % Moisture: 23.5 | Date Received: 11/18/2010 1655

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-45444		Instrument ID:	MSO
Preparation:	5035	Prep Batch: 220-45317		Lab File ID:	O1226.D
Dilution:	1.0			Initial Weight/Volume:	6.10 g
Date Analyzed:	11/19/2010 1752			Final Weight/Volume:	5 mL
Date Prepared:	11/19/2010 1354				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acetone		21	U	2.4	21
Acrylonitrile		5.4	U	1.5	5.4
Benzene		5.4	U	0.61	5.4
Bromobenzene		5.4	U	0.57	5.4
n-Butylbenzene		5.4	U	1.2	5.4
sec-Butylbenzene		5.4	U	0.57	5.4
tert-Butylbenzene		5.4	U	0.31	5.4
Dichlorobromomethane		5.4	U	0.32	5.4
Bromoform		5.4	U	0.65	5.4
Bromomethane		5.4	U	2.2	5.4
2-Butanone (MEK)		11	U	1.7	11
Chlorobenzene		5.4	U	0.63	5.4
Carbon disulfide		5.4	U	0.44	5.4
Carbon tetrachloride		5.4	U	1.0	5.4
Chloroethane		5.4	U	1.0	5.4
Chloroform		5.4	U	0.36	5.4
Chloromethane		5.4	U	0.84	5.4
2-Chlorotoluene		5.4	U	0.69	5.4
4-Chlorotoluene		5.4	U	0.67	5.4
Chlorodibromomethane		5.4	U	0.37	5.4
1,2-Dibromo-3-Chloropropane		11	U	4.9	11
Ethylene Dibromide		5.4	U	0.81	5.4
Dibromomethane		5.4	U	0.69	5.4
1,2-Dichlorobenzene		5.4	U	0.26	5.4
1,3-Dichlorobenzene		5.4	U	0.22	5.4
1,4-Dichlorobenzene		5.4	U	0.72	5.4
trans-1,4-Dichloro-2-butene		11	U	1.2	11
Dichlorodifluoromethane		5.4	U	0.37	5.4
1,1-Dichloroethane		5.4	U	0.32	5.4
1,2-Dichloroethane		5.4	U	0.62	5.4
1,1-Dichloroethene		5.4	U	0.62	5.4
cis-1,2-Dichloroethene		5.4	U	0.40	5.4
trans-1,2-Dichloroethene		5.4	U	0.42	5.4
1,2-Dichloropropane		5.4	U	0.72	5.4
1,3-Dichloropropane		5.4	U	0.73	5.4
2,2-Dichloropropane		5.4	U	0.74	5.4
1,1-Dichloropropene		27	U	0.61	27
cis-1,3-Dichloropropene		5.4	U	0.60	5.4
trans-1,3-Dichloropropene		5.4	U	0.29	5.4
Ethylbenzene		5.4	U	0.75	5.4
Hexachlorobutadiene		5.4	U	0.66	5.4
2-Hexanone		11	U	1.3	11
Isopropylbenzene		5.4	U	0.20	5.4
4-Isopropyltoluene		5.4	U	0.57	5.4
Methylene Chloride		21	U	1.2	21
4-Methyl-2-pentanone (MIBK)		5.4	U	0.59	5.4

Client: CHA Inc

Job Number: 220-14062-1

Client Sample ID: GP-7 (4-4.8)

Lab Sample ID: 220-14062-7
Client Matrix: Solid
% Moisture: 23.5

Date Sampled: 11/18/2010 1430
Date Received: 11/18/2010 1655

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-45444	Instrument ID: MSO
Preparation:	5035	Prep Batch: 220-45317	Lab File ID: O1226.D
Dilution:	1.0		Initial Weight/Volume: 6.10 g
Date Analyzed:	11/19/2010 1752		Final Weight/Volume: 5 mL
Date Prepared:	11/19/2010 1354		

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Methyl tert-butyl ether		5.4	U	0.22	5.4
Naphthalene		5.4	U	0.31	5.4
N-Propylbenzene		5.4	U	0.65	5.4
Styrene		5.4	U	0.16	5.4
1,1,1,2-Tetrachloroethane		5.4	U	0.56	5.4
1,1,2,2-Tetrachloroethane		5.4	U	0.56	5.4
Toluene		5.4	U	0.079	5.4
Tetrachloroethene		5.4	U	0.87	5.4
Tetrahydrofuran		21	U	6.6	21
1,2,3-Trichlorobenzene		5.4	U	0.66	5.4
1,2,4-Trichlorobenzene		5.4	U	0.80	5.4
1,1,1-Trichloroethane		5.4	U	0.57	5.4
1,1,2-Trichloroethane		5.4	U	0.40	5.4
Trichloroethene		5.4	U	0.87	5.4
Trichlorofluoromethane		5.4	U	0.16	5.4
1,2,3-Trichloropropane		5.4	U	0.99	5.4
1,1,2-Trichloro-1,2,2-trifluoroethane		5.4	U	0.85	5.4
1,2,4-Trimethylbenzene		5.4	U	0.81	5.4
1,3,5-Trimethylbenzene		5.4	U	0.54	5.4
Vinyl chloride		5.4	U	0.25	5.4
m-Xylene & p-Xylene		5.4	U	0.37	5.4
o-Xylene		5.4	U	0.20	5.4
Xylenes, Total		5.4	U	0.52	5.4

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96		70 - 130
4-Bromofluorobenzene	91		70 - 130
Dibromofluoromethane	93		70 - 130
Toluene-d8 (Surr)	89		70 - 130

Client: CHA Inc | Job Number: 220-14062-1

Client Sample ID: **GP-8 (1-2)**

Lab Sample ID: 220-14062-8 | Date Sampled: 11/18/2010 1510
Client Matrix: Solid | % Moisture: 22.7 | Date Received: 11/18/2010 1655

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-45444		Instrument ID:	MSO
Preparation:	5035	Prep Batch: 220-45317		Lab File ID:	O1227.D
Dilution:	1.0			Initial Weight/Volume:	5.45 g
Date Analyzed:	11/19/2010 1818			Final Weight/Volume:	5 mL
Date Prepared:	11/19/2010 1354				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acetone		24	U	2.7	24
Acrylonitrile		5.9	U	1.7	5.9
Benzene		5.9	U	0.68	5.9
Bromobenzene		5.9	U	0.63	5.9
n-Butylbenzene		5.9	U	1.3	5.9
sec-Butylbenzene		5.9	U	0.63	5.9
tert-Butylbenzene		5.9	U	0.34	5.9
Dichlorobromomethane		5.9	U	0.36	5.9
Bromoform		5.9	U	0.72	5.9
Bromomethane		5.9	U	2.5	5.9
2-Butanone (MEK)		12	U	1.9	12
Chlorobenzene		5.9	U	0.70	5.9
Carbon disulfide		5.9	U	0.49	5.9
Carbon tetrachloride		5.9	U	1.1	5.9
Chloroethane		5.9	U	1.2	5.9
Chloroform		5.9	U	0.40	5.9
Chloromethane		5.9	U	0.93	5.9
2-Chlorotoluene		5.9	U	0.76	5.9
4-Chlorotoluene		5.9	U	0.75	5.9
Chlorodibromomethane		5.9	U	0.42	5.9
1,2-Dibromo-3-Chloropropane		12	U	5.4	12
Ethylene Dibromide		5.9	U	0.90	5.9
Dibromomethane		5.9	U	0.76	5.9
1,2-Dichlorobenzene		5.9	U	0.28	5.9
1,3-Dichlorobenzene		5.9	U	0.25	5.9
1,4-Dichlorobenzene		5.9	U	0.80	5.9
trans-1,4-Dichloro-2-butene		12	U	1.3	12
Dichlorodifluoromethane		5.9	U	0.42	5.9
1,1-Dichloroethane		5.9	U	0.36	5.9
1,2-Dichloroethane		5.9	U	0.69	5.9
1,1-Dichloroethene		5.9	U	0.69	5.9
cis-1,2-Dichloroethene		5.9	U	0.44	5.9
trans-1,2-Dichloroethene		5.9	U	0.46	5.9
1,2-Dichloropropane		5.9	U	0.80	5.9
1,3-Dichloropropane		5.9	U	0.81	5.9
2,2-Dichloropropane		5.9	U	0.82	5.9
1,1-Dichloropropene		30	U	0.68	30
cis-1,3-Dichloropropene		5.9	U	0.66	5.9
trans-1,3-Dichloropropene		5.9	U	0.32	5.9
Ethylbenzene		5.9	U	0.83	5.9
Hexachlorobutadiene		5.9	U	0.74	5.9
2-Hexanone		12	U	1.4	12
Isopropylbenzene		5.9	U	0.23	5.9
4-Isopropyltoluene		5.9	U	0.63	5.9
Methylene Chloride		24	U	1.3	24
4-Methyl-2-pentanone (MIBK)		5.9	U	0.65	5.9

Client: CHA Inc

Job Number: 220-14062-1

Client Sample ID: GP-8 (1-2)

Lab Sample ID: 220-14062-8
Client Matrix: Solid

% Moisture: 22.7

Date Sampled: 11/18/2010 1510
Date Received: 11/18/2010 1655

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-45444	Instrument ID: MSO
Preparation:	5035	Prep Batch: 220-45317	Lab File ID: O1227.D
Dilution:	1.0		Initial Weight/Volume: 5.45 g
Date Analyzed:	11/19/2010 1818		Final Weight/Volume: 5 mL
Date Prepared:	11/19/2010 1354		

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Methyl tert-butyl ether		5.9	U	0.25	5.9
Naphthalene		5.9	U	0.34	5.9
N-Propylbenzene		5.9	U	0.72	5.9
Styrene		5.9	U	0.18	5.9
1,1,1,2-Tetrachloroethane		5.9	U	0.62	5.9
1,1,2,2-Tetrachloroethane		5.9	U	0.62	5.9
Toluene		5.9	U	0.088	5.9
Tetrachloroethene		5.9	U	0.96	5.9
Tetrahydrofuran		24	U	7.3	24
1,2,3-Trichlorobenzene		5.9	U	0.74	5.9
1,2,4-Trichlorobenzene		5.9	U	0.89	5.9
1,1,1-Trichloroethane		5.9	U	0.63	5.9
1,1,2-Trichloroethane		5.9	U	0.44	5.9
Trichloroethene		5.9	U	0.96	5.9
Trichlorofluoromethane		5.9	U	0.18	5.9
1,2,3-Trichloropropane		5.9	U	1.1	5.9
1,1,2-Trichloro-1,2,2-trifluoroethane		5.9	U	0.94	5.9
1,2,4-Trimethylbenzene		5.9	U	0.90	5.9
1,3,5-Trimethylbenzene		5.9	U	0.59	5.9
Vinyl chloride		5.9	U	0.27	5.9
m-Xylene & p-Xylene		5.9	U	0.42	5.9
o-Xylene		5.9	U	0.23	5.9
Xylenes, Total		5.9	U	0.58	5.9

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96		70 - 130
4-Bromofluorobenzene	89		70 - 130
Dibromofluoromethane	92		70 - 130
Toluene-d8 (Surr)	88		70 - 130

Client: CHA Inc

Job Number: 220-14062-1

Client Sample ID: **TRIP BLANK**

Lab Sample ID: 220-14062-9TB
Client Matrix: Water

Date Sampled: 11/18/2010 0000
Date Received: 11/18/2010 1655

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 11/22/2010 1430
Date Prepared: 11/22/2010 1430

Analysis Batch: 220-45463

Instrument ID: MSV
Lab File ID: V7088.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	2.0	U	0.58	2.0
Acrylonitrile	2.0	U	0.21	2.0
Benzene	0.50	U	0.14	0.50
Bromobenzene	0.50	U	0.12	0.50
n-Butylbenzene	0.50	U	0.10	0.50
sec-Butylbenzene	0.50	U	0.085	0.50
tert-Butylbenzene	1.0	U	0.29	1.0
Dichlorobromomethane	0.50	U	0.078	0.50
Bromoform	0.50	U	0.13	0.50
Bromomethane	1.0	U	0.21	1.0
2-Butanone (MEK)	2.0	U	0.32	2.0
Chlorobenzene	0.50	U	0.057	0.50
Carbon disulfide	0.50	U	0.077	0.50
Carbon tetrachloride	0.50	U	0.10	0.50
Chloroethane	1.0	U	0.15	1.0
Chloroform	0.50	U	0.12	0.50
Chloromethane	0.50	U	0.20	0.50
2-Chlorotoluene	0.50	U	0.16	0.50
4-Chlorotoluene	0.50	U	0.15	0.50
Chlorodibromomethane	0.50	U	0.088	0.50
1,2-Dibromo-3-Chloropropane	0.50	U	0.21	0.50
Ethylene Dibromide	0.50	U	0.12	0.50
Dibromomethane	0.50	U	0.074	0.50
1,2-Dichlorobenzene	0.50	U	0.063	0.50
1,3-Dichlorobenzene	0.50	U	0.072	0.50
1,4-Dichlorobenzene	0.50	U	0.17	0.50
trans-1,4-Dichloro-2-butene	1.0	U	0.36	1.0
Dichlorodifluoromethane	1.0	U *	0.33	1.0
1,1-Dichloroethane	0.50	U	0.13	0.50
1,2-Dichloroethane	0.50	U	0.12	0.50
1,1-Dichloroethene	0.50	U	0.19	0.50
cis-1,2-Dichloroethene	0.50	U	0.21	0.50
trans-1,2-Dichloroethene	0.50	U	0.24	0.50
1,2-Dichloropropane	0.50	U	0.11	0.50
1,3-Dichloropropane	0.50	U	0.11	0.50
2,2-Dichloropropane	0.50	U	0.069	0.50
1,1-Dichloropropene	0.50	U	0.11	0.50
cis-1,3-Dichloropropene	0.50	U	0.13	0.50
trans-1,3-Dichloropropene	0.50	U	0.19	0.50
Ethylbenzene	0.50	U	0.14	0.50
Hexachlorobutadiene	0.50	U	0.058	0.50
2-Hexanone	2.0	U	0.51	2.0
Isopropylbenzene	0.50	U	0.12	0.50
4-Isopropyltoluene	0.50	U	0.10	0.50
Methylene Chloride	2.0		0.091	2.0
4-Methyl-2-pentanone (MIBK)	2.0	U	0.30	2.0

Client: CHA Inc

Job Number: 220-14062-1

Client Sample ID: **TRIP BLANK**

Lab Sample ID: 220-14062-9TB
Client Matrix: Water

Date Sampled: 11/18/2010 0000
Date Received: 11/18/2010 1655

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 11/22/2010 1430
Date Prepared: 11/22/2010 1430

Analysis Batch: 220-45463

Instrument ID: MSV
Lab File ID: V7088.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Methyl tert-butyl ether	0.50	U	0.19	0.50
Naphthalene	0.50	U	0.073	0.50
N-Propylbenzene	0.50	U	0.15	0.50
Styrene	0.50	U	0.17	0.50
1,1,1,2-Tetrachloroethane	0.50	U	0.11	0.50
1,1,2,2-Tetrachloroethane	0.50	U	0.15	0.50
Toluene	0.50	U	0.18	0.50
Tetrachloroethene	0.50	U	0.11	0.50
Tetrahydrofuran	2.0	U	0.95	2.0
1,2,3-Trichlorobenzene	0.50	U	0.047	0.50
1,2,4-Trichlorobenzene	0.50	U	0.073	0.50
1,1,1-Trichloroethane	0.50	U	0.16	0.50
1,1,2-Trichloroethane	0.50	U	0.11	0.50
Trichloroethene	0.50	U	0.11	0.50
Trichlorofluoromethane	0.50	U	0.042	0.50
1,2,3-Trichloropropane	0.50	U	0.17	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	0.14	0.50
1,2,4-Trimethylbenzene	0.50	U	0.13	0.50
1,3,5-Trimethylbenzene	0.50	U	0.11	0.50
Vinyl chloride	0.50	U	0.14	0.50
m-Xylene & p-Xylene	1.0	U	0.30	1.0
o-Xylene	0.50	U	0.12	0.50
Xylenes, Total	1.0	U	0.30	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98		70 - 130
4-Bromofluorobenzene	92		70 - 130
Dibromofluoromethane	102		70 - 130
Toluene-d8 (Surr)	96		70 - 130

Client: CHA Inc

Job Number: 220-14062-1

Client Sample ID: **GP-3 (2-3)**

Lab Sample ID: 220-14062-10
Client Matrix: Solid

Date Sampled: 11/18/2010 1140
Date Received: 11/18/2010 1655

8260B Volatile Organic Compounds (GC/MS)-TCLP

Method:	8260B	Analysis Batch: 220-45551		Instrument ID:	MSW
Preparation:	5030B			Lab File ID:	W7275.D
Dilution:	1.0	Leachate Batch: 220-45464		Initial Weight/Volume:	5 mL
Date Analyzed:	11/24/2010 1753			Final Weight/Volume:	5 mL
Date Prepared:	11/24/2010 1753				
Date Leached:	11/23/2010 1945				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Vinyl chloride		0.00050	U	0.00014	0.00050
1,1-Dichloroethene		0.00050	U	0.00019	0.00050
2-Butanone (MEK)		0.0020	U	0.00032	0.0020
Chloroform		0.0014	B	0.00012	0.00050
Carbon tetrachloride		0.00050	U	0.00010	0.00050
Benzene		0.00050	U	0.00014	0.00050
1,2-Dichloroethane		0.00050	U	0.00011	0.00050
Trichloroethene		0.00050	U	0.00011	0.00050
Tetrachloroethene		0.00050	U	0.00011	0.00050
Chlorobenzene		0.00050	U	0.000057	0.00050

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	93		70 - 130
4-Bromofluorobenzene	92		70 - 130
Dibromofluoromethane	94		70 - 130
Toluene-d8 (Surr)	91		70 - 130

Client: CHA Inc

Job Number: 220-14062-1

Client Sample ID: GP-2

Lab Sample ID: 220-14062-11
Client Matrix: Water

Date Sampled: 11/18/2010 1535
Date Received: 11/18/2010 1655

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 11/22/2010 2213
Date Prepared: 11/22/2010 2213

Analysis Batch: 220-45463

Instrument ID: MSV
Lab File ID: V7105.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	2.0	U	0.58	2.0
Acrylonitrile	2.0	U	0.21	2.0
Benzene	0.50	U	0.14	0.50
Bromobenzene	0.50	U	0.12	0.50
n-Butylbenzene	0.50	U	0.10	0.50
sec-Butylbenzene	0.50	U	0.085	0.50
tert-Butylbenzene	1.0	U	0.29	1.0
Dichlorobromomethane	0.50	U	0.078	0.50
Bromoform	0.50	U	0.13	0.50
Bromomethane	1.0	U	0.21	1.0
2-Butanone (MEK)	2.0	U	0.32	2.0
Chlorobenzene	0.50	U	0.057	0.50
Carbon disulfide	0.50	U	0.077	0.50
Carbon tetrachloride	0.50	U	0.10	0.50
Chloroethane	1.0	U	0.15	1.0
Chloroform	0.50	U	0.12	0.50
Chloromethane	0.50	U	0.20	0.50
2-Chlorotoluene	0.50	U	0.16	0.50
4-Chlorotoluene	0.50	U	0.15	0.50
Chlorodibromomethane	0.50	U	0.088	0.50
1,2-Dibromo-3-Chloropropane	0.50	U	0.21	0.50
Ethylene Dibromide	0.50	U	0.12	0.50
Dibromomethane	0.50	U	0.074	0.50
1,2-Dichlorobenzene	0.50	U	0.063	0.50
1,3-Dichlorobenzene	0.50	U	0.072	0.50
1,4-Dichlorobenzene	0.50	U	0.17	0.50
trans-1,4-Dichloro-2-butene	1.0	U	0.36	1.0
Dichlorodifluoromethane	1.0	U *	0.33	1.0
1,1-Dichloroethane	0.50	U	0.13	0.50
1,2-Dichloroethane	0.50	U	0.12	0.50
1,1-Dichloroethene	0.50	U	0.19	0.50
cis-1,2-Dichloroethene	0.50	U	0.21	0.50
trans-1,2-Dichloroethene	0.50	U	0.24	0.50
1,2-Dichloropropane	0.50	U	0.11	0.50
1,3-Dichloropropane	0.50	U	0.11	0.50
2,2-Dichloropropane	0.50	U	0.069	0.50
1,1-Dichloropropene	0.50	U	0.11	0.50
cis-1,3-Dichloropropene	0.50	U	0.13	0.50
trans-1,3-Dichloropropene	0.50	U	0.19	0.50
Ethylbenzene	0.50	U	0.14	0.50
Hexachlorobutadiene	0.50	U	0.058	0.50
2-Hexanone	2.0	U	0.51	2.0
Isopropylbenzene	0.50	U	0.12	0.50
4-Isopropyltoluene	0.50	U	0.10	0.50
Methylene Chloride	2.0	U	0.091	2.0
4-Methyl-2-pentanone (MIBK)	2.0	U	0.30	2.0

Client: CHA Inc

Job Number: 220-14062-1

Client Sample ID: GP-2

Lab Sample ID: 220-14062-11
Client Matrix: Water

Date Sampled: 11/18/2010 1535
Date Received: 11/18/2010 1655

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 11/22/2010 2213
Date Prepared: 11/22/2010 2213

Analysis Batch: 220-45463

Instrument ID: MSV
Lab File ID: V7105.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Methyl tert-butyl ether	0.50	U	0.19	0.50
Naphthalene	200	E	0.073	0.50
N-Propylbenzene	0.73		0.15	0.50
Styrene	0.50	U	0.17	0.50
1,1,1,2-Tetrachloroethane	0.50	U	0.11	0.50
1,1,2,2-Tetrachloroethane	0.50	U	0.15	0.50
Toluene	0.50	U	0.18	0.50
Tetrachloroethene	0.50	U	0.11	0.50
Tetrahydrofuran	2.0	U	0.95	2.0
1,2,3-Trichlorobenzene	0.50	U	0.047	0.50
1,2,4-Trichlorobenzene	0.50	U	0.073	0.50
1,1,1-Trichloroethane	0.50	U	0.16	0.50
1,1,2-Trichloroethane	0.50	U	0.11	0.50
Trichloroethene	0.50	U	0.11	0.50
Trichlorofluoromethane	0.50	U	0.042	0.50
1,2,3-Trichloropropane	0.50	U	0.17	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	0.14	0.50
1,2,4-Trimethylbenzene	1.1		0.13	0.50
1,3,5-Trimethylbenzene	0.50	U	0.11	0.50
Vinyl chloride	0.50	U	0.14	0.50
m-Xylene & p-Xylene	1.0	U	0.30	1.0
o-Xylene	0.50	U	0.12	0.50
Xylenes, Total	1.0	U	0.30	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	92		70 - 130
4-Bromofluorobenzene	92		70 - 130
Dibromofluoromethane	98		70 - 130
Toluene-d8 (Surr)	97		70 - 130

Client: CHA Inc

Job Number: 220-14062-1

Client Sample ID: GP-2

Lab Sample ID: 220-14062-11
Client Matrix: Water

Date Sampled: 11/18/2010 1535
Date Received: 11/18/2010 1655

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 4.0
Date Analyzed: 11/29/2010 1509
Date Prepared: 11/29/2010 1509

Analysis Batch: 220-45592
Run Type: DL

Instrument ID: MSV
Lab File ID: V7187.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	8.0	U *	2.3	8.0
Acrylonitrile	8.0	U	0.84	8.0
Benzene	2.0	U	0.56	2.0
Bromobenzene	2.0	U	0.48	2.0
n-Butylbenzene	2.0	U	0.40	2.0
sec-Butylbenzene	2.0	U	0.34	2.0
tert-Butylbenzene	4.0	U	1.2	4.0
Dichlorobromomethane	2.0	U	0.31	2.0
Bromoform	2.0	U	0.52	2.0
Bromomethane	4.0	U	0.84	4.0
2-Butanone (MEK)	8.0	U	1.3	8.0
Chlorobenzene	2.0	U	0.23	2.0
Carbon disulfide	2.0	U	0.31	2.0
Carbon tetrachloride	2.0	U	0.40	2.0
Chloroethane	4.0	U	0.60	4.0
Chloroform	2.0	U	0.48	2.0
Chloromethane	2.0	U	0.80	2.0
2-Chlorotoluene	2.0	U	0.64	2.0
4-Chlorotoluene	2.0	U	0.60	2.0
Chlorodibromomethane	2.0	U	0.35	2.0
1,2-Dibromo-3-Chloropropane	2.0	U	0.84	2.0
Ethylene Dibromide	2.0	U	0.48	2.0
Dibromomethane	2.0	U	0.30	2.0
1,2-Dichlorobenzene	2.0	U	0.25	2.0
1,3-Dichlorobenzene	2.0	U	0.29	2.0
1,4-Dichlorobenzene	2.0	U	0.68	2.0
trans-1,4-Dichloro-2-butene	4.0	U	1.4	4.0
Dichlorodifluoromethane	4.0	U	1.3	4.0
1,1-Dichloroethane	2.0	U	0.52	2.0
1,2-Dichloroethane	2.0	U	0.48	2.0
1,1-Dichloroethene	2.0	U	0.76	2.0
cis-1,2-Dichloroethene	2.0	U	0.84	2.0
trans-1,2-Dichloroethene	2.0	U	0.96	2.0
1,2-Dichloropropane	2.0	U	0.44	2.0
1,3-Dichloropropane	2.0	U	0.44	2.0
2,2-Dichloropropane	2.0	U	0.28	2.0
1,1-Dichloropropene	2.0	U	0.44	2.0
cis-1,3-Dichloropropene	2.0	U	0.52	2.0
trans-1,3-Dichloropropene	2.0	U	0.76	2.0
Ethylbenzene	2.0	U	0.56	2.0
Hexachlorobutadiene	2.0	U	0.23	2.0
2-Hexanone	8.0	U	2.0	8.0
Isopropylbenzene	2.0	U	0.48	2.0
4-Isopropyltoluene	2.0	U	0.40	2.0
Methylene Chloride	8.0	U	0.36	8.0
4-Methyl-2-pentanone (MIBK)	8.0	U	1.2	8.0

Client: CHA Inc

Job Number: 220-14062-1

Client Sample ID: GP-2

Lab Sample ID: 220-14062-11
Client Matrix: Water

Date Sampled: 11/18/2010 1535
Date Received: 11/18/2010 1655

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-45592		Instrument ID:	MSV
Preparation:	5030B			Lab File ID:	V7187.D
Dilution:	4.0			Initial Weight/Volume:	5 mL
Date Analyzed:	11/29/2010 1509	Run Type: DL		Final Weight/Volume:	5 mL
Date Prepared:	11/29/2010 1509				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Methyl tert-butyl ether	2.0	U	0.76	2.0
Naphthalene	200		0.29	2.0
N-Propylbenzene	2.0	U	0.60	2.0
Styrene	2.0	U	0.68	2.0
1,1,1,2-Tetrachloroethane	2.0	U	0.44	2.0
1,1,2,2-Tetrachloroethane	2.0	U	0.60	2.0
Toluene	2.0	U	0.72	2.0
Tetrachloroethene	2.0	U	0.44	2.0
Tetrahydrofuran	8.0	U	3.8	8.0
1,2,3-Trichlorobenzene	2.0	U	0.19	2.0
1,2,4-Trichlorobenzene	2.0	U	0.29	2.0
1,1,1-Trichloroethane	2.0	U	0.64	2.0
1,1,2-Trichloroethane	2.0	U	0.44	2.0
Trichloroethene	2.0	U	0.44	2.0
Trichlorofluoromethane	2.0	U	0.17	2.0
1,2,3-Trichloropropane	2.0	U	0.68	2.0
1,1,2-Trichloro-1,2,2-trifluoroethane	2.0	U	0.56	2.0
1,2,4-Trimethylbenzene	3.2		0.52	2.0
1,3,5-Trimethylbenzene	2.0	U	0.44	2.0
Vinyl chloride	2.0	U	0.56	2.0
m-Xylene & p-Xylene	4.0	U	1.2	4.0
o-Xylene	2.0	U	0.48	2.0
Xylenes, Total	4.0	U	1.2	4.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	87		70 - 130
4-Bromofluorobenzene	95		70 - 130
Dibromofluoromethane	94		70 - 130
Toluene-d8 (Surr)	94		70 - 130

Client: CHA Inc

Job Number: 220-14062-1

Client Sample ID: **TRIP BLANK**

Lab Sample ID: 220-14062-12TB
Client Matrix: Water

Date Sampled: 11/18/2010 0000
Date Received: 11/18/2010 1655

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 11/22/2010 1458
Date Prepared: 11/22/2010 1458

Analysis Batch: 220-45463

Instrument ID: MSV
Lab File ID: V7089.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	2.0	U	0.58	2.0
Acrylonitrile	2.0	U	0.21	2.0
Benzene	0.50	U	0.14	0.50
Bromobenzene	0.50	U	0.12	0.50
n-Butylbenzene	0.50	U	0.10	0.50
sec-Butylbenzene	0.50	U	0.085	0.50
tert-Butylbenzene	1.0	U	0.29	1.0
Dichlorobromomethane	0.50	U	0.078	0.50
Bromoform	0.50	U	0.13	0.50
Bromomethane	1.0	U	0.21	1.0
2-Butanone (MEK)	2.0	U	0.32	2.0
Chlorobenzene	0.50	U	0.057	0.50
Carbon disulfide	0.50	U	0.077	0.50
Carbon tetrachloride	0.50	U	0.10	0.50
Chloroethane	1.0	U	0.15	1.0
Chloroform	0.50	U	0.12	0.50
Chloromethane	0.50	U	0.20	0.50
2-Chlorotoluene	0.50	U	0.16	0.50
4-Chlorotoluene	0.50	U	0.15	0.50
Chlorodibromomethane	0.50	U	0.088	0.50
1,2-Dibromo-3-Chloropropane	0.50	U	0.21	0.50
Ethylene Dibromide	0.50	U	0.12	0.50
Dibromomethane	0.50	U	0.074	0.50
1,2-Dichlorobenzene	0.50	U	0.063	0.50
1,3-Dichlorobenzene	0.50	U	0.072	0.50
1,4-Dichlorobenzene	0.50	U	0.17	0.50
trans-1,4-Dichloro-2-butene	1.0	U	0.36	1.0
Dichlorodifluoromethane	1.0	U *	0.33	1.0
1,1-Dichloroethane	0.50	U	0.13	0.50
1,2-Dichloroethane	0.50	U	0.12	0.50
1,1-Dichloroethene	0.50	U	0.19	0.50
cis-1,2-Dichloroethene	0.50	U	0.21	0.50
trans-1,2-Dichloroethene	0.50	U	0.24	0.50
1,2-Dichloropropane	0.50	U	0.11	0.50
1,3-Dichloropropane	0.50	U	0.11	0.50
2,2-Dichloropropane	0.50	U	0.069	0.50
1,1-Dichloropropene	0.50	U	0.11	0.50
cis-1,3-Dichloropropene	0.50	U	0.13	0.50
trans-1,3-Dichloropropene	0.50	U	0.19	0.50
Ethylbenzene	0.50	U	0.14	0.50
Hexachlorobutadiene	0.50	U	0.058	0.50
2-Hexanone	2.0	U	0.51	2.0
Isopropylbenzene	0.50	U	0.12	0.50
4-Isopropyltoluene	0.50	U	0.10	0.50
Methylene Chloride	2.0	U	0.091	2.0
4-Methyl-2-pentanone (MIBK)	2.0	U	0.30	2.0

Client: CHA Inc

Job Number: 220-14062-1

Client Sample ID: **TRIP BLANK**

Lab Sample ID: 220-14062-12TB
Client Matrix: Water

Date Sampled: 11/18/2010 0000
Date Received: 11/18/2010 1655

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 11/22/2010 1458
Date Prepared: 11/22/2010 1458

Analysis Batch: 220-45463

Instrument ID: MSV
Lab File ID: V7089.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Methyl tert-butyl ether	0.50	U	0.19	0.50
Naphthalene	0.50	U	0.073	0.50
N-Propylbenzene	0.50	U	0.15	0.50
Styrene	0.50	U	0.17	0.50
1,1,1,2-Tetrachloroethane	0.50	U	0.11	0.50
1,1,2,2-Tetrachloroethane	0.50	U	0.15	0.50
Toluene	0.50	U	0.18	0.50
Tetrachloroethene	0.50	U	0.11	0.50
Tetrahydrofuran	2.0	U	0.95	2.0
1,2,3-Trichlorobenzene	0.50	U	0.047	0.50
1,2,4-Trichlorobenzene	0.50	U	0.073	0.50
1,1,1-Trichloroethane	0.50	U	0.16	0.50
1,1,2-Trichloroethane	0.50	U	0.11	0.50
Trichloroethene	0.50	U	0.11	0.50
Trichlorofluoromethane	0.50	U	0.042	0.50
1,2,3-Trichloropropane	0.50	U	0.17	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	0.14	0.50
1,2,4-Trimethylbenzene	0.50	U	0.13	0.50
1,3,5-Trimethylbenzene	0.50	U	0.11	0.50
Vinyl chloride	0.50	U	0.14	0.50
m-Xylene & p-Xylene	1.0	U	0.30	1.0
o-Xylene	0.50	U	0.12	0.50
Xylenes, Total	1.0	U	0.30	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98		70 - 130
4-Bromofluorobenzene	91		70 - 130
Dibromofluoromethane	102		70 - 130
Toluene-d8 (Surr)	98		70 - 130

Client: CHA Inc

Job Number: 220-14062-1

Client Sample ID: **GP-1 (4-4.8)**

Lab Sample ID: 220-14062-1
Client Matrix: Solid

% Moisture: 17.4

Date Sampled: 11/18/2010 0950
Date Received: 11/18/2010 1655

8270C Semivolatile Compounds (GC/MS)

Method:	8270C	Analysis Batch: 220-45500		Instrument ID:	MSC
Preparation:	3541	Prep Batch: 220-45414		Lab File ID:	C20733.D
Dilution:	1.0			Initial Weight/Volume:	15.01 g
Date Analyzed:	11/24/2010 1632			Final Weight/Volume:	1 mL
Date Prepared:	11/23/2010 0946			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acenaphthene		330	U	19	330
Acenaphthylene		330	U	16	330
Aniline		330	U	43	330
Anthracene		330	U	13	330
Benzo[a]anthracene		330	U	12	330
Benzo[b]fluoranthene		330	U	8.7	330
Benzo[g,h,i]perylene		330	U	21	330
Benzo[k]fluoranthene		330	U	29	330
Benzo[a]pyrene		330	U	8.8	330
Bis(2-chloroethyl)ether		330	U	17	330
Bis(2-chloroethoxy)methane		330	U	15	330
2,2'-oxybis[1-chloropropane]		330	U	17	330
Bis(2-ethylhexyl) phthalate		330	U	32	330
4-Bromophenyl phenyl ether		330	U	21	330
Butyl benzyl phthalate		330	U	18	330
Carbazole		330	U	18	330
4-Chloroaniline		330	U	53	330
4-Chloro-3-methylphenol		330	U	13	330
2-Chloronaphthalene		330	U	14	330
2-Chlorophenol		330	U	19	330
4-Chlorophenyl phenyl ether		330	U	24	330
Chrysene		330	U	24	330
Dibenzofuran		330	U	23	330
Dibenz(a,h)anthracene		330	U	26	330
3,3'-Dichlorobenzidine		400	U	67	400
2,4-Dichlorophenol		330	U	17	330
Diethyl phthalate		330	U	33	330
2,4-Dimethylphenol		330	U	16	330
Dimethyl phthalate		330	U	19	330
Di-n-butyl phthalate		330	U	47	330
4,6-Dinitro-2-methylphenol		2100	U	140	2100
2,4-Dinitrophenol		2100	U	98	2100
2,4-Dinitrotoluene		330	U	26	330
2,6-Dinitrotoluene		330	U	9.6	330
Di-n-octyl phthalate		330	U	19	330
Fluoranthene		330	U	16	330
Fluorene		330	U	20	330
Hexachlorobenzene		330	U	23	330
Hexachlorobutadiene		330	U	25	330
Hexachlorocyclopentadiene		810	U	150	810
Hexachloroethane		330	U	19	330
Indeno[1,2,3-cd]pyrene		330	U	21	330
Isophorone		330	U	18	330
2-Methylnaphthalene		330	U	9.3	330
2-Methylphenol		330	U	20	330
4-Methylphenol		330	U	21	330

Client: CHA Inc | Job Number: 220-14062-1

Client Sample ID: GP-1 (4-4.8)

Lab Sample ID: 220-14062-1 | Date Sampled: 11/18/2010 0950
Client Matrix: Solid | % Moisture: 17.4 | Date Received: 11/18/2010 1655

8270C Semivolatile Compounds (GC/MS)

Method:	8270C	Analysis Batch: 220-45500		Instrument ID:	MSC
Preparation:	3541	Prep Batch: 220-45414		Lab File ID:	C20733.D
Dilution:	1.0			Initial Weight/Volume:	15.01 g
Date Analyzed:	11/24/2010 1632			Final Weight/Volume:	1 mL
Date Prepared:	11/23/2010 0946			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Naphthalene		330	U	17	330
2-Nitroaniline		810	U	20	810
3-Nitroaniline		810	U	10	810
4-Nitroaniline		330	U	25	330
Nitrobenzene		330	U	21	330
2-Nitrophenol		330	U	21	330
4-Nitrophenol		2100	U	25	2100
N-Nitrosodiphenylamine		330	U	18	330
N-Nitrosodi-n-propylamine		330	U	22	330
Pentachlorophenol		810	U	200	810
Pentachloronitrobenzene		400	U	71	400
Phenanthrene		330	U	16	330
Phenol		330	U	22	330
Pyrene		330	U	15	330
Pyridine		1600	U	360	1600
1,2,4,5-Tetrachlorobenzene		400	U *	52	400
1,2,4-Trichlorobenzene		330	U	21	330
2,4,5-Trichlorophenol		2100	U	16	2100
2,4,6-Trichlorophenol		330	U	9.0	330

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	93		30 - 130
2-Fluorobiphenyl	77		30 - 130
2-Fluorophenol (Surr)	73		30 - 130
Nitrobenzene-d5 (Surr)	72		30 - 130
Phenol-d5 (Surr)	76		30 - 130
Terphenyl-d14 (Surr)	90		30 - 130

Client: CHA Inc

Job Number: 220-14062-1

Client Sample ID: GP-2 (4.4-5)

Lab Sample ID: 220-14062-2
Client Matrix: Solid

% Moisture: 30.3

Date Sampled: 11/18/2010 1035
Date Received: 11/18/2010 1655

8270C Semivolatile Compounds (GC/MS)

Method:	8270C	Analysis Batch: 220-45545		Instrument ID:	MSC
Preparation:	3541	Prep Batch: 220-45414		Lab File ID:	C20747.D
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Date Analyzed:	11/29/2010 1034			Final Weight/Volume:	1 mL
Date Prepared:	11/23/2010 0946			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acenaphthene		390	U	23	390
Acenaphthylene		680		19	390
Aniline		390	U	51	390
Anthracene		1100		15	390
Benzo[a]anthracene		1400		14	390
Benzo[b]fluoranthene		1300		10	390
Benzo[g,h,i]perylene		960		25	390
Benzo[k]fluoranthene		480		35	390
Benzo[a]pyrene		1100		10	390
Bis(2-chloroethyl)ether		390	U	20	390
Bis(2-chloroethoxy)methane		390	U	18	390
2,2'-oxybis[1-chloropropane]		390	U	20	390
Bis(2-ethylhexyl) phthalate		390	U	37	390
4-Bromophenyl phenyl ether		390	U	25	390
Butyl benzyl phthalate		390	U	22	390
Carbazole		550		22	390
4-Chloroaniline		390	U	63	390
4-Chloro-3-methylphenol		390	U	16	390
2-Chloronaphthalene		390	U	16	390
2-Chlorophenol		390	U	23	390
4-Chlorophenyl phenyl ether		390	U	29	390
Chrysene		1400		29	390
Dibenzofuran		660		27	390
Dibenz(a,h)anthracene		530		30	390
3,3'-Dichlorobenzidine		470	U	80	470
2,4-Dichlorophenol		390	U	21	390
Diethyl phthalate		390	U	39	390
2,4-Dimethylphenol		390	U	19	390
Dimethyl phthalate		390	U	22	390
Di-n-butyl phthalate		390	U	56	390
4,6-Dinitro-2-methylphenol		2400	U	170	2400
2,4-Dinitrophenol		2400	U	120	2400
2,4-Dinitrotoluene		390	U	31	390
2,6-Dinitrotoluene		390	U	11	390
Di-n-octyl phthalate		390	U	22	390
Fluoranthene		3300		19	390
Fluorene		1400		23	390
Hexachlorobenzene		390	U	27	390
Hexachlorobutadiene		390	U	30	390
Hexachlorocyclopentadiene		960	U	180	960
Hexachloroethane		390	U	22	390
Indeno[1,2,3-cd]pyrene		1000		25	390
Isophorone		390	U	21	390
2-Methylnaphthalene		880		11	390
2-Methylphenol		390	U	23	390
4-Methylphenol		390	U	25	390

Client: CHA Inc | Job Number: 220-14062-1

Client Sample ID: **GP-2 (4.4-5)**

Lab Sample ID: 220-14062-2 | Date Sampled: 11/18/2010 1035
Client Matrix: Solid | % Moisture: 30.3 | Date Received: 11/18/2010 1655

8270C Semivolatile Compounds (GC/MS)

Method:	8270C	Analysis Batch: 220-45545		Instrument ID:	MSC
Preparation:	3541	Prep Batch: 220-45414		Lab File ID:	C20747.D
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Date Analyzed:	11/29/2010 1034			Final Weight/Volume:	1 mL
Date Prepared:	11/23/2010 0946			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Naphthalene		1100		20	390
2-Nitroaniline		960	U	24	960
3-Nitroaniline		960	U	12	960
4-Nitroaniline		390	U	30	390
Nitrobenzene		390	U	25	390
2-Nitrophenol		390	U	24	390
4-Nitrophenol		2400	U	29	2400
N-Nitrosodiphenylamine		390	U	22	390
N-Nitrosodi-n-propylamine		390	U	26	390
Pentachlorophenol		960	U	240	960
Pentachloronitrobenzene		470	U	85	470
Phenanthrene		4700		19	390
Phenol		390	U	26	390
Pyrene		3200		18	390
Pyridine		1900	U	420	1900
1,2,4,5-Tetrachlorobenzene		470	U *	62	470
1,2,4-Trichlorobenzene		390	U	25	390
2,4,5-Trichlorophenol		2400	U	20	2400
2,4,6-Trichlorophenol		390	U	11	390

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	81		30 - 130
2-Fluorobiphenyl	72		30 - 130
2-Fluorophenol (Surr)	66		30 - 130
Nitrobenzene-d5 (Surr)	67		30 - 130
Phenol-d5 (Surr)	68		30 - 130
Terphenyl-d14 (Surr)	88		30 - 130

Client: CHA Inc

Job Number: 220-14062-1

Client Sample ID: GP-3 (2-2.7)

Lab Sample ID: 220-14062-3
Client Matrix: Solid

% Moisture: 13.6

Date Sampled: 11/18/2010 1130
Date Received: 11/18/2010 1655

8270C Semivolatile Compounds (GC/MS)

Method:	8270C	Analysis Batch: 220-45500		Instrument ID:	MSC
Preparation:	3541	Prep Batch: 220-45414		Lab File ID:	C20734.D
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Date Analyzed:	11/24/2010 1701			Final Weight/Volume:	1 mL
Date Prepared:	11/23/2010 0946			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acenaphthene		310	U	19	310
Acenaphthylene		310	U	15	310
Aniline		310	U	41	310
Anthracene		310	U	12	310
Benzo[a]anthracene		310	U	11	310
Benzo[b]fluoranthene		310	U	8.3	310
Benzo[g,h,i]perylene		310	U	20	310
Benzo[k]fluoranthene		310	U	28	310
Benzo[a]pyrene		310	U	8.4	310
Bis(2-chloroethyl)ether		310	U	16	310
Bis(2-chloroethoxy)methane		310	U	14	310
2,2'-oxybis[1-chloropropane]		310	U	16	310
Bis(2-ethylhexyl) phthalate		310	U	30	310
4-Bromophenyl phenyl ether		310	U	20	310
Butyl benzyl phthalate		310	U	17	310
Carbazole		310	U	17	310
4-Chloroaniline		310	U	51	310
4-Chloro-3-methylphenol		310	U	13	310
2-Chloronaphthalene		310	U	13	310
2-Chlorophenol		310	U	18	310
4-Chlorophenyl phenyl ether		310	U	23	310
Chrysene		310	U	23	310
Dibenzofuran		310	U	22	310
Dibenz(a,h)anthracene		310	U	25	310
3,3'-Dichlorobenzidine		380	U	64	380
2,4-Dichlorophenol		310	U	17	310
Diethyl phthalate		310	U	31	310
2,4-Dimethylphenol		310	U	15	310
Dimethyl phthalate		310	U	18	310
Di-n-butyl phthalate		310	U	45	310
4,6-Dinitro-2-methylphenol		2000	U	130	2000
2,4-Dinitrophenol		2000	U	94	2000
2,4-Dinitrotoluene		310	U	25	310
2,6-Dinitrotoluene		310	U	9.1	310
Di-n-octyl phthalate		310	U	18	310
Fluoranthene		310	U	16	310
Fluorene		310	U	19	310
Hexachlorobenzene		310	U	22	310
Hexachlorobutadiene		310	U	24	310
Hexachlorocyclopentadiene		780	U	150	780
Hexachloroethane		310	U	18	310
Indeno[1,2,3-cd]pyrene		310	U	20	310
Isophorone		310	U	17	310
2-Methylnaphthalene		310	U	8.9	310
2-Methylphenol		310	U	19	310
4-Methylphenol		310	U	20	310

Client: CHA Inc

Job Number: 220-14062-1

Client Sample ID: GP-3 (2-2.7)

Lab Sample ID: 220-14062-3
Client Matrix: Solid
% Moisture: 13.6

Date Sampled: 11/18/2010 1130
Date Received: 11/18/2010 1655

8270C Semivolatile Compounds (GC/MS)

Method:	8270C	Analysis Batch: 220-45500	Instrument ID: MSC
Preparation:	3541	Prep Batch: 220-45414	Lab File ID: C20734.D
Dilution:	1.0		Initial Weight/Volume: 15.00 g
Date Analyzed:	11/24/2010 1701		Final Weight/Volume: 1 mL
Date Prepared:	11/23/2010 0946		Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Naphthalene		310	U	16	310
2-Nitroaniline		780	U	19	780
3-Nitroaniline		780	U	10	780
4-Nitroaniline		310	U	24	310
Nitrobenzene		310	U	20	310
2-Nitrophenol		310	U	20	310
4-Nitrophenol		2000	U	24	2000
N-Nitrosodiphenylamine		310	U	18	310
N-Nitrosodi-n-propylamine		310	U	21	310
Pentachlorophenol		780	U	190	780
Pentachloronitrobenzene		380	U	68	380
Phenanthrene		310	U	15	310
Phenol		310	U	21	310
Pyrene		310	U	15	310
Pyridine		1500	U	340	1500
1,2,4,5-Tetrachlorobenzene		380	U *	50	380
1,2,4-Trichlorobenzene		310	U	20	310
2,4,5-Trichlorophenol		2000	U	16	2000
2,4,6-Trichlorophenol		310	U	8.6	310

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	89		30 - 130
2-Fluorobiphenyl	79		30 - 130
2-Fluorophenol (Surr)	74		30 - 130
Nitrobenzene-d5 (Surr)	78		30 - 130
Phenol-d5 (Surr)	76		30 - 130
Terphenyl-d14 (Surr)	86		30 - 130

Client: CHA Inc | Job Number: 220-14062-1

Client Sample ID: **GP-4 (8-9.2)**

Lab Sample ID: 220-14062-4 | Date Sampled: 11/18/2010 1225
Client Matrix: Solid | % Moisture: 12.7 | Date Received: 11/18/2010 1655

8270C Semivolatile Compounds (GC/MS)

Method:	8270C	Analysis Batch: 220-45545		Instrument ID:	MSC
Preparation:	3541	Prep Batch: 220-45414		Lab File ID:	C20750.D
Dilution:	2.0			Initial Weight/Volume:	15.03 g
Date Analyzed:	11/29/2010 1203			Final Weight/Volume:	1 mL
Date Prepared:	11/23/2010 0946			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acenaphthene		5800		37	620
Acenaphthylene		9700		30	620
Aniline		620	U	82	620
Anthracene		14000	E	24	620
Benzo[a]anthracene		32000	E	22	620
Benzo[b]fluoranthene		25000	E	16	620
Benzo[g,h,i]perylene		11000		40	620
Benzo[k]fluoranthene		8800		55	620
Benzo[a]pyrene		24000	E	17	620
Bis(2-chloroethyl)ether		620	U	32	620
Bis(2-chloroethoxy)methane		620	U	29	620
2,2'-oxybis[1-chloropropane]		620	U	32	620
Bis(2-ethylhexyl) phthalate		620	U	60	620
4-Bromophenyl phenyl ether		620	U	40	620
Butyl benzyl phthalate		620	U	35	620
Carbazole		14000	E	34	620
4-Chloroaniline		620	U	100	620
4-Chloro-3-methylphenol		620	U	25	620
2-Chloronaphthalene		620	U	26	620
2-Chlorophenol		620	U	36	620
4-Chlorophenyl phenyl ether		620	U	45	620
Chrysene		29000	E	45	620
Dibenzofuran		16000	E	43	620
Dibenz(a,h)anthracene		620	U	48	620
3,3'-Dichlorobenzidine		750	U	130	750
2,4-Dichlorophenol		620	U	33	620
Diethyl phthalate		620	U	62	620
2,4-Dimethylphenol		9000		30	620
Dimethyl phthalate		620	U	35	620
Di-n-butyl phthalate		620	U	90	620
4,6-Dinitro-2-methylphenol		3900	U	270	3900
2,4-Dinitrophenol		3900	U	190	3900
2,4-Dinitrotoluene		620	U	49	620
2,6-Dinitrotoluene		620	U	18	620
Di-n-octyl phthalate		620	U	35	620
Fluoranthene		28000	E	31	620
Fluorene		22000	E	37	620
Hexachlorobenzene		620	U	43	620
Hexachlorobutadiene		620	U	48	620
Hexachlorocyclopentadiene		1500	U	290	1500
Hexachloroethane		620	U	35	620
Indeno[1,2,3-cd]pyrene		13000	E	40	620
Isophorone		620	U	34	620
2-Methylnaphthalene		24000	E	18	620
2-Methylphenol		5100		37	620
4-Methylphenol		14000	E	40	620

Client: CHA Inc | Job Number: 220-14062-1

Client Sample ID: GP-4 (8-9.2)

Lab Sample ID: 220-14062-4 | Date Sampled: 11/18/2010 1225
Client Matrix: Solid | % Moisture: 12.7 | Date Received: 11/18/2010 1655

8270C Semivolatile Compounds (GC/MS)

Method:	8270C	Analysis Batch: 220-45545		Instrument ID:	MSC
Preparation:	3541	Prep Batch: 220-45414		Lab File ID:	C20750.D
Dilution:	2.0			Initial Weight/Volume:	15.03 g
Date Analyzed:	11/29/2010 1203			Final Weight/Volume:	1 mL
Date Prepared:	11/23/2010 0946			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Naphthalene		23000	E	32	620
2-Nitroaniline		1500	U	37	1500
3-Nitroaniline		1500	U	20	1500
4-Nitroaniline		620	U	47	620
Nitrobenzene		620	U	39	620
2-Nitrophenol		620	U	39	620
4-Nitrophenol		3900	U	47	3900
N-Nitrosodiphenylamine		620	U	35	620
N-Nitrosodi-n-propylamine		620	U	42	620
Pentachlorophenol		1500	U	370	1500
Pentachloronitrobenzene		750	U	130	750
Phenanthrene		39000	E	30	620
Phenol		4900		41	620
Pyrene		49000	E	29	620
Pyridine		3000	U	670	3000
1,2,4,5-Tetrachlorobenzene		750	U *	98	750
1,2,4-Trichlorobenzene		620	U	40	620
2,4,5-Trichlorophenol		3900	U	31	3900
2,4,6-Trichlorophenol		620	U	17	620

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	81		30 - 130
2-Fluorobiphenyl	90		30 - 130
2-Fluorophenol (Surr)	68		30 - 130
Nitrobenzene-d5 (Surr)	79		30 - 130
Phenol-d5 (Surr)	75		30 - 130
Terphenyl-d14 (Surr)	141	*	30 - 130

Client: CHA Inc | Job Number: 220-14062-1

Client Sample ID: **GP-4 (8-9.2)**

Lab Sample ID: 220-14062-4 | Date Sampled: 11/18/2010 1225
Client Matrix: Solid | % Moisture: 12.7 | Date Received: 11/18/2010 1655

8270C Semivolatile Compounds (GC/MS)

Method:	8270C	Analysis Batch: 220-45545		Instrument ID:	MSC
Preparation:	3541	Prep Batch: 220-45414		Lab File ID:	C20748.D
Dilution:	20			Initial Weight/Volume:	15.03 g
Date Analyzed:	11/29/2010 1104	Run Type: DL		Final Weight/Volume:	1 mL
Date Prepared:	11/23/2010 0946			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acenaphthene		6600		370	6200
Acenaphthylene		13000		300	6200
Aniline		6200	U	820	6200
Anthracene		28000		240	6200
Benzo[a]anthracene		33000		220	6200
Benzo[b]fluoranthene		28000		160	6200
Benzo[g,h,i]perylene		18000		400	6200
Benzo[k]fluoranthene		11000		550	6200
Benzo[a]pyrene		26000		170	6200
Bis(2-chloroethyl)ether		6200	U	320	6200
Bis(2-chloroethoxy)methane		6200	U	290	6200
2,2'-oxybis[1-chloropropane]		6200	U	320	6200
Bis(2-ethylhexyl) phthalate		6200	U	600	6200
4-Bromophenyl phenyl ether		6200	U	400	6200
Butyl benzyl phthalate		6200	U	350	6200
Carbazole		18000		340	6200
4-Chloroaniline		6200	U	1000	6200
4-Chloro-3-methylphenol		6200	U	250	6200
2-Chloronaphthalene		6200	U	260	6200
2-Chlorophenol		6200	U	360	6200
4-Chlorophenyl phenyl ether		6200	U	450	6200
Chrysene		31000		450	6200
Dibenzofuran		28000		430	6200
Dibenz(a,h)anthracene		9900		480	6200
3,3'-Dichlorobenzidine		7500	U	1300	7500
2,4-Dichlorophenol		6200	U	330	6200
Diethyl phthalate		6200	U	620	6200
2,4-Dimethylphenol		6200	U	300	6200
Dimethyl phthalate		6200	U	350	6200
Di-n-butyl phthalate		6200	U	900	6200
4,6-Dinitro-2-methylphenol		39000	U	2700	39000
2,4-Dinitrophenol		39000	U	1900	39000
2,4-Dinitrotoluene		6200	U	490	6200
2,6-Dinitrotoluene		6200	U	180	6200
Di-n-octyl phthalate		6200	U	350	6200
Fluoranthene		71000		310	6200
Fluorene		40000		370	6200
Hexachlorobenzene		6200	U	430	6200
Hexachlorobutadiene		6200	U	480	6200
Hexachlorocyclopentadiene		15000	U	2900	15000
Hexachloroethane		6200	U	350	6200
Indeno[1,2,3-cd]pyrene		21000		400	6200
Isophorone		6200	U	340	6200
2-Methylnaphthalene		43000		180	6200
2-Methylphenol		6200	U	370	6200
4-Methylphenol		16000		400	6200

Client: CHA Inc | Job Number: 220-14062-1

Client Sample ID: **GP-4 (8-9.2)**

Lab Sample ID: 220-14062-4 | Date Sampled: 11/18/2010 1225
Client Matrix: Solid | % Moisture: 12.7 | Date Received: 11/18/2010 1655

8270C Semivolatile Compounds (GC/MS)

Method:	8270C	Analysis Batch: 220-45545		Instrument ID:	MSC
Preparation:	3541	Prep Batch: 220-45414		Lab File ID:	C20748.D
Dilution:	20			Initial Weight/Volume:	15.03 g
Date Analyzed:	11/29/2010 1104	Run Type: DL		Final Weight/Volume:	1 mL
Date Prepared:	11/23/2010 0946			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Naphthalene		70000		320	6200
2-Nitroaniline		15000	U	370	15000
3-Nitroaniline		15000	U	200	15000
4-Nitroaniline		6200	U	470	6200
Nitrobenzene		6200	U	390	6200
2-Nitrophenol		6200	U	390	6200
4-Nitrophenol		39000	U	470	39000
N-Nitrosodiphenylamine		6200	U	350	6200
N-Nitrosodi-n-propylamine		6200	U	420	6200
Pentachlorophenol		15000	U	3700	15000
Pentachloronitrobenzene		7500	U	1300	7500
Phenanthrene		95000		300	6200
Phenol		6200	U	410	6200
Pyrene		69000		290	6200
Pyridine		30000	U	6700	30000
1,2,4,5-Tetrachlorobenzene		7500	U *	980	7500
1,2,4-Trichlorobenzene		6200	U	400	6200
2,4,5-Trichlorophenol		39000	U	310	39000
2,4,6-Trichlorophenol		6200	U	170	6200

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	83		30 - 130
2-Fluorobiphenyl	99		30 - 130
2-Fluorophenol (Surr)	73		30 - 130
Nitrobenzene-d5 (Surr)	73		30 - 130
Phenol-d5 (Surr)	80		30 - 130
Terphenyl-d14 (Surr)	125		30 - 130

Client: CHA Inc

Job Number: 220-14062-1

Client Sample ID: **GP-5 (1-1.5)**

Lab Sample ID: 220-14062-5
Client Matrix: Solid

% Moisture: 18.0

Date Sampled: 11/18/2010 1340
Date Received: 11/18/2010 1655

8270C Semivolatile Compounds (GC/MS)

Method:	8270C	Analysis Batch: 220-45500		Instrument ID:	MSC
Preparation:	3541	Prep Batch: 220-45414		Lab File ID:	C20735.D
Dilution:	1.0			Initial Weight/Volume:	15.05 g
Date Analyzed:	11/24/2010 1731			Final Weight/Volume:	1 mL
Date Prepared:	11/23/2010 0946			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acenaphthene		330	U	19	330
Acenaphthylene		330	U	16	330
Aniline		330	U	43	330
Anthracene		330	U	13	330
Benzo[a]anthracene		330	U	12	330
Benzo[b]fluoranthene		390		8.7	330
Benzo[g,h,i]perylene		650		21	330
Benzo[k]fluoranthene		330	U	29	330
Benzo[a]pyrene		330	U	8.9	330
Bis(2-chloroethyl)ether		330	U	17	330
Bis(2-chloroethoxy)methane		330	U	15	330
2,2'-oxybis[1-chloropropane]		330	U	17	330
Bis(2-ethylhexyl) phthalate		330	U	32	330
4-Bromophenyl phenyl ether		330	U	21	330
Butyl benzyl phthalate		330	U	18	330
Carbazole		330	U	18	330
4-Chloroaniline		330	U	53	330
4-Chloro-3-methylphenol		330	U	13	330
2-Chloronaphthalene		330	U	14	330
2-Chlorophenol		330	U	19	330
4-Chlorophenyl phenyl ether		330	U	24	330
Chrysene		420		24	330
Dibenzofuran		330	U	23	330
Dibenz(a,h)anthracene		390		26	330
3,3'-Dichlorobenzidine		400	U	67	400
2,4-Dichlorophenol		330	U	17	330
Diethyl phthalate		330	U	33	330
2,4-Dimethylphenol		330	U	16	330
Dimethyl phthalate		330	U	19	330
Di-n-butyl phthalate		330	U	48	330
4,6-Dinitro-2-methylphenol		2100	U	140	2100
2,4-Dinitrophenol		2100	U	98	2100
2,4-Dinitrotoluene		330	U	26	330
2,6-Dinitrotoluene		330	U	9.6	330
Di-n-octyl phthalate		330	U	19	330
Fluoranthene		330	U	16	330
Fluorene		330	U	20	330
Hexachlorobenzene		330	U	23	330
Hexachlorobutadiene		330	U	25	330
Hexachlorocyclopentadiene		810	U	150	810
Hexachloroethane		330	U	19	330
Indeno[1,2,3-cd]pyrene		680		21	330
Isophorone		330	U	18	330
2-Methylnaphthalene		330	U	9.4	330
2-Methylphenol		330	U	20	330
4-Methylphenol		330	U	22	330

Client: CHA Inc

Job Number: 220-14062-1

Client Sample ID: GP-5 (1-1.5)

Lab Sample ID: 220-14062-5
Client Matrix: Solid

% Moisture: 18.0

Date Sampled: 11/18/2010 1340
Date Received: 11/18/2010 1655

8270C Semivolatile Compounds (GC/MS)

Method:	8270C	Analysis Batch: 220-45500	Instrument ID:	MSC
Preparation:	3541	Prep Batch: 220-45414	Lab File ID:	C20735.D
Dilution:	1.0		Initial Weight/Volume:	15.05 g
Date Analyzed:	11/24/2010 1731		Final Weight/Volume:	1 mL
Date Prepared:	11/23/2010 0946		Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Naphthalene		330	U	17	330
2-Nitroaniline		810	U	20	810
3-Nitroaniline		810	U	10	810
4-Nitroaniline		330	U	25	330
Nitrobenzene		330	U	21	330
2-Nitrophenol		330	U	21	330
4-Nitrophenol		2100	U	25	2100
N-Nitrosodiphenylamine		330	U	18	330
N-Nitrosodi-n-propylamine		330	U	22	330
Pentachlorophenol		810	U	200	810
Pentachloronitrobenzene		400	U	72	400
Phenanthrene		330	U	16	330
Phenol		330	U	22	330
Pyrene		330	U	15	330
Pyridine		1600	U	360	1600
1,2,4,5-Tetrachlorobenzene		400	U *	52	400
1,2,4-Trichlorobenzene		330	U	22	330
2,4,5-Trichlorophenol		2100	U	17	2100
2,4,6-Trichlorophenol		330	U	9.0	330

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	75		30 - 130
2-Fluorobiphenyl	76		30 - 130
2-Fluorophenol (Surr)	67		30 - 130
Nitrobenzene-d5 (Surr)	75		30 - 130
Phenol-d5 (Surr)	70		30 - 130
Terphenyl-d14 (Surr)	89		30 - 130

Client: CHA Inc

Job Number: 220-14062-1

Client Sample ID: GP-6 (4-5)

Lab Sample ID: 220-14062-6
Client Matrix: Solid

% Moisture: 21.7

Date Sampled: 11/18/2010 1355
Date Received: 11/18/2010 1655

8270C Semivolatile Compounds (GC/MS)

Method:	8270C	Analysis Batch: 220-45500		Instrument ID:	MSC
Preparation:	3541	Prep Batch: 220-45414		Lab File ID:	C20736.D
Dilution:	1.0			Initial Weight/Volume:	15.06 g
Date Analyzed:	11/24/2010 1801			Final Weight/Volume:	1 mL
Date Prepared:	11/23/2010 0946			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acenaphthene		340	U	20	340
Acenaphthylene		340	U	17	340
Aniline		340	U	45	340
Anthracene		340	U	13	340
Benzo[a]anthracene		340	U	12	340
Benzo[b]fluoranthene		340	U	9.2	340
Benzo[g,h,i]perylene		510		22	340
Benzo[k]fluoranthene		340	U	31	340
Benzo[a]pyrene		340	U	9.3	340
Bis(2-chloroethyl)ether		340	U	18	340
Bis(2-chloroethoxy)methane		340	U	16	340
2,2'-oxybis[1-chloropropane]		340	U	18	340
Bis(2-ethylhexyl) phthalate		340	U	33	340
4-Bromophenyl phenyl ether		340	U	22	340
Butyl benzyl phthalate		340	U	19	340
Carbazole		340	U	19	340
4-Chloroaniline		340	U	56	340
4-Chloro-3-methylphenol		340	U	14	340
2-Chloronaphthalene		340	U	15	340
2-Chlorophenol		340	U	20	340
4-Chlorophenyl phenyl ether		340	U	25	340
Chrysene		340	U	25	340
Dibenzofuran		340	U	24	340
Dibenz(a,h)anthracene		360		27	340
3,3'-Dichlorobenzidine		420	U	71	420
2,4-Dichlorophenol		340	U	18	340
Diethyl phthalate		340	U	35	340
2,4-Dimethylphenol		340	U	17	340
Dimethyl phthalate		340	U	20	340
Di-n-butyl phthalate		340	U	50	340
4,6-Dinitro-2-methylphenol		2200	U	150	2200
2,4-Dinitrophenol		2200	U	100	2200
2,4-Dinitrotoluene		340	U	27	340
2,6-Dinitrotoluene		340	U	10	340
Di-n-octyl phthalate		340	U	19	340
Fluoranthene		370		17	340
Fluorene		340	U	21	340
Hexachlorobenzene		340	U	24	340
Hexachlorobutadiene		340	U	26	340
Hexachlorocyclopentadiene		850	U	160	850
Hexachloroethane		340	U	20	340
Indeno[1,2,3-cd]pyrene		540		22	340
Isophorone		340	U	19	340
2-Methylnaphthalene		340	U	9.8	340
2-Methylphenol		340	U	21	340
4-Methylphenol		340	U	23	340

Client: CHA Inc | Job Number: 220-14062-1

Client Sample ID: **GP-6 (4-5)**

Lab Sample ID: 220-14062-6 | Date Sampled: 11/18/2010 1355
Client Matrix: Solid | % Moisture: 21.7 | Date Received: 11/18/2010 1655

8270C Semivolatile Compounds (GC/MS)

Method:	8270C	Analysis Batch: 220-45500		Instrument ID:	MSC
Preparation:	3541	Prep Batch: 220-45414		Lab File ID:	C20736.D
Dilution:	1.0			Initial Weight/Volume:	15.06 g
Date Analyzed:	11/24/2010 1801			Final Weight/Volume:	1 mL
Date Prepared:	11/23/2010 0946			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Naphthalene		340	U	18	340
2-Nitroaniline		850	U	21	850
3-Nitroaniline		850	U	11	850
4-Nitroaniline		340	U	26	340
Nitrobenzene		340	U	22	340
2-Nitrophenol		340	U	22	340
4-Nitrophenol		2200	U	26	2200
N-Nitrosodiphenylamine		340	U	19	340
N-Nitrosodi-n-propylamine		340	U	23	340
Pentachlorophenol		850	U	210	850
Pentachloronitrobenzene		420	U	75	420
Phenanthrene		590		17	340
Phenol		340	U	23	340
Pyrene		340	U	16	340
Pyridine		1700	U	380	1700
1,2,4,5-Tetrachlorobenzene		420	U *	55	420
1,2,4-Trichlorobenzene		340	U	23	340
2,4,5-Trichlorophenol		2200	U	17	2200
2,4,6-Trichlorophenol		340	U	9.4	340

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	88		30 - 130
2-Fluorobiphenyl	79		30 - 130
2-Fluorophenol (Surr)	75		30 - 130
Nitrobenzene-d5 (Surr)	79		30 - 130
Phenol-d5 (Surr)	75		30 - 130
Terphenyl-d14 (Surr)	87		30 - 130

Client Sample ID: **GP-7 (4-4.8)**

Lab Sample ID: 220-14062-7 Date Sampled: 11/18/2010 1430
Client Matrix: Solid % Moisture: 23.5 Date Received: 11/18/2010 1655

8270C Semivolatile Compounds (GC/MS)

Method:	8270C	Analysis Batch: 220-45500		Instrument ID:	MSC
Preparation:	3541	Prep Batch: 220-45414		Lab File ID:	C20737.D
Dilution:	1.0			Initial Weight/Volume:	15.07 g
Date Analyzed:	11/24/2010 1831			Final Weight/Volume:	1 mL
Date Prepared:	11/23/2010 0946			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acenaphthene		350	U	21	350
Acenaphthylene		350	U	17	350
Aniline		350	U	46	350
Anthracene		350	U	14	350
Benzo[a]anthracene		350	U	12	350
Benzo[b]fluoranthene		350	U	9.4	350
Benzo[g,h,i]perylene		590		23	350
Benzo[k]fluoranthene		350	U	31	350
Benzo[a]pyrene		350	U	9.5	350
Bis(2-chloroethyl)ether		350	U	18	350
Bis(2-chloroethoxy)methane		350	U	16	350
2,2'-oxybis[1-chloropropane]		350	U	18	350
Bis(2-ethylhexyl) phthalate		350	U	34	350
4-Bromophenyl phenyl ether		350	U	23	350
Butyl benzyl phthalate		350	U	20	350
Carbazole		350	U	20	350
4-Chloroaniline		350	U	57	350
4-Chloro-3-methylphenol		350	U	14	350
2-Chloronaphthalene		350	U	15	350
2-Chlorophenol		350	U	20	350
4-Chlorophenyl phenyl ether		350	U	26	350
Chrysene		350	U	26	350
Dibenzofuran		350	U	25	350
Dibenz(a,h)anthracene		350	U	28	350
3,3'-Dichlorobenzidine		430	U	72	430
2,4-Dichlorophenol		350	U	19	350
Diethyl phthalate		350	U	35	350
2,4-Dimethylphenol		350	U	17	350
Dimethyl phthalate		350	U	20	350
Di-n-butyl phthalate		350	U	51	350
4,6-Dinitro-2-methylphenol		2200	U	150	2200
2,4-Dinitrophenol		2200	U	110	2200
2,4-Dinitrotoluene		350	U	28	350
2,6-Dinitrotoluene		350	U	10	350
Di-n-octyl phthalate		350	U	20	350
Fluoranthene		530		17	350
Fluorene		350	U	21	350
Hexachlorobenzene		350	U	24	350
Hexachlorobutadiene		350	U	27	350
Hexachlorocyclopentadiene		870	U	170	870
Hexachloroethane		350	U	20	350
Indeno[1,2,3-cd]pyrene		620		23	350
Isophorone		350	U	19	350
2-Methylnaphthalene		350	U	10	350
2-Methylphenol		350	U	21	350
4-Methylphenol		350	U	23	350

Client: CHA Inc

Job Number: 220-14062-1

Client Sample ID: GP-7 (4-4.8)

Lab Sample ID: 220-14062-7
Client Matrix: Solid
% Moisture: 23.5

Date Sampled: 11/18/2010 1430
Date Received: 11/18/2010 1655

8270C Semivolatile Compounds (GC/MS)

Method:	8270C	Analysis Batch: 220-45500		Instrument ID:	MSC
Preparation:	3541	Prep Batch: 220-45414		Lab File ID:	C20737.D
Dilution:	1.0			Initial Weight/Volume:	15.07 g
Date Analyzed:	11/24/2010 1831			Final Weight/Volume:	1 mL
Date Prepared:	11/23/2010 0946			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Naphthalene		350	U	18	350
2-Nitroaniline		870	U	21	870
3-Nitroaniline		870	U	11	870
4-Nitroaniline		350	U	27	350
Nitrobenzene		350	U	22	350
2-Nitrophenol		350	U	22	350
4-Nitrophenol		2200	U	27	2200
N-Nitrosodiphenylamine		350	U	20	350
N-Nitrosodi-n-propylamine		350	U	24	350
Pentachlorophenol		870	U	210	870
Pentachloronitrobenzene		430	U	77	430
Phenanthrene		410		17	350
Phenol		350	U	23	350
Pyrene		550		17	350
Pyridine		1700	U	380	1700
1,2,4,5-Tetrachlorobenzene		430	U *	56	430
1,2,4-Trichlorobenzene		350	U	23	350
2,4,5-Trichlorophenol		2200	U	18	2200
2,4,6-Trichlorophenol		350	U	9.6	350

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	85		30 - 130
2-Fluorobiphenyl	77		30 - 130
2-Fluorophenol (Surr)	73		30 - 130
Nitrobenzene-d5 (Surr)	75		30 - 130
Phenol-d5 (Surr)	73		30 - 130
Terphenyl-d14 (Surr)	89		30 - 130

Client: CHA Inc

Job Number: 220-14062-1

Client Sample ID: GP-8 (1-2)

Lab Sample ID: 220-14062-8
Client Matrix: Solid

% Moisture: 22.7

Date Sampled: 11/18/2010 1510
Date Received: 11/18/2010 1655

8270C Semivolatile Compounds (GC/MS)

Method:	8270C	Analysis Batch: 220-45500		Instrument ID:	MSC
Preparation:	3541	Prep Batch: 220-45414		Lab File ID:	C20738.D
Dilution:	1.0			Initial Weight/Volume:	15.01 g
Date Analyzed:	11/24/2010 1900			Final Weight/Volume:	1 mL
Date Prepared:	11/23/2010 0946			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acenaphthene		350	U	21	350
Acenaphthylene		350	U	17	350
Aniline		350	U	46	350
Anthracene		350	U	14	350
Benzo[a]anthracene		350	U	12	350
Benzo[b]fluoranthene		350	U	9.3	350
Benzo[g,h,i]perylene		350	U	23	350
Benzo[k]fluoranthene		350	U	31	350
Benzo[a]pyrene		350	U	9.4	350
Bis(2-chloroethyl)ether		350	U	18	350
Bis(2-chloroethoxy)methane		350	U	16	350
2,2'-oxybis[1-chloropropane]		350	U	18	350
Bis(2-ethylhexyl) phthalate		350	U	34	350
4-Bromophenyl phenyl ether		350	U	22	350
Butyl benzyl phthalate		350	U	20	350
Carbazole		350	U	19	350
4-Chloroaniline		350	U	57	350
4-Chloro-3-methylphenol		350	U	14	350
2-Chloronaphthalene		350	U	15	350
2-Chlorophenol		350	U	20	350
4-Chlorophenyl phenyl ether		350	U	26	350
Chrysene		350	U	26	350
Dibenzofuran		350	U	25	350
Dibenz(a,h)anthracene		350	U	27	350
3,3'-Dichlorobenzidine		430	U	72	430
2,4-Dichlorophenol		350	U	19	350
Diethyl phthalate		350	U	35	350
2,4-Dimethylphenol		350	U	17	350
Dimethyl phthalate		350	U	20	350
Di-n-butyl phthalate		350	U	51	350
4,6-Dinitro-2-methylphenol		2200	U	150	2200
2,4-Dinitrophenol		2200	U	100	2200
2,4-Dinitrotoluene		350	U	28	350
2,6-Dinitrotoluene		350	U	10	350
Di-n-octyl phthalate		350	U	20	350
Fluoranthene		350	U	17	350
Fluorene		350	U	21	350
Hexachlorobenzene		350	U	24	350
Hexachlorobutadiene		350	U	27	350
Hexachlorocyclopentadiene		870	U	160	870
Hexachloroethane		350	U	20	350
Indeno[1,2,3-cd]pyrene		520		23	350
Isophorone		350	U	19	350
2-Methylnaphthalene		350	U	10	350
2-Methylphenol		350	U	21	350
4-Methylphenol		350	U	23	350

Client: CHA Inc

Job Number: 220-14062-1

Client Sample ID: GP-8 (1-2)

Lab Sample ID: 220-14062-8
Client Matrix: Solid

% Moisture: 22.7

Date Sampled: 11/18/2010 1510
Date Received: 11/18/2010 1655

8270C Semivolatile Compounds (GC/MS)

Method:	8270C	Analysis Batch: 220-45500	Instrument ID: MSC
Preparation:	3541	Prep Batch: 220-45414	Lab File ID: C20738.D
Dilution:	1.0		Initial Weight/Volume: 15.01 g
Date Analyzed:	11/24/2010 1900		Final Weight/Volume: 1 mL
Date Prepared:	11/23/2010 0946		Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Naphthalene		350	U	18	350
2-Nitroaniline		870	U	21	870
3-Nitroaniline		870	U	11	870
4-Nitroaniline		350	U	27	350
Nitrobenzene		350	U	22	350
2-Nitrophenol		350	U	22	350
4-Nitrophenol		2200	U	26	2200
N-Nitrosodiphenylamine		350	U	20	350
N-Nitrosodi-n-propylamine		350	U	24	350
Pentachlorophenol		870	U	210	870
Pentachloronitrobenzene		430	U	76	430
Phenanthrene		350	U	17	350
Phenol		350	U	23	350
Pyrene		350	U	16	350
Pyridine		1700	U	380	1700
1,2,4,5-Tetrachlorobenzene		430	U *	56	430
1,2,4-Trichlorobenzene		350	U	23	350
2,4,5-Trichlorophenol		2200	U	18	2200
2,4,6-Trichlorophenol		350	U	9.6	350

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	81		30 - 130
2-Fluorobiphenyl	76		30 - 130
2-Fluorophenol (Surr)	74		30 - 130
Nitrobenzene-d5 (Surr)	76		30 - 130
Phenol-d5 (Surr)	74		30 - 130
Terphenyl-d14 (Surr)	88		30 - 130

Client: CHA Inc

Job Number: 220-14062-1

Client Sample ID: **GP-3 (2-3)**

Lab Sample ID: 220-14062-10
Client Matrix: Solid

Date Sampled: 11/18/2010 1140
Date Received: 11/18/2010 1655

8270C Semivolatile Compounds (GC/MS)-TCLP

Method:	8270C	Analysis Batch: 220-45545		Instrument ID:	MSC
Preparation:	3510C	Prep Batch: 220-45471		Lab File ID:	C20746.D
Dilution:	1.0	Leachate Batch: 220-45376		Initial Weight/Volume:	500 mL
Date Analyzed:	11/29/2010 1004			Final Weight/Volume:	1 mL
Date Prepared:	11/24/2010 0906			Injection Volume:	1 uL
Date Leached:	11/22/2010 1212				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Pyridine		0.040	U	0.0077	0.040
1,4-Dichlorobenzene		0.020	U	0.00062	0.020
2-Methylphenol		0.020	U	0.00048	0.020
Hexachloroethane		0.020	U	0.00074	0.020
Methylphenol, 3 & 4		0.020	U	0.00058	0.020
Nitrobenzene		0.020	U	0.00056	0.020
Hexachlorobutadiene		0.020	U	0.00040	0.020
2,4,6-Trichlorophenol		0.020	U	0.00074	0.020
2,4,5-Trichlorophenol		0.10	U	0.00056	0.10
2,4-Dinitrotoluene		0.020	U	0.00080	0.020
Hexachlorobenzene		0.020	U	0.00066	0.020
Pentachlorophenol		0.10	U	0.00062	0.10

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	72		30 - 130
2-Fluorophenol (Surr)	52		15 - 110
Phenol-d5 (Surr)	41		15 - 110
Nitrobenzene-d5 (Surr)	71		30 - 130
2,4,6-Tribromophenol (Surr)	89		15 - 110
Terphenyl-d14 (Surr)	91		30 - 130

Client: CHA Inc

Job Number: 220-14062-1

Client Sample ID: GP-2

Lab Sample ID: 220-14062-11
Client Matrix: Water

Date Sampled: 11/18/2010 1535
Date Received: 11/18/2010 1655

8270C Semivolatile Compounds (GC/MS)

Method:	8270C	Analysis Batch: 220-45473		Instrument ID:	MSC
Preparation:	3510C	Prep Batch: 220-45363		Lab File ID:	C20706.D
Dilution:	1.0			Initial Weight/Volume:	920 mL
Date Analyzed:	11/23/2010 1641			Final Weight/Volume:	1.0 mL
Date Prepared:	11/22/2010 1055			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	4.3	U	0.34	4.3
Acenaphthylene	7.0		0.37	4.3
Aniline	4.3	U	0.66	4.3
Anthracene	4.3	U	0.32	4.3
Benzo[a]anthracene	4.3	U	0.33	4.3
Benzo[b]fluoranthene	4.3	U	0.39	4.3
Benzo[g,h,i]perylene	4.3	U	0.39	4.3
Benzo[k]fluoranthene	4.3	U	0.43	4.3
Benzo[a]pyrene	4.3	U	0.38	4.3
Bis(2-chloroethyl)ether	4.3	U	0.32	4.3
Bis(2-chloroethoxy)methane	4.3	U	0.34	4.3
2,2'-oxybis[1-chloropropane]	4.3	U	0.27	4.3
Bis(2-ethylhexyl) phthalate	4.3	U	0.59	4.3
4-Bromophenyl phenyl ether	4.3	U	0.48	4.3
Butyl benzyl phthalate	4.3	U	0.38	4.3
Carbazole	13		0.36	4.3
4-Chloroaniline	4.3	U	0.32	4.3
4-Chloro-3-methylphenol	5.4	U	0.37	5.4
2-Chloronaphthalene	4.3	U	0.42	4.3
2-Chlorophenol	4.3	U	0.25	4.3
4-Chlorophenyl phenyl ether	4.3	U	0.38	4.3
Chrysene	4.3	U	0.27	4.3
Dibenzofuran	5.7		0.47	4.3
Dibenz(a,h)anthracene	4.3	U	0.41	4.3
3,3'-Dichlorobenzidine	4.3	U	0.39	4.3
2,4-Dichlorophenol	4.3	U	0.36	4.3
Diethyl phthalate	4.3	U	0.47	4.3
2,4-Dimethylphenol	4.3	U	0.36	4.3
Dimethyl phthalate	4.3	U	0.41	4.3
Di-n-butyl phthalate	4.3	U	0.38	4.3
4,6-Dinitro-2-methylphenol	27	U	2.0	27
2,4-Dinitrophenol	27	U	0.47	27
2,4-Dinitrotoluene	4.3	U	0.43	4.3
2,6-Dinitrotoluene	4.3	U	0.28	4.3
Di-n-octyl phthalate	4.3	U	0.41	4.3
Fluoranthene	4.4		0.34	4.3
Fluorene	9.7		0.28	4.3
Hexachlorobenzene	4.3	U	0.36	4.3
Hexachlorobutadiene	4.3	U	0.22	4.3
Hexachlorocyclopentadiene	4.3	U	0.38	4.3
Hexachloroethane	4.3	U	0.40	4.3
Indeno[1,2,3-cd]pyrene	4.3	U	0.30	4.3
Isophorone	4.3	U	0.34	4.3
2-Methylnaphthalene	15		0.29	4.3
2-Methylphenol	4.3	U	0.26	4.3
Methylphenol, 3 & 4	5.9		0.32	4.3

Client: CHA Inc

Job Number: 220-14062-1

Client Sample ID: GP-2

Lab Sample ID: 220-14062-11
Client Matrix: Water

Date Sampled: 11/18/2010 1535
Date Received: 11/18/2010 1655

8270C Semivolatile Compounds (GC/MS)

Method:	8270C	Analysis Batch: 220-45473	Instrument ID: MSC
Preparation:	3510C	Prep Batch: 220-45363	Lab File ID: C20706.D
Dilution:	1.0		Initial Weight/Volume: 920 mL
Date Analyzed:	11/23/2010 1641		Final Weight/Volume: 1.0 mL
Date Prepared:	11/22/2010 1055		Injection Volume: 1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Naphthalene	44		0.33	4.3
2-Nitroaniline	4.3	U	0.37	4.3
3-Nitroaniline	4.3	U	0.25	4.3
4-Nitroaniline	4.3	U	0.22	4.3
Nitrobenzene	4.3	U	0.30	4.3
2-Nitrophenol	4.3	U	0.29	4.3
4-Nitrophenol	11	U	1.6	11
N-Nitrosodiphenylamine	4.3	U	0.36	4.3
N-Nitrosodi-n-propylamine	4.3	U	0.36	4.3
Pentachlorophenol	27	U	0.34	27
Pentachloronitrobenzene	11	U	1.3	11
Phenanthrene	18		0.30	4.3
Phenol	4.3	U	0.21	4.3
Pyrene	4.3	U	0.36	4.3
Pyridine	22	U *	4.2	22
1,2,4,5-Tetrachlorobenzene	11	U	1.5	11
1,2,4-Trichlorobenzene	4.3	U	0.39	4.3
2,4,5-Trichlorophenol	11	U	0.30	11
2,4,6-Trichlorophenol	4.3	U	0.40	4.3

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	75		15 - 110
2-Fluorobiphenyl	65		30 - 130
2-Fluorophenol (Surr)	41		15 - 110
Nitrobenzene-d5 (Surr)	68		30 - 130
Phenol-d5 (Surr)	28		15 - 110
Terphenyl-d14 (Surr)	95		30 - 130

Client: CHA Inc

Job Number: 220-14062-1

Client Sample ID: **GP-1 (4-4.8)**

Lab Sample ID: 220-14062-1
Client Matrix: Solid
% Moisture: 17.4

Date Sampled: 11/18/2010 0950
Date Received: 11/18/2010 1655

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-57038	Instrument ID: PESTGC4
Preparation:	3541	Prep Batch: 460-56994	Initial Weight/Volume: 15.00 g
Dilution:	1.0		Final Weight/Volume: 10 mL
Date Analyzed:	11/30/2010 0713		Injection Volume: 1 uL
Date Prepared:	11/29/2010 2345		Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		8.1	U	0.97	8.1
4,4'-DDE		8.1	U	1.6	8.1
4,4'-DDT		8.1	U	1.0	8.1
Aldrin		8.1	U	1.8	8.1
alpha-BHC		8.1	U	1.5	8.1
beta-BHC		8.1	U	1.1	8.1
Chlordane (technical)		81	U	18	81
delta-BHC		8.1	U	1.2	8.1
Dieldrin		8.1	U	1.6	8.1
Endosulfan I		8.1	U	1.7	8.1
Endosulfan II		8.1	U	1.2	8.1
Endosulfan sulfate		8.1	U	1.0	8.1
Endrin		8.1	U	1.1	8.1
Endrin aldehyde		8.1	U	2.0	8.1
Endrin ketone		8.1	U	1.2	8.1
gamma-BHC (Lindane)		8.1	U	0.94	8.1
Heptachlor		8.1	U	1.2	8.1
Heptachlor epoxide		8.1	U	1.6	8.1
Methoxychlor		8.1	U	0.91	8.1
Toxaphene		81	U	17	81

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	80		30 - 150
DCB Decachlorobiphenyl	100		30 - 150

Client: CHA Inc

Job Number: 220-14062-1

Client Sample ID: GP-1 (4-4.8)

Lab Sample ID: 220-14062-1
Client Matrix: Solid

% Moisture: 17.4

Date Sampled: 11/18/2010 0950
Date Received: 11/18/2010 1655

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-57038	Instrument ID: PESTGC4
Preparation:	3541	Prep Batch: 460-56994	Initial Weight/Volume: 15.00 g
Dilution:	1.0		Final Weight/Volume: 10 mL
Date Analyzed:	11/30/2010 0713		Injection Volume: 1 uL
Date Prepared:	11/29/2010 2345		Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	75		30 - 150
DCB Decachlorobiphenyl	98		30 - 150

Client: CHA Inc

Job Number: 220-14062-1

Client Sample ID: **GP-2 (4.4-5)**

Lab Sample ID: 220-14062-2
Client Matrix: Solid

% Moisture: 30.3

Date Sampled: 11/18/2010 1035
Date Received: 11/18/2010 1655

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-57038	Instrument ID: PESTGC4
Preparation:	3541	Prep Batch: 460-56994	Initial Weight/Volume: 15.01 g
Dilution:	1.0		Final Weight/Volume: 10 mL
Date Analyzed:	11/30/2010 0727		Injection Volume: 1 uL
Date Prepared:	11/29/2010 2345		Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		9.6	U	1.1	9.6
4,4'-DDE		9.6	U	1.9	9.6
4,4'-DDT		9.6	U	1.2	9.6
Aldrin		9.6	U	2.1	9.6
alpha-BHC		9.6	U	1.8	9.6
beta-BHC		9.6	U	1.3	9.6
Chlordane (technical)		96	U	21	96
delta-BHC		9.6	U	1.5	9.6
Dieldrin		9.6	U	1.8	9.6
Endosulfan I		9.6	U	2.0	9.6
Endosulfan II		9.6	U	1.4	9.6
Endosulfan sulfate		9.6	U	1.2	9.6
Endrin		9.6	U	1.3	9.6
Endrin aldehyde		9.6	U	2.4	9.6
Endrin ketone		9.6	U	1.4	9.6
gamma-BHC (Lindane)		9.6	U	1.1	9.6
Heptachlor		9.6	U	1.4	9.6
Heptachlor epoxide		9.6	U	1.9	9.6
Methoxychlor		9.6	U	1.1	9.6
Toxaphene		96	U	20	96

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	79		30 - 150
DCB Decachlorobiphenyl	100		30 - 150

Client: CHA Inc

Job Number: 220-14062-1

Client Sample ID: GP-2 (4.4-5)

Lab Sample ID: 220-14062-2
Client Matrix: Solid

% Moisture: 30.3

Date Sampled: 11/18/2010 1035
Date Received: 11/18/2010 1655

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-57038	Instrument ID: PESTGC4
Preparation:	3541	Prep Batch: 460-56994	Initial Weight/Volume: 15.01 g
Dilution:	1.0		Final Weight/Volume: 10 mL
Date Analyzed:	11/30/2010 0727		Injection Volume: 1 uL
Date Prepared:	11/29/2010 2345		Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	73		30 - 150
DCB Decachlorobiphenyl	99		30 - 150

Client: CHA Inc

Job Number: 220-14062-1

Client Sample ID: **GP-3 (2-2.7)**

Lab Sample ID: 220-14062-3
Client Matrix: Solid

% Moisture: 13.6

Date Sampled: 11/18/2010 1130
Date Received: 11/18/2010 1655

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-57038	Instrument ID: PESTGC4
Preparation:	3541	Prep Batch: 460-56994	Initial Weight/Volume: 15.03 g
Dilution:	1.0		Final Weight/Volume: 10 mL
Date Analyzed:	11/30/2010 0741		Injection Volume: 1 uL
Date Prepared:	11/29/2010 2345		Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		7.7	U	0.92	7.7
4,4'-DDE		7.7	U	1.5	7.7
4,4'-DDT		7.7	U	0.97	7.7
Aldrin		7.7	U	1.7	7.7
alpha-BHC		7.7	U	1.4	7.7
beta-BHC		7.7	U	1.1	7.7
Chlordane (technical)		77	U	17	77
delta-BHC		7.7	U	1.2	7.7
Dieldrin		7.7	U	1.5	7.7
Endosulfan I		7.7	U	1.6	7.7
Endosulfan II		7.7	U	1.2	7.7
Endosulfan sulfate		7.7	U	0.99	7.7
Endrin		7.7	U	1.1	7.7
Endrin aldehyde		7.7	U	1.9	7.7
Endrin ketone		7.7	U	1.1	7.7
gamma-BHC (Lindane)		7.7	U	0.90	7.7
Heptachlor		7.7	U	1.1	7.7
Heptachlor epoxide		7.7	U	1.6	7.7
Methoxychlor		7.7	U	0.87	7.7
Toxaphene		77	U	16	77

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	92		30 - 150
DCB Decachlorobiphenyl	109		30 - 150

Client: CHA Inc

Job Number: 220-14062-1

Client Sample ID: GP-3 (2-2.7)

Lab Sample ID: 220-14062-3
Client Matrix: Solid

% Moisture: 13.6

Date Sampled: 11/18/2010 1130
Date Received: 11/18/2010 1655

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-57038	Instrument ID: PESTGC4
Preparation:	3541	Prep Batch: 460-56994	Initial Weight/Volume: 15.03 g
Dilution:	1.0		Final Weight/Volume: 10 mL
Date Analyzed:	11/30/2010 0741		Injection Volume: 1 uL
Date Prepared:	11/29/2010 2345		Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	91		30 - 150
DCB Decachlorobiphenyl	100		30 - 150

Client: CHA Inc

Job Number: 220-14062-1

Client Sample ID: **GP-4 (8-9.2)**

Lab Sample ID: 220-14062-4
Client Matrix: Solid
% Moisture: 12.7

Date Sampled: 11/18/2010 1225
Date Received: 11/18/2010 1655

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-57038	Instrument ID: PESTGC4
Preparation:	3541	Prep Batch: 460-56994	Initial Weight/Volume: 14.98 g
Dilution:	1.0		Final Weight/Volume: 10 mL
Date Analyzed:	11/30/2010 0755		Injection Volume: 1 uL
Date Prepared:	11/29/2010 2345		Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		7.7	U	0.92	7.7
4,4'-DDE		7.7	U	1.5	7.7
4,4'-DDT		7.7	U	0.96	7.7
Aldrin		7.7	U	1.7	7.7
alpha-BHC		7.7	U	1.4	7.7
beta-BHC		7.7	U	1.0	7.7
Chlordane (technical)		77	U	17	77
delta-BHC		7.7	U	1.2	7.7
Dieldrin		7.7	U	1.5	7.7
Endosulfan I		7.7	U	1.6	7.7
Endosulfan II		7.7	U	1.2	7.7
Endosulfan sulfate		7.7	U	0.99	7.7
Endrin		7.7	U	1.1	7.7
Endrin aldehyde		7.7	U	1.9	7.7
Endrin ketone		7.7	U	1.1	7.7
gamma-BHC (Lindane)		7.7	U	0.89	7.7
Heptachlor		7.7	U	1.1	7.7
Heptachlor epoxide		7.7	U	1.5	7.7
Methoxychlor		7.7	U	0.86	7.7
Toxaphene		77	U	16	77

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	89		30 - 150
DCB Decachlorobiphenyl	84		30 - 150

Client: CHA Inc

Job Number: 220-14062-1

Client Sample ID: GP-4 (8-9.2)

Lab Sample ID: 220-14062-4
Client Matrix: Solid

% Moisture: 12.7

Date Sampled: 11/18/2010 1225
Date Received: 11/18/2010 1655

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-57038	Instrument ID: PESTGC4
Preparation:	3541	Prep Batch: 460-56994	Initial Weight/Volume: 14.98 g
Dilution:	1.0		Final Weight/Volume: 10 mL
Date Analyzed:	11/30/2010 0755		Injection Volume: 1 uL
Date Prepared:	11/29/2010 2345		Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	85		30 - 150
DCB Decachlorobiphenyl	75		30 - 150

Client: CHA Inc

Job Number: 220-14062-1

Client Sample ID: **GP-5 (1-1.5)**

Lab Sample ID: 220-14062-5
Client Matrix: Solid

% Moisture: 18.0

Date Sampled: 11/18/2010 1340
Date Received: 11/18/2010 1655

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-57038	Instrument ID: PESTGC4
Preparation:	3541	Prep Batch: 460-56994	Initial Weight/Volume: 15.02 g
Dilution:	1.0		Final Weight/Volume: 10 mL
Date Analyzed:	11/30/2010 0809		Injection Volume: 1 uL
Date Prepared:	11/29/2010 2345		Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		8.2	U	0.97	8.2
4,4'-DDE		8.2	U	1.6	8.2
4,4'-DDT		8.2	U	1.0	8.2
Aldrin		8.2	U	1.8	8.2
alpha-BHC		8.2	U	1.5	8.2
beta-BHC		8.2	U	1.1	8.2
Chlordane (technical)		82	U	18	82
delta-BHC		8.2	U	1.2	8.2
Dieldrin		8.2	U	1.6	8.2
Endosulfan I		8.2	U	1.7	8.2
Endosulfan II		8.2	U	1.2	8.2
Endosulfan sulfate		8.2	U	1.0	8.2
Endrin		8.2	U	1.1	8.2
Endrin aldehyde		8.2	U	2.0	8.2
Endrin ketone		8.2	U	1.2	8.2
gamma-BHC (Lindane)		8.2	U	0.95	8.2
Heptachlor		8.2	U	1.2	8.2
Heptachlor epoxide		8.2	U	1.6	8.2
Methoxychlor		8.2	U	0.91	8.2
Toxaphene		82	U	17	82

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	87		30 - 150
DCB Decachlorobiphenyl	80		30 - 150

Client: CHA Inc

Job Number: 220-14062-1

Client Sample ID: **GP-5 (1-1.5)**

Lab Sample ID: 220-14062-5
Client Matrix: Solid

% Moisture: 18.0

Date Sampled: 11/18/2010 1340
Date Received: 11/18/2010 1655

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-57038	Instrument ID: PESTGC4
Preparation:	3541	Prep Batch: 460-56994	Initial Weight/Volume: 15.02 g
Dilution:	1.0		Final Weight/Volume: 10 mL
Date Analyzed:	11/30/2010 0809		Injection Volume: 1 uL
Date Prepared:	11/29/2010 2345		Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	84		30 - 150
DCB Decachlorobiphenyl	80		30 - 150

Client: CHA Inc

Job Number: 220-14062-1

Client Sample ID: **GP-6 (4-5)**

Lab Sample ID: 220-14062-6
Client Matrix: Solid

% Moisture: 21.7

Date Sampled: 11/18/2010 1355
Date Received: 11/18/2010 1655

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-57038	Instrument ID: PESTGC4
Preparation:	3541	Prep Batch: 460-56994	Initial Weight/Volume: 15.01 g
Dilution:	1.0		Final Weight/Volume: 10 mL
Date Analyzed:	11/30/2010 0822		Injection Volume: 1 uL
Date Prepared:	11/29/2010 2345		Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		8.5	U	1.0	8.5
4,4'-DDE		8.5	U	1.7	8.5
4,4'-DDT		8.5	U	1.1	8.5
Aldrin		8.5	U	1.9	8.5
alpha-BHC		8.5	U	1.6	8.5
beta-BHC		8.5	U	1.2	8.5
Chlordane (technical)		85	U	18	85
delta-BHC		8.5	U	1.3	8.5
Dieldrin		8.5	U	1.6	8.5
Endosulfan I		8.5	U	1.8	8.5
Endosulfan II		8.5	U	1.3	8.5
Endosulfan sulfate		8.5	U	1.1	8.5
Endrin		8.5	U	1.2	8.5
Endrin aldehyde		8.5	U	2.1	8.5
Endrin ketone		8.5	U	1.3	8.5
gamma-BHC (Lindane)		8.5	U	1.0	8.5
Heptachlor		8.5	U	1.2	8.5
Heptachlor epoxide		8.5	U	1.7	8.5
Methoxychlor		8.5	U	0.96	8.5
Toxaphene		85	U	18	85

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	90		30 - 150
DCB Decachlorobiphenyl	86		30 - 150

Client: CHA Inc

Job Number: 220-14062-1

Client Sample ID: GP-6 (4-5)

Lab Sample ID: 220-14062-6
Client Matrix: Solid

% Moisture: 21.7

Date Sampled: 11/18/2010 1355
Date Received: 11/18/2010 1655

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-57038	Instrument ID: PESTGC4
Preparation:	3541	Prep Batch: 460-56994	Initial Weight/Volume: 15.01 g
Dilution:	1.0		Final Weight/Volume: 10 mL
Date Analyzed:	11/30/2010 0822		Injection Volume: 1 uL
Date Prepared:	11/29/2010 2345		Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	89		30 - 150
DCB Decachlorobiphenyl	85		30 - 150

Client: CHA Inc

Job Number: 220-14062-1

Client Sample ID: **GP-7 (4-4.8)**

Lab Sample ID: 220-14062-7
Client Matrix: Solid
% Moisture: 23.5

Date Sampled: 11/18/2010 1430
Date Received: 11/18/2010 1655

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-57038	Instrument ID: PESTGC4
Preparation:	3541	Prep Batch: 460-56994	Initial Weight/Volume: 15.01 g
Dilution:	1.0		Final Weight/Volume: 10 mL
Date Analyzed:	11/30/2010 0836		Injection Volume: 1 uL
Date Prepared:	11/29/2010 2345		Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		8.8	U	1.0	8.8
4,4'-DDE		8.8	U	1.7	8.8
4,4'-DDT		8.8	U	1.1	8.8
Aldrin		8.8	U	1.9	8.8
alpha-BHC		8.8	U	1.6	8.8
beta-BHC		8.8	U	1.2	8.8
Chlordane (technical)		88	U	19	88
delta-BHC		8.8	U	1.3	8.8
Dieldrin		8.8	U	1.7	8.8
Endosulfan I		8.8	U	1.8	8.8
Endosulfan II		8.8	U	1.3	8.8
Endosulfan sulfate		8.8	U	1.1	8.8
Endrin		8.8	U	1.2	8.8
Endrin aldehyde		8.8	U	2.2	8.8
Endrin ketone		8.8	U	1.3	8.8
gamma-BHC (Lindane)		8.8	U	1.0	8.8
Heptachlor		8.8	U	1.3	8.8
Heptachlor epoxide		8.8	U	1.8	8.8
Methoxychlor		8.8	U	0.98	8.8
Toxaphene		88	U	18	88

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	91		30 - 150
DCB Decachlorobiphenyl	99		30 - 150

Client: CHA Inc

Job Number: 220-14062-1

Client Sample ID: **GP-7 (4-4.8)**

Lab Sample ID: 220-14062-7
Client Matrix: Solid
% Moisture: 23.5

Date Sampled: 11/18/2010 1430
Date Received: 11/18/2010 1655

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-57038	Instrument ID: PESTGC4
Preparation:	3541	Prep Batch: 460-56994	Initial Weight/Volume: 15.01 g
Dilution:	1.0		Final Weight/Volume: 10 mL
Date Analyzed:	11/30/2010 0836		Injection Volume: 1 uL
Date Prepared:	11/29/2010 2345		Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	91		30 - 150
DCB Decachlorobiphenyl	92		30 - 150

Client: CHA Inc

Job Number: 220-14062-1

Client Sample ID: **GP-8 (1-2)**

Lab Sample ID: 220-14062-8
Client Matrix: Solid
% Moisture: 22.7

Date Sampled: 11/18/2010 1510
Date Received: 11/18/2010 1655

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-57038	Instrument ID: PESTGC4
Preparation:	3541	Prep Batch: 460-56994	Initial Weight/Volume: 15.00 g
Dilution:	1.0		Final Weight/Volume: 10 mL
Date Analyzed:	11/30/2010 0850		Injection Volume: 1 uL
Date Prepared:	11/29/2010 2345		Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		8.7	U	1.0	8.7
4,4'-DDE		8.7	U	1.7	8.7
4,4'-DDT		8.7	U	1.1	8.7
Aldrin		8.7	U	1.9	8.7
alpha-BHC		8.7	U	1.6	8.7
beta-BHC		8.7	U	1.2	8.7
Chlordane (technical)		87	U	19	87
delta-BHC		8.7	U	1.3	8.7
Dieldrin		8.7	U	1.7	8.7
Endosulfan I		8.7	U	1.8	8.7
Endosulfan II		8.7	U	1.3	8.7
Endosulfan sulfate		8.7	U	1.1	8.7
Endrin		8.7	U	1.2	8.7
Endrin aldehyde		8.7	U	2.2	8.7
Endrin ketone		8.7	U	1.3	8.7
gamma-BHC (Lindane)		8.7	U	1.0	8.7
Heptachlor		8.7	U	1.2	8.7
Heptachlor epoxide		8.7	U	1.7	8.7
Methoxychlor		8.7	U	0.97	8.7
Toxaphene		87	U	18	87

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	90		30 - 150
DCB Decachlorobiphenyl	105		30 - 150

Client: CHA Inc

Job Number: 220-14062-1

Client Sample ID: **GP-8 (1-2)**

Lab Sample ID: 220-14062-8
Client Matrix: Solid
% Moisture: 22.7

Date Sampled: 11/18/2010 1510
Date Received: 11/18/2010 1655

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 460-57038	Instrument ID: PESTGC4
Preparation:	3541	Prep Batch: 460-56994	Initial Weight/Volume: 15.00 g
Dilution:	1.0		Final Weight/Volume: 10 mL
Date Analyzed:	11/30/2010 0850		Injection Volume: 1 uL
Date Prepared:	11/29/2010 2345		Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	90		30 - 150
DCB Decachlorobiphenyl	97		30 - 150

Client: CHA Inc

Job Number: 220-14062-1

Client Sample ID: GP-2

Lab Sample ID: 220-14062-11
Client Matrix: Water

Date Sampled: 11/18/2010 1535
Date Received: 11/18/2010 1655

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 220-45554	Instrument ID: GC8
Preparation:	3510C	Prep Batch: 220-45458	Initial Weight/Volume: 960 mL
Dilution:	1.0		Final Weight/Volume: 10 mL
Date Analyzed:	11/27/2010 2003		Injection Volume: 1 uL
Date Prepared:	11/23/2010 1713		Result Type: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
4,4'-DDD	0.10	U	0.013	0.10
4,4'-DDE	0.10	U	0.012	0.10
4,4'-DDT	0.10	U	0.015	0.10
Aldrin	0.052	U	0.0074	0.052
alpha-BHC	0.052	U	0.0032	0.052
beta-BHC	0.052	U	0.0075	0.052
Chlordane (technical)	0.52	U	0.044	0.52
delta-BHC	0.052	U	0.0045	0.052
Dieldrin	0.10	U	0.013	0.10
Endosulfan I	0.052	U	0.0051	0.052
Endosulfan II	0.10	U	0.012	0.10
Endosulfan sulfate	0.10	U	0.012	0.10
Endrin	0.10	U	0.014	0.10
Endrin aldehyde	0.10	U	0.014	0.10
Endrin ketone	0.10	U	0.018	0.10
gamma-BHC (Lindane)	0.052	U	0.0057	0.052
Heptachlor	0.052	U	0.0064	0.052
Heptachlor epoxide	0.052	U	0.0057	0.052
Methoxychlor	0.52	U	0.085	0.52
Toxaphene	2.6	U	0.042	2.6

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	59		30 - 150
Tetrachloro-m-xylene	134		30 - 150

Client: CHA Inc

Job Number: 220-14062-1

Client Sample ID: **GP-2**

Lab Sample ID: 220-14062-11
Client Matrix: Water

Date Sampled: 11/18/2010 1535
Date Received: 11/18/2010 1655

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 220-45554	Instrument ID: GC8
Preparation:	3510C	Prep Batch: 220-45458	Initial Weight/Volume: 960 mL
Dilution:	1.0		Final Weight/Volume: 10 mL
Date Analyzed:	11/27/2010 2003		Injection Volume: 1 uL
Date Prepared:	11/23/2010 1713		Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	56		30 - 150
Tetrachloro-m-xylene	93		30 - 150

Client: CHA Inc

Job Number: 220-14062-1

Client Sample ID: **GP-3 (2-3)**

Lab Sample ID: 220-14062-10
Client Matrix: Solid

Date Sampled: 11/18/2010 1140
Date Received: 11/18/2010 1655

8151A Herbicides (GC)-TCLP

Method:	8151A	Analysis Batch: 460-57090		Instrument ID:	PESTGC3
Preparation:	8151A	Prep Batch: 460-56999		Initial Weight/Volume:	15 mL
Dilution:	1.0	Leachate Batch: 460-56479		Final Weight/Volume:	5 mL
Date Analyzed:	11/30/2010 1323			Injection Volume:	
Date Prepared:	11/29/2010 1700			Result Type:	PRIMARY
Date Leached:	11/22/2010 1530				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
2,4-D		0.080	U	0.00010	0.080
Silvex (2,4,5-TP)		0.080	U	0.000090	0.080

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	141		87 - 150

Client: CHA Inc

Job Number: 220-14062-1

Client Sample ID: **GP-3 (2-3)**

Lab Sample ID: 220-14062-10
Client Matrix: Solid

Date Sampled: 11/18/2010 1140
Date Received: 11/18/2010 1655

8151A Herbicides (GC)-TCLP

Method:	8151A	Analysis Batch: 460-57090		Instrument ID:	PESTGC3
Preparation:	8151A	Prep Batch: 460-56999		Initial Weight/Volume:	15 mL
Dilution:	1.0	Leachate Batch: 460-56479		Final Weight/Volume:	5 mL
Date Analyzed:	11/30/2010 1323			Injection Volume:	
Date Prepared:	11/29/2010 1700			Result Type:	SECONDARY
Date Leached:	11/22/2010 1530				

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	141		87 - 150

Client: CHA Inc

Job Number: 220-14062-1

Client Sample ID: **GP-1 (4-4.8)**

Lab Sample ID: 220-14062-1
Client Matrix: Solid

% Moisture: 17.4

Date Sampled: 11/18/2010 0950
Date Received: 11/18/2010 1655

CT ETPH CT Extractable Total Petroleum Hydrocarbons

Method:	CT ETPH	Analysis Batch: 220-45488		Instrument ID:	GC2
Preparation:	3550B	Prep Batch: 220-45368		Lab File ID:	C2582089.d
Dilution:	1.0			Initial Weight/Volume:	30.06 g
Date Analyzed:	11/23/2010 2014			Final Weight/Volume:	1 mL
Date Prepared:	11/22/2010 1127			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL	RL
CT ETPH		14000	U	14000	14000

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	91		50 - 150

Client: CHA Inc

Job Number: 220-14062-1

Client Sample ID: GP-2 (4.4-5)

Lab Sample ID: 220-14062-2
Client Matrix: Solid

% Moisture: 30.3

Date Sampled: 11/18/2010 1035
Date Received: 11/18/2010 1655

CT ETPH CT Extractable Total Petroleum Hydrocarbons

Method:	CT ETPH	Analysis Batch: 220-45488	Instrument ID: GC2
Preparation:	3550B	Prep Batch: 220-45368	Lab File ID: C2582090.d
Dilution:	1.0		Initial Weight/Volume: 30.04 g
Date Analyzed:	11/23/2010 2040		Final Weight/Volume: 1 mL
Date Prepared:	11/22/2010 1127		Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL	RL
CT ETPH		180000		17000	17000

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	131		50 - 150

Client: CHA Inc

Job Number: 220-14062-1

Client Sample ID: **GP-3 (2-2.7)**

Lab Sample ID: 220-14062-3
Client Matrix: Solid
% Moisture: 13.6

Date Sampled: 11/18/2010 1130
Date Received: 11/18/2010 1655

CT ETPH CT Extractable Total Petroleum Hydrocarbons

Method:	CT ETPH	Analysis Batch: 220-45488	Instrument ID: GC2
Preparation:	3550B	Prep Batch: 220-45368	Lab File ID: C2582091.d
Dilution:	1.0		Initial Weight/Volume: 30.05 g
Date Analyzed:	11/23/2010 2107		Final Weight/Volume: 1 mL
Date Prepared:	11/22/2010 1127		Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL	RL
CT ETPH		14000	U	14000	14000

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	94		50 - 150

Client: CHA Inc

Job Number: 220-14062-1

Client Sample ID: **GP-4 (8-9.2)**

Lab Sample ID: 220-14062-4
Client Matrix: Solid
% Moisture: 12.7

Date Sampled: 11/18/2010 1225
Date Received: 11/18/2010 1655

CT ETPH CT Extractable Total Petroleum Hydrocarbons

Method:	CT ETPH	Analysis Batch: 220-45497	Instrument ID: GC-X
Preparation:	3550B	Prep Batch: 220-45368	Lab File ID: CX1111121.D
Dilution:	50		Initial Weight/Volume: 30.01 g
Date Analyzed:	11/24/2010 1050		Final Weight/Volume: 1 mL
Date Prepared:	11/22/2010 1127		Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL	RL
CT ETPH		4100000		690000	690000

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	0	*	50 - 150

Client: CHA Inc

Job Number: 220-14062-1

Client Sample ID: **GP-5 (1-1.5)**

Lab Sample ID: 220-14062-5
Client Matrix: Solid
% Moisture: 18.0

Date Sampled: 11/18/2010 1340
Date Received: 11/18/2010 1655

CT ETPH CT Extractable Total Petroleum Hydrocarbons

Method:	CT ETPH	Analysis Batch: 220-45488	Instrument ID: GC2
Preparation:	3550B	Prep Batch: 220-45368	Lab File ID: C2582093.d
Dilution:	1.0		Initial Weight/Volume: 30.04 g
Date Analyzed:	11/23/2010 2200		Final Weight/Volume: 1 mL
Date Prepared:	11/22/2010 1127		Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL	RL
CT ETPH		85000		15000	15000

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	105		50 - 150

Client: CHA Inc

Job Number: 220-14062-1

Client Sample ID: **GP-6 (4-5)**

Lab Sample ID: 220-14062-6
Client Matrix: Solid

% Moisture: 21.7

Date Sampled: 11/18/2010 1355
Date Received: 11/18/2010 1655

CT ETPH CT Extractable Total Petroleum Hydrocarbons

Method:	CT ETPH	Analysis Batch: 220-45488	Instrument ID: GC2
Preparation:	3550B	Prep Batch: 220-45368	Lab File ID: C2582094.d
Dilution:	1.0		Initial Weight/Volume: 30.04 g
Date Analyzed:	11/23/2010 2227		Final Weight/Volume: 1 mL
Date Prepared:	11/22/2010 1127		Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL	RL
CT ETPH		75000		15000	15000

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	100		50 - 150

Client: CHA Inc

Job Number: 220-14062-1

Client Sample ID: **GP-7 (4-4.8)**

Lab Sample ID: 220-14062-7
Client Matrix: Solid
% Moisture: 23.5

Date Sampled: 11/18/2010 1430
Date Received: 11/18/2010 1655

CT ETPH CT Extractable Total Petroleum Hydrocarbons

Method:	CT ETPH	Analysis Batch: 220-45488	Instrument ID: GC2
Preparation:	3550B	Prep Batch: 220-45368	Lab File ID: C2582095.d
Dilution:	1.0		Initial Weight/Volume: 30.03 g
Date Analyzed:	11/23/2010 2254		Final Weight/Volume: 1 mL
Date Prepared:	11/22/2010 1127		Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL	RL
CT ETPH		26000		16000	16000

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	90		50 - 150

Client: CHA Inc

Job Number: 220-14062-1

Client Sample ID: **GP-8 (1-2)**

Lab Sample ID: 220-14062-8
Client Matrix: Solid
% Moisture: 22.7

Date Sampled: 11/18/2010 1510
Date Received: 11/18/2010 1655

CT ETPH CT Extractable Total Petroleum Hydrocarbons

Method:	CT ETPH	Analysis Batch: 220-45488	Instrument ID: GC2
Preparation:	3550B	Prep Batch: 220-45368	Lab File ID: C2582096.d
Dilution:	1.0		Initial Weight/Volume: 30.01 g
Date Analyzed:	11/23/2010 2320		Final Weight/Volume: 1 mL
Date Prepared:	11/22/2010 1127		Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL	RL
CT ETPH		17000		16000	16000

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	77		50 - 150

Client: CHA Inc

Job Number: 220-14062-1

Client Sample ID: **GP-2**

Lab Sample ID: 220-14062-11
Client Matrix: Water

Date Sampled: 11/18/2010 1535
Date Received: 11/18/2010 1655

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 220-45497	Instrument ID: GC-X
Preparation:	3510C	Prep Batch: 220-45472	Lab File ID: CX1111131.D
Dilution:	1.0		Initial Weight/Volume: 1000 mL
Date Analyzed:	11/24/2010 1406		Final Weight/Volume: 1.0 mL
Date Prepared:	11/24/2010 0910		Injection Volume: 1 uL

Analyte	Result (ug/L)	Qualifier	RL	RL
CT ETPH	460		100	100

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	85		50 - 150

Client: CHA Inc

Job Number: 220-14062-1

Client Sample ID: GP-1 (4-4.8)

Lab Sample ID: 220-14062-1
Client Matrix: Solid
% Moisture: 17.4
Date Sampled: 11/18/2010 0950
Date Received: 11/18/2010 1655

6020 Metals (ICP/MS)

Method: 6020
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 11/23/2010 1626
Date Prepared: 11/22/2010 1248
Analysis Batch: 220-45460
Prep Batch: 220-45387
Instrument ID: ICPMS
Lab File ID: 073SMPL.D#.raw
Initial Weight/Volume: 1.05 g
Final Weight/Volume: 1000 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		0.92	U	0.23	0.92
Arsenic		2.0		0.12	0.58
Barium		60.5		0.17	0.58
Beryllium		0.58	U	0.17	0.58
Cadmium		0.58	U	0.12	0.58
Chromium		15.6		0.23	1.2
Copper		8.5		0.12	1.2
Lead		7.7		0.12	0.58
Nickel		10.6		0.12	0.58
Selenium		2.0	^	0.35	1.2
Silver		0.58	U	0.12	0.58
Thallium		0.81	U	0.23	0.81
Vanadium		30.1		0.12	0.58
Zinc		28.5		0.58	5.8

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 11/24/2010 1330
Date Prepared: 11/23/2010 1455
Analysis Batch: 220-45504
Prep Batch: 220-45442
Instrument ID: MERC1
Lab File ID: CV112410.TXT
Initial Weight/Volume: 0.65 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.056	U	0.0045	0.056

Client: CHA Inc

Job Number: 220-14062-1

Client Sample ID: GP-2 (4.4-5)

Lab Sample ID: 220-14062-2
Client Matrix: Solid
% Moisture: 30.3

Date Sampled: 11/18/2010 1035
Date Received: 11/18/2010 1655

6020 Metals (ICP/MS)

Method: 6020
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 11/23/2010 1630
Date Prepared: 11/22/2010 1248

Analysis Batch: 220-45460
Prep Batch: 220-45387

Instrument ID: ICPMS
Lab File ID: 074SMPL.D#.raw
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 1000 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		1.1	U	0.29	1.1
Arsenic		1.5		0.14	0.72
Barium		76.0		0.22	0.72
Beryllium		0.94		0.22	0.72
Cadmium		0.72	U	0.14	0.72
Chromium		12.0		0.29	1.4
Copper		5.4		0.14	1.4
Lead		8.9		0.14	0.72
Nickel		6.2		0.14	0.72
Selenium		1.8	^	0.43	1.4
Silver		0.72	U	0.14	0.72
Thallium		1.0	U	0.29	1.0
Vanadium		27.7		0.14	0.72
Zinc		21.6		0.72	7.2

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 11/24/2010 1331
Date Prepared: 11/23/2010 1455

Analysis Batch: 220-45504
Prep Batch: 220-45442

Instrument ID: MERC1
Lab File ID: CV112410.TXT
Initial Weight/Volume: 0.60 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.072	U	0.0057	0.072

Client: CHA Inc

Job Number: 220-14062-1

Client Sample ID: **GP-3 (2-2.7)**

Lab Sample ID: 220-14062-3
Client Matrix: Solid
% Moisture: 13.6

Date Sampled: 11/18/2010 1130
Date Received: 11/18/2010 1655

6020 Metals (ICP/MS)

Method: 6020
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 11/23/2010 1701
Date Prepared: 11/22/2010 1248

Analysis Batch: 220-45460
Prep Batch: 220-45387

Instrument ID: ICPMS
Lab File ID: 082SMPL.D#.raw
Initial Weight/Volume: 1.09 g
Final Weight/Volume: 1000 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		0.85	U	0.21	0.85
Arsenic		1.6		0.11	0.53
Barium		71.5		0.16	0.53
Beryllium		0.53	U	0.16	0.53
Cadmium		0.53	U	0.11	0.53
Chromium		17.8		0.21	1.1
Copper		7.2		0.11	1.1
Lead		6.2		0.11	0.53
Nickel		10.5		0.11	0.53
Selenium		1.2	^	0.32	1.1
Silver		0.53	U	0.11	0.53
Thallium		0.74	U	0.21	0.74
Vanadium		34.2		0.11	0.53
Zinc		30.3		0.53	5.3

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 11/24/2010 1335
Date Prepared: 11/23/2010 1455

Analysis Batch: 220-45504
Prep Batch: 220-45442

Instrument ID: MERC1
Lab File ID: CV112410.TXT
Initial Weight/Volume: 0.61 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.057	U	0.0046	0.057

Client: CHA Inc

Job Number: 220-14062-1

Client Sample ID: GP-4 (8-9.2)

Lab Sample ID: 220-14062-4
Client Matrix: Solid
% Moisture: 12.7

Date Sampled: 11/18/2010 1225
Date Received: 11/18/2010 1655

6020 Metals (ICP/MS)

Method: 6020
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 11/23/2010 1705
Date Prepared: 11/22/2010 1248

Analysis Batch: 220-45460
Prep Batch: 220-45387

Instrument ID: ICPMS
Lab File ID: 083SMPL.D#.raw
Initial Weight/Volume: 1.21 g
Final Weight/Volume: 1000 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		0.76	U	0.19	0.76
Arsenic		3.4		0.095	0.47
Barium		93.0		0.14	0.47
Beryllium		0.56		0.14	0.47
Cadmium		0.47	U	0.095	0.47
Chromium		19.8		0.19	0.95
Copper		15.5		0.095	0.95
Lead		41.1		0.095	0.47
Nickel		11.5		0.095	0.47
Selenium		1.5	^	0.28	0.95
Silver		0.47	U	0.095	0.47
Thallium		0.66	U	0.19	0.66
Vanadium		31.0		0.095	0.47
Zinc		167		0.47	4.7

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 11/24/2010 1335
Date Prepared: 11/23/2010 1455

Analysis Batch: 220-45504
Prep Batch: 220-45442

Instrument ID: MERC1
Lab File ID: CV112410.TXT
Initial Weight/Volume: 0.63 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.089		0.0044	0.055

Client: CHA Inc

Job Number: 220-14062-1

Client Sample ID: GP-5 (1-1.5)

Lab Sample ID: 220-14062-5
Client Matrix: Solid
% Moisture: 18.0
Date Sampled: 11/18/2010 1340
Date Received: 11/18/2010 1655

6020 Metals (ICP/MS)

Method: 6020
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 11/23/2010 1708
Date Prepared: 11/22/2010 1248
Analysis Batch: 220-45460
Prep Batch: 220-45387
Instrument ID: ICPMS
Lab File ID: 084SMPL.D#.raw
Initial Weight/Volume: 1.09 g
Final Weight/Volume: 1000 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		0.89	U	0.22	0.89
Arsenic		27.3		0.11	0.56
Barium		73.0		0.17	0.56
Beryllium		0.59		0.17	0.56
Cadmium		0.56	U	0.11	0.56
Chromium		8.3		0.22	1.1
Copper		44.2		0.11	1.1
Lead		107		0.11	0.56
Nickel		13.9		0.11	0.56
Selenium		2.1	^	0.34	1.1
Silver		0.56	U	0.11	0.56
Thallium		0.78	U	0.22	0.78
Vanadium		17.5		0.11	0.56
Zinc		53.7		0.56	5.6

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 11/24/2010 1337
Date Prepared: 11/23/2010 1455
Analysis Batch: 220-45504
Prep Batch: 220-45442
Instrument ID: MERC1
Lab File ID: CV112410.TXT
Initial Weight/Volume: 0.65 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.077		0.0045	0.056

Client: CHA Inc

Job Number: 220-14062-1

Client Sample ID: **GP-6 (4-5)**

Lab Sample ID: 220-14062-6
Client Matrix: Solid
% Moisture: 21.7
Date Sampled: 11/18/2010 1355
Date Received: 11/18/2010 1655

6020 Metals (ICP/MS)

Method: 6020
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 11/23/2010 1712
Date Prepared: 11/22/2010 1248
Analysis Batch: 220-45460
Prep Batch: 220-45387
Instrument ID: ICPMS
Lab File ID: 085SMPL.D#.raw
Initial Weight/Volume: 1.19 g
Final Weight/Volume: 1000 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		0.86	U	0.21	0.86
Arsenic		3.0		0.11	0.54
Barium		68.0		0.16	0.54
Beryllium		0.54	U	0.16	0.54
Cadmium		0.54	U	0.11	0.54
Chromium		14.5		0.21	1.1
Copper		10.0		0.11	1.1
Lead		51.7		0.11	0.54
Nickel		9.7		0.11	0.54
Selenium		2.3	^	0.32	1.1
Silver		0.54	U	0.11	0.54
Thallium		0.75	U	0.21	0.75
Vanadium		30.5		0.11	0.54
Zinc		35.3		0.54	5.4

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 11/24/2010 1338
Date Prepared: 11/23/2010 1455
Analysis Batch: 220-45504
Prep Batch: 220-45442
Instrument ID: MERC1
Lab File ID: CV112410.TXT
Initial Weight/Volume: 0.64 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.42		0.0048	0.060

Client: CHA Inc

Job Number: 220-14062-1

Client Sample ID: **GP-7 (4-4.8)**

Lab Sample ID: 220-14062-7
Client Matrix: Solid
% Moisture: 23.5

Date Sampled: 11/18/2010 1430
Date Received: 11/18/2010 1655

6020 Metals (ICP/MS)

Method: 6020
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 11/23/2010 1715
Date Prepared: 11/22/2010 1248

Analysis Batch: 220-45460
Prep Batch: 220-45387

Instrument ID: ICPMS
Lab File ID: 086SMPL.D#.raw
Initial Weight/Volume: 1.04 g
Final Weight/Volume: 1000 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		1.0	U	0.25	1.0
Arsenic		1.4		0.13	0.63
Barium		135		0.19	0.63
Beryllium		1.0		0.19	0.63
Cadmium		0.63	U	0.13	0.63
Chromium		18.1		0.25	1.3
Copper		9.3		0.13	1.3
Lead		8.9		0.13	0.63
Nickel		11.4		0.13	0.63
Selenium		1.7	^	0.38	1.3
Silver		0.63	U	0.13	0.63
Thallium		0.88	U	0.25	0.88
Vanadium		43.4		0.13	0.63
Zinc		43.7		0.63	6.3

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 11/24/2010 1342
Date Prepared: 11/23/2010 1455

Analysis Batch: 220-45504
Prep Batch: 220-45442

Instrument ID: MERC1
Lab File ID: CV112410.TXT
Initial Weight/Volume: 0.69 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.057	U	0.0045	0.057

Client: CHA Inc

Job Number: 220-14062-1

Client Sample ID: GP-8 (1-2)

Lab Sample ID: 220-14062-8
Client Matrix: Solid
% Moisture: 22.7

Date Sampled: 11/18/2010 1510
Date Received: 11/18/2010 1655

6020 Metals (ICP/MS)

Method: 6020
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 11/23/2010 1719
Date Prepared: 11/22/2010 1248

Analysis Batch: 220-45460
Prep Batch: 220-45387

Instrument ID: ICPMS
Lab File ID: 087SMPL.D#.raw
Initial Weight/Volume: 1.20 g
Final Weight/Volume: 1000 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		0.86	U	0.22	0.86
Arsenic		1.1		0.11	0.54
Barium		67.9		0.16	0.54
Beryllium		0.54	U	0.16	0.54
Cadmium		0.54	U	0.11	0.54
Chromium		16.1		0.22	1.1
Copper		4.4		0.11	1.1
Lead		8.4		0.11	0.54
Nickel		9.0		0.11	0.54
Selenium		1.4	^	0.32	1.1
Silver		0.54	U	0.11	0.54
Thallium		0.75	U	0.22	0.75
Vanadium		39.1		0.11	0.54
Zinc		180		0.54	5.4

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 11/24/2010 1342
Date Prepared: 11/23/2010 1455

Analysis Batch: 220-45504
Prep Batch: 220-45442

Instrument ID: MERC1
Lab File ID: CV112410.TXT
Initial Weight/Volume: 0.68 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.057	U	0.0046	0.057

Client: CHA Inc

Job Number: 220-14062-1

Client Sample ID: **GP-3 (2-3)**

Lab Sample ID: 220-14062-10
Client Matrix: Solid

Date Sampled: 11/18/2010 1140
Date Received: 11/18/2010 1655

6010B Metals (ICP)-TCLP

Method:	6010B	Analysis Batch: 220-45585		Instrument ID:	ICAP3
Preparation:	3010A	Prep Batch: 220-45475		Lab File ID:	112910d.prn
Dilution:	1.0	Leachate Batch: 220-45376		Initial Weight/Volume:	20 mL
Date Analyzed:	11/29/2010 1419			Final Weight/Volume:	50 mL
Date Prepared:	11/24/2010 0939				
Date Leached:	11/22/2010 1212				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		0.075	U	0.020	0.075
Cadmium		0.025	U	0.0050	0.025
Chromium		0.025	U	0.0025	0.025
Lead		0.075	U	0.012	0.075
Selenium		0.19	U	0.062	0.19
Silver		0.025	U	0.0012	0.025
Barium		0.37		0.0012	0.025

7470A Mercury (CVAA)-TCLP

Method:	7470A	Analysis Batch: 220-45597		Instrument ID:	MERC1
Preparation:	7470A	Prep Batch: 220-45561		Lab File ID:	CV113010.TXT
Dilution:	1.0	Leachate Batch: 220-45376		Initial Weight/Volume:	5 mL
Date Analyzed:	11/30/2010 1152			Final Weight/Volume:	50 mL
Date Prepared:	11/29/2010 1135				
Date Leached:	11/22/2010 1212				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		0.0020	U	0.0010	0.0020

Client: CHA Inc

Job Number: 220-14062-1

Client Sample ID: GP-2

Lab Sample ID: 220-14062-11
Client Matrix: Water

Date Sampled: 11/18/2010 1535
Date Received: 11/18/2010 1655

6020 Metals (ICP/MS)

Method: 6020
Preparation: 3010A
Dilution: 1.0
Date Analyzed: 11/23/2010 1623
Date Prepared: 11/23/2010 0930

Analysis Batch: 220-45460
Prep Batch: 220-45411

Instrument ID: ICPMS
Lab File ID: 072SMPL.D#.raw
Initial Weight/Volume: 50 mL
Final Weight/Volume: 500 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Antimony	8.0	U	2.0	8.0
Barium	11000		1.0	5.0
Cadmium	5.0	U	1.0	5.0
Lead	582		1.0	5.0
Silver	5.0	U	1.0	5.0
Thallium	7.0	U	2.0	7.0

Method: 6020
Preparation: 3010A
Dilution: 4.0
Date Analyzed: 11/23/2010 1733
Date Prepared: 11/23/2010 0930

Analysis Batch: 220-45460
Prep Batch: 220-45411

Instrument ID: ICPMS
Lab File ID: 090SMPL.D#.raw
Initial Weight/Volume: 50 mL
Final Weight/Volume: 500 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arsenic	73.9		4.0	20.0
Beryllium	60.3		4.0	20.0
Chromium	1110		8.0	40.0
Copper	1070		4.0	40.0
Nickel	856		4.0	20.0
Selenium	62.6	^	8.0	40.0
Vanadium	2430		4.0	20.0
Zinc	2980		20.0	200

7470A Mercury (CVAA)

Method: 7470A
Preparation: 7470A
Dilution: 1.0
Date Analyzed: 11/23/2010 1202
Date Prepared: 11/22/2010 1403

Analysis Batch: 220-45429
Prep Batch: 220-45394

Instrument ID: MERC1
Lab File ID: CV112310.TXT
Initial Weight/Volume: 25 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.20	U	0.060	0.20

General Chemistry

Client Sample ID: **GP-1 (4-4.8)**

Lab Sample ID: 220-14062-1 Date Sampled: 11/18/2010 0950
Client Matrix: Solid Date Received: 11/18/2010 1655

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	17.4		%	0.10	0.10	1.0	Moisture
Analysis Batch: 220-45351	Date Analyzed: 11/22/2010 0939						DryWt Corrected: N
Percent Solids	82.6		%	0.10	0.10	1.0	Moisture
Analysis Batch: 220-45351	Date Analyzed: 11/22/2010 0939						DryWt Corrected: N

General Chemistry

Client Sample ID: GP-2 (4.4-5)

Lab Sample ID: 220-14062-2 Date Sampled: 11/18/2010 1035
Client Matrix: Solid Date Received: 11/18/2010 1655

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	30.3		%	0.10	0.10	1.0	Moisture
Analysis Batch: 220-45351	Date Analyzed: 11/22/2010 0939						DryWt Corrected: N
Percent Solids	69.7		%	0.10	0.10	1.0	Moisture
Analysis Batch: 220-45351	Date Analyzed: 11/22/2010 0939						DryWt Corrected: N

General Chemistry

Client Sample ID: **GP-3 (2-2.7)**

Lab Sample ID: 220-14062-3 Date Sampled: 11/18/2010 1130
Client Matrix: Solid Date Received: 11/18/2010 1655

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	13.6		%	0.10	0.10	1.0	Moisture
Analysis Batch: 220-45351	Date Analyzed: 11/22/2010 0939						DryWt Corrected: N
Percent Solids	86.4		%	0.10	0.10	1.0	Moisture
Analysis Batch: 220-45351	Date Analyzed: 11/22/2010 0939						DryWt Corrected: N

General Chemistry

Client Sample ID: GP-4 (8-9.2)

Lab Sample ID: 220-14062-4 Date Sampled: 11/18/2010 1225
Client Matrix: Solid Date Received: 11/18/2010 1655

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	12.7		%	0.10	0.10	1.0	Moisture
Analysis Batch: 220-45351	Date Analyzed: 11/22/2010 0939						DryWt Corrected: N
Percent Solids	87.3		%	0.10	0.10	1.0	Moisture
Analysis Batch: 220-45351	Date Analyzed: 11/22/2010 0939						DryWt Corrected: N

General Chemistry

Client Sample ID: **GP-5 (1-1.5)**

Lab Sample ID: 220-14062-5 Date Sampled: 11/18/2010 1340
Client Matrix: Solid Date Received: 11/18/2010 1655

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	18.0		%	0.10	0.10	1.0	Moisture
Analysis Batch: 220-45351	Date Analyzed: 11/22/2010 0939						DryWt Corrected: N
Percent Solids	82.0		%	0.10	0.10	1.0	Moisture
Analysis Batch: 220-45351	Date Analyzed: 11/22/2010 0939						DryWt Corrected: N

General Chemistry

Client Sample ID: **GP-6 (4-5)**

Lab Sample ID: 220-14062-6 Date Sampled: 11/18/2010 1355
Client Matrix: Solid Date Received: 11/18/2010 1655

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	21.7		%	0.10	0.10	1.0	Moisture
Analysis Batch: 220-45351	Date Analyzed: 11/22/2010 0939						DryWt Corrected: N
Percent Solids	78.3		%	0.10	0.10	1.0	Moisture
Analysis Batch: 220-45351	Date Analyzed: 11/22/2010 0939						DryWt Corrected: N

General Chemistry

Client Sample ID: **GP-7 (4-4.8)**

Lab Sample ID: 220-14062-7 Date Sampled: 11/18/2010 1430
Client Matrix: Solid Date Received: 11/18/2010 1655

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	23.5		%	0.10	0.10	1.0	Moisture
Analysis Batch: 220-45351	Date Analyzed: 11/22/2010 0939						DryWt Corrected: N
Percent Solids	76.5		%	0.10	0.10	1.0	Moisture
Analysis Batch: 220-45351	Date Analyzed: 11/22/2010 0939						DryWt Corrected: N

General Chemistry

Client Sample ID: **GP-8 (1-2)**

Lab Sample ID: 220-14062-8 Date Sampled: 11/18/2010 1510
Client Matrix: Solid Date Received: 11/18/2010 1655

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	22.7		%	0.10	0.10	1.0	Moisture
Analysis Batch: 220-45351	Date Analyzed: 11/22/2010 0939						DryWt Corrected: N
Percent Solids	77.3		%	0.10	0.10	1.0	Moisture
Analysis Batch: 220-45351	Date Analyzed: 11/22/2010 0939						DryWt Corrected: N

General Chemistry

Client Sample ID: GP-3 (2-3)

Lab Sample ID: 220-14062-10 Date Sampled: 11/18/2010 1140
Client Matrix: Solid Date Received: 11/18/2010 1655

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Burn Rate	2.20	U	mm/sec	2.20	2.20	1.0	1030
Analysis Batch: 460-56737	Date Analyzed: 11/24/2010 1144						DryWt Corrected: N
Cyanide, Reactive	0.50	U	mg/Kg	0.50	0.50	1.0	9012
Analysis Batch: 220-45455	Date Analyzed: 11/23/2010 1557						DryWt Corrected: N
Prep Batch: 220-45452	Date Prepared: 11/19/2010 1620						
Sulfide, Reactive	20.0	U	mg/Kg	20.0	20.0	1.0	9034
Analysis Batch: 220-45515	Date Analyzed: 11/24/2010 1300						DryWt Corrected: N
Prep Batch: 220-45514	Date Prepared: 11/19/2010 1620						
pH	4.52	HF	SU	0.100	0.100	1.0	9045C
Analysis Batch: 220-45339	Date Analyzed: 11/20/2010 1221						DryWt Corrected: N

DATA REPORTING QUALIFIERS

Client: CHA Inc Job Number: 220-14062-1

Lab Section	Qualifier	Description
GC/MS VOA		
	U	Analyzed for but not detected.
	E	Compound concentration exceeds the upper level of the calibration range of the instrument for that specific analysis.
	*	LCS or LCSD exceeds the control limits
	*	Surrogate exceeds the control limit
	B	The analyte was found in an associated blank, as well as in the sample.
GC/MS Semi VOA		
	U	Analyzed for but not detected.
	E	Compound concentration exceeds the upper level of the calibration range of the instrument for that specific analysis.
	*	LCS or LCSD exceeds the control limits
	*	Surrogate exceeds the control limit
GC Semi VOA		
	U	Analyzed for but not detected.
	*	Surrogate exceeds the control limit
Metals		
	*	Duplicate analysis not within control limits.
	^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
	U	Indicates analyzed for but not detected.
	N	Spiked sample recovery is not within control limits.
General Chemistry		
	HF	Field parameter with a holding time of 15 minutes
	U	Indicates analyzed for but not detected.

QUALITY CONTROL RESULTS

Client: CHA Inc

Job Number: 220-14062-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 220-45317					
220-14062-1	GP-1 (4-4.8)	T	Solid	5035	
220-14062-3	GP-3 (2-2.7)	T	Solid	5035	
220-14062-4	GP-4 (8-9.2)	T	Solid	5035	
220-14062-6	GP-6 (4-5)	T	Solid	5035	
220-14062-7	GP-7 (4-4.8)	T	Solid	5035	
220-14062-8	GP-8 (1-2)	T	Solid	5035	
Prep Batch: 220-45329					
220-14062-1DL	GP-1 (4-4.8)	T	Solid	5035	
220-14062-2	GP-2 (4.4-5)	T	Solid	5035	
220-14062-4DL	GP-4 (8-9.2)	T	Solid	5035	
220-14062-5	GP-5 (1-1.5)	T	Solid	5035	
Analysis Batch:220-45444					
LCS 220-45444/3	Lab Control Sample	T	Solid	8260B	
MB 220-45444/4	Method Blank	T	Solid	8260B	
220-14062-1	GP-1 (4-4.8)	T	Solid	8260B	220-45317
220-14062-3	GP-3 (2-2.7)	T	Solid	8260B	220-45317
220-14062-4	GP-4 (8-9.2)	T	Solid	8260B	220-45317
220-14062-6	GP-6 (4-5)	T	Solid	8260B	220-45317
220-14062-7	GP-7 (4-4.8)	T	Solid	8260B	220-45317
220-14062-8	GP-8 (1-2)	T	Solid	8260B	220-45317
Analysis Batch:220-45463					
LCS 220-45463/2	Lab Control Sample	T	Water	8260B	
MB 220-45463/3	Method Blank	T	Water	8260B	
220-14062-9TB	TRIP BLANK	T	Water	8260B	
220-14062-11	GP-2	T	Water	8260B	
220-14062-12TB	TRIP BLANK	T	Water	8260B	
Prep Batch: 220-45464					
LB 220-45464/1-A	TCLP SPLPE Leachate Blank	P	Solid	1311	
220-14062-10	GP-3 (2-3)	P	Solid	1311	
Analysis Batch:220-45502					
LCS 220-45502/2	Lab Control Sample	T	Solid	8260B	
MB 220-45502/3	Method Blank	T	Solid	8260B	
220-14062-1DL	GP-1 (4-4.8)	T	Solid	8260B	220-45329
Analysis Batch:220-45506					
LCS 220-45506/2	Lab Control Sample	T	Solid	8260B	
MB 220-45506/3	Method Blank	T	Solid	8260B	
220-14062-2	GP-2 (4.4-5)	T	Solid	8260B	220-45329
220-14062-4DL	GP-4 (8-9.2)	T	Solid	8260B	220-45329
220-14062-5	GP-5 (1-1.5)	T	Solid	8260B	220-45329

Client: CHA Inc

Job Number: 220-14062-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:220-45551					
LB 220-45464/1-A	TCLP SPLPE Leachate Blank	P	Solid	8260B	
LCS 220-45551/2	Lab Control Sample	T	Water	8260B	
MB 220-45551/3	Method Blank	T	Water	8260B	
220-14062-10	GP-3 (2-3)	P	Solid	8260B	
Analysis Batch:220-45592					
LCS 220-45592/2	Lab Control Sample	T	Water	8260B	
MB 220-45592/3	Method Blank	T	Water	8260B	
220-14062-11DL	GP-2	T	Water	8260B	

Report Basis
P = TCLP
T = Total

Client: CHA Inc

Job Number: 220-14062-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 220-45363					
LCS 220-45363/2-A	Lab Control Sample	T	Water	3510C	
MB 220-45363/1-A	Method Blank	T	Water	3510C	
220-14062-11	GP-2	T	Water	3510C	
Prep Batch: 220-45376					
LB 220-45376/1-B	TCLP SPLPE Leachate Blank	P	Solid	1311	
220-14062-10	GP-3 (2-3)	P	Solid	1311	
Prep Batch: 220-45414					
LCS 220-45414/2-A	Lab Control Sample	T	Solid	3541	
MB 220-45414/1-A	Method Blank	T	Solid	3541	
220-14062-1	GP-1 (4-4.8)	T	Solid	3541	
220-14062-2	GP-2 (4.4-5)	T	Solid	3541	
220-14062-3	GP-3 (2-2.7)	T	Solid	3541	
220-14062-4	GP-4 (8-9.2)	T	Solid	3541	
220-14062-4DL	GP-4 (8-9.2)	T	Solid	3541	
220-14062-5	GP-5 (1-1.5)	T	Solid	3541	
220-14062-6	GP-6 (4-5)	T	Solid	3541	
220-14062-7	GP-7 (4-4.8)	T	Solid	3541	
220-14062-8	GP-8 (1-2)	T	Solid	3541	
Prep Batch: 220-45471					
LCS 220-45471/4-A	Lab Control Sample	T	Water	3510C	
MB 220-45471/1-A	Method Blank	T	Water	3510C	
LB 220-45376/1-B	TCLP SPLPE Leachate Blank	P	Solid	3510C	220-45376
220-14062-10	GP-3 (2-3)	P	Solid	3510C	220-45376
Analysis Batch:220-45473					
LCS 220-45363/2-A	Lab Control Sample	T	Water	8270C	220-45363
MB 220-45363/1-A	Method Blank	T	Water	8270C	220-45363
220-14062-11	GP-2	T	Water	8270C	220-45363
Analysis Batch:220-45500					
LCS 220-45414/2-A	Lab Control Sample	T	Solid	8270C	220-45414
MB 220-45414/1-A	Method Blank	T	Solid	8270C	220-45414
220-14062-1	GP-1 (4-4.8)	T	Solid	8270C	220-45414
220-14062-3	GP-3 (2-2.7)	T	Solid	8270C	220-45414
220-14062-5	GP-5 (1-1.5)	T	Solid	8270C	220-45414
220-14062-6	GP-6 (4-5)	T	Solid	8270C	220-45414
220-14062-7	GP-7 (4-4.8)	T	Solid	8270C	220-45414
220-14062-8	GP-8 (1-2)	T	Solid	8270C	220-45414

Client: CHA Inc

Job Number: 220-14062-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Analysis Batch:220-45545					
LB 220-45376/1-B	TCLP SPLPE Leachate Blank	P	Solid	8270C	220-45471
LCS 220-45471/4-A	Lab Control Sample	T	Water	8270C	220-45471
MB 220-45471/1-A	Method Blank	T	Water	8270C	220-45471
220-14062-2	GP-2 (4.4-5)	T	Solid	8270C	220-45414
220-14062-4	GP-4 (8-9.2)	T	Solid	8270C	220-45414
220-14062-4DL	GP-4 (8-9.2)	T	Solid	8270C	220-45414
220-14062-10	GP-3 (2-3)	P	Solid	8270C	220-45471

Report Basis
P = TCLP
T = Total

Client: CHA Inc

Job Number: 220-14062-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 220-45368					
LCS 220-45368/2-A	Lab Control Sample	T	Solid	3550B	
MB 220-45368/1-A	Method Blank	T	Solid	3550B	
220-14062-1	GP-1 (4-4.8)	T	Solid	3550B	
220-14062-2	GP-2 (4.4-5)	T	Solid	3550B	
220-14062-3	GP-3 (2-2.7)	T	Solid	3550B	
220-14062-4	GP-4 (8-9.2)	T	Solid	3550B	
220-14062-5	GP-5 (1-1.5)	T	Solid	3550B	
220-14062-6	GP-6 (4-5)	T	Solid	3550B	
220-14062-7	GP-7 (4-4.8)	T	Solid	3550B	
220-14062-8	GP-8 (1-2)	T	Solid	3550B	
Prep Batch: 220-45458					
LCS 220-45458/2-A	Lab Control Sample	T	Water	3510C	
MB 220-45458/1-A	Method Blank	T	Water	3510C	
220-14062-11	GP-2	T	Water	3510C	
Prep Batch: 220-45472					
MB 220-45472/1-A	Method Blank	T	Water	3510C	
220-14062-11	GP-2	T	Water	3510C	
Analysis Batch:220-45488					
LCS 220-45368/2-A	Lab Control Sample	T	Solid	CT ETPH	220-45368
MB 220-45368/1-A	Method Blank	T	Solid	CT ETPH	220-45368
220-14062-1	GP-1 (4-4.8)	T	Solid	CT ETPH	220-45368
220-14062-2	GP-2 (4.4-5)	T	Solid	CT ETPH	220-45368
220-14062-3	GP-3 (2-2.7)	T	Solid	CT ETPH	220-45368
220-14062-5	GP-5 (1-1.5)	T	Solid	CT ETPH	220-45368
220-14062-6	GP-6 (4-5)	T	Solid	CT ETPH	220-45368
220-14062-7	GP-7 (4-4.8)	T	Solid	CT ETPH	220-45368
220-14062-8	GP-8 (1-2)	T	Solid	CT ETPH	220-45368
Analysis Batch:220-45497					
MB 220-45472/1-A	Method Blank	T	Water	CT ETPH	220-45472
220-14062-4	GP-4 (8-9.2)	T	Solid	CT ETPH	220-45368
220-14062-11	GP-2	T	Water	CT ETPH	220-45472
Analysis Batch:220-45554					
LCS 220-45458/2-A	Lab Control Sample	T	Water	8081A	220-45458
MB 220-45458/1-A	Method Blank	T	Water	8081A	220-45458
220-14062-11	GP-2	T	Water	8081A	220-45458

Client: CHA Inc

Job Number: 220-14062-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 460-56479					
LB 460-56479/1-J	TCLP SPLPE Leachate Blank	P	Solid	1311	
220-14062-10	GP-3 (2-3)	P	Solid	1311	
220-14062-10MS	Matrix Spike	P	Solid	1311	
220-14062-10MSD	Matrix Spike Duplicate	P	Solid	1311	
Prep Batch: 460-56994					
LCS 460-56994/2-A	Lab Control Sample	T	Solid	3541	
MB 460-56994/1-A	Method Blank	T	Solid	3541	
220-14062-1	GP-1 (4-4.8)	T	Solid	3541	
220-14062-2	GP-2 (4.4-5)	T	Solid	3541	
220-14062-3	GP-3 (2-2.7)	T	Solid	3541	
220-14062-4	GP-4 (8-9.2)	T	Solid	3541	
220-14062-5	GP-5 (1-1.5)	T	Solid	3541	
220-14062-6	GP-6 (4-5)	T	Solid	3541	
220-14062-6MS	Matrix Spike	T	Solid	3541	
220-14062-6MSD	Matrix Spike Duplicate	T	Solid	3541	
220-14062-7	GP-7 (4-4.8)	T	Solid	3541	
220-14062-8	GP-8 (1-2)	T	Solid	3541	
Prep Batch: 460-56999					
LCS 460-56999/2-A	Lab Control Sample	T	Water	8151A	
MB 460-56999/1-A	Method Blank	T	Water	8151A	
LB 460-56479/1-J	TCLP SPLPE Leachate Blank	P	Solid	8151A	460-56479
220-14062-10	GP-3 (2-3)	P	Solid	8151A	460-56479
220-14062-10MS	Matrix Spike	P	Solid	8151A	460-56479
220-14062-10MSD	Matrix Spike Duplicate	P	Solid	8151A	460-56479
Analysis Batch:460-57038					
LCS 460-56994/2-A	Lab Control Sample	T	Solid	8081A	460-56994
MB 460-56994/1-A	Method Blank	T	Solid	8081A	460-56994
220-14062-1	GP-1 (4-4.8)	T	Solid	8081A	460-56994
220-14062-2	GP-2 (4.4-5)	T	Solid	8081A	460-56994
220-14062-3	GP-3 (2-2.7)	T	Solid	8081A	460-56994
220-14062-4	GP-4 (8-9.2)	T	Solid	8081A	460-56994
220-14062-5	GP-5 (1-1.5)	T	Solid	8081A	460-56994
220-14062-6	GP-6 (4-5)	T	Solid	8081A	460-56994
220-14062-6MS	Matrix Spike	T	Solid	8081A	460-56994
220-14062-6MSD	Matrix Spike Duplicate	T	Solid	8081A	460-56994
220-14062-7	GP-7 (4-4.8)	T	Solid	8081A	460-56994
220-14062-8	GP-8 (1-2)	T	Solid	8081A	460-56994

Client: CHA Inc

Job Number: 220-14062-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Analysis Batch:460-57090					
LB 460-56479/1-J	TCLP SPLPE Leachate Blank	P	Solid	8151A	460-56999
LCS 460-56999/2-A	Lab Control Sample	T	Water	8151A	460-56999
MB 460-56999/1-A	Method Blank	T	Water	8151A	460-56999
220-14062-10	GP-3 (2-3)	P	Solid	8151A	460-56999
220-14062-10MS	Matrix Spike	P	Solid	8151A	460-56999
220-14062-10MSD	Matrix Spike Duplicate	P	Solid	8151A	460-56999

Report Basis
P = TCLP
T = Total

Client: CHA Inc

Job Number: 220-14062-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 220-45376					
LB 220-45376/2-B	TCLP SPLPE Leachate Blank	P	Solid	1311	
LB 220-45376/2-C	TCLP SPLPE Leachate Blank	P	Solid	1311	
220-14062-10	GP-3 (2-3)	P	Solid	1311	
Prep Batch: 220-45387					
LCS 220-45387/2-A	Lab Control Sample	T	Solid	3050B	
MB 220-45387/1-A	Method Blank	T	Solid	3050B	
220-14062-1	GP-1 (4-4.8)	T	Solid	3050B	
220-14062-2	GP-2 (4.4-5)	T	Solid	3050B	
220-14062-2DU	Duplicate	T	Solid	3050B	
220-14062-2MS	Matrix Spike	T	Solid	3050B	
220-14062-3	GP-3 (2-2.7)	T	Solid	3050B	
220-14062-4	GP-4 (8-9.2)	T	Solid	3050B	
220-14062-5	GP-5 (1-1.5)	T	Solid	3050B	
220-14062-6	GP-6 (4-5)	T	Solid	3050B	
220-14062-7	GP-7 (4-4.8)	T	Solid	3050B	
220-14062-8	GP-8 (1-2)	T	Solid	3050B	
Prep Batch: 220-45394					
LCS 220-45394/2-A	Lab Control Sample	T	Water	7470A	
MB 220-45394/1-A	Method Blank	T	Water	7470A	
220-14062-11	GP-2	T	Water	7470A	
Prep Batch: 220-45411					
LCS 220-45411/2-A	Lab Control Sample	T	Water	3010A	
MB 220-45411/1-A	Method Blank	T	Water	3010A	
220-14062-11	GP-2	T	Water	3010A	
Analysis Batch:220-45429					
LCS 220-45394/2-A	Lab Control Sample	T	Water	7470A	220-45394
MB 220-45394/1-A	Method Blank	T	Water	7470A	220-45394
220-14062-11	GP-2	T	Water	7470A	220-45394

Client: CHA Inc

Job Number: 220-14062-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 220-45442					
LCS 220-45442/2-A	Lab Control Sample	T	Solid	7471A	
MB 220-45442/1-A	Method Blank	T	Solid	7471A	
220-14062-1	GP-1 (4-4.8)	T	Solid	7471A	
220-14062-2	GP-2 (4.4-5)	T	Solid	7471A	
220-14062-2DU	Duplicate	T	Solid	7471A	
220-14062-2MS	Matrix Spike	T	Solid	7471A	
220-14062-3	GP-3 (2-2.7)	T	Solid	7471A	
220-14062-4	GP-4 (8-9.2)	T	Solid	7471A	
220-14062-5	GP-5 (1-1.5)	T	Solid	7471A	
220-14062-6	GP-6 (4-5)	T	Solid	7471A	
220-14062-7	GP-7 (4-4.8)	T	Solid	7471A	
220-14062-8	GP-8 (1-2)	T	Solid	7471A	
Analysis Batch:220-45460					
LCS 220-45387/2-A	Lab Control Sample	T	Solid	6020	220-45387
MB 220-45387/1-A	Method Blank	T	Solid	6020	220-45387
LCS 220-45411/2-A	Lab Control Sample	T	Water	6020	220-45411
MB 220-45411/1-A	Method Blank	T	Water	6020	220-45411
220-14062-1	GP-1 (4-4.8)	T	Solid	6020	220-45387
220-14062-2	GP-2 (4.4-5)	T	Solid	6020	220-45387
220-14062-2DU	Duplicate	T	Solid	6020	220-45387
220-14062-2MS	Matrix Spike	T	Solid	6020	220-45387
220-14062-3	GP-3 (2-2.7)	T	Solid	6020	220-45387
220-14062-4	GP-4 (8-9.2)	T	Solid	6020	220-45387
220-14062-5	GP-5 (1-1.5)	T	Solid	6020	220-45387
220-14062-6	GP-6 (4-5)	T	Solid	6020	220-45387
220-14062-7	GP-7 (4-4.8)	T	Solid	6020	220-45387
220-14062-8	GP-8 (1-2)	T	Solid	6020	220-45387
220-14062-11	GP-2	T	Water	6020	220-45411
Prep Batch: 220-45475					
LCS 220-45475/2-A	Lab Control Sample	T	Water	3010A	
MB 220-45475/1-A	Method Blank	T	Water	3010A	
LB 220-45376/2-B	TCLP SPLPE Leachate Blank	P	Solid	3010A	220-45376
220-14062-10	GP-3 (2-3)	P	Solid	3010A	220-45376

Client: CHA Inc

Job Number: 220-14062-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:220-45504					
LCS 220-45442/2-A	Lab Control Sample	T	Solid	7471A	220-45442
MB 220-45442/1-A	Method Blank	T	Solid	7471A	220-45442
220-14062-1	GP-1 (4-4.8)	T	Solid	7471A	220-45442
220-14062-2	GP-2 (4.4-5)	T	Solid	7471A	220-45442
220-14062-2DU	Duplicate	T	Solid	7471A	220-45442
220-14062-2MS	Matrix Spike	T	Solid	7471A	220-45442
220-14062-3	GP-3 (2-2.7)	T	Solid	7471A	220-45442
220-14062-4	GP-4 (8-9.2)	T	Solid	7471A	220-45442
220-14062-5	GP-5 (1-1.5)	T	Solid	7471A	220-45442
220-14062-6	GP-6 (4-5)	T	Solid	7471A	220-45442
220-14062-7	GP-7 (4-4.8)	T	Solid	7471A	220-45442
220-14062-8	GP-8 (1-2)	T	Solid	7471A	220-45442
Prep Batch: 220-45561					
LCS 220-45561/2-A	Lab Control Sample	T	Water	7470A	
MB 220-45561/1-A	Method Blank	T	Water	7470A	
LB 220-45376/2-C	TCLP SPLPE Leachate Blank	P	Solid	7470A	220-45376
220-14062-10	GP-3 (2-3)	P	Solid	7470A	220-45376
Analysis Batch:220-45585					
LB 220-45376/2-B	TCLP SPLPE Leachate Blank	P	Solid	6010B	220-45475
LCS 220-45475/2-A	Lab Control Sample	T	Water	6010B	220-45475
MB 220-45475/1-A	Method Blank	T	Water	6010B	220-45475
220-14062-10	GP-3 (2-3)	P	Solid	6010B	220-45475
Analysis Batch:220-45597					
LB 220-45376/2-C	TCLP SPLPE Leachate Blank	P	Solid	7470A	220-45561
LCS 220-45561/2-A	Lab Control Sample	T	Water	7470A	220-45561
MB 220-45561/1-A	Method Blank	T	Water	7470A	220-45561
220-14062-10	GP-3 (2-3)	P	Solid	7470A	220-45561

Report Basis
P = TCLP
T = Total

Client: CHA Inc

Job Number: 220-14062-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:220-45339					
MB 220-45339/1	Method Blank	T	Solid	9045C	
220-14062-10	GP-3 (2-3)	T	Solid	9045C	
220-14062-10DU	Duplicate	T	Solid	9045C	
Analysis Batch:220-45351					
220-14062-1	GP-1 (4-4.8)	T	Solid	Moisture	
220-14062-2	GP-2 (4.4-5)	T	Solid	Moisture	
220-14062-3	GP-3 (2-2.7)	T	Solid	Moisture	
220-14062-4	GP-4 (8-9.2)	T	Solid	Moisture	
220-14062-5	GP-5 (1-1.5)	T	Solid	Moisture	
220-14062-6	GP-6 (4-5)	T	Solid	Moisture	
220-14062-7	GP-7 (4-4.8)	T	Solid	Moisture	
220-14062-8	GP-8 (1-2)	T	Solid	Moisture	
Prep Batch: 220-45452					
MB 220-45452/1-A	Method Blank	T	Solid	7.3.3	
220-14062-10	GP-3 (2-3)	T	Solid	7.3.3	
220-14062-10DU	Duplicate	T	Solid	7.3.3	
Analysis Batch:220-45455					
MB 220-45452/1-A	Method Blank	T	Solid	9012	220-45452
220-14062-10	GP-3 (2-3)	T	Solid	9012	220-45452
220-14062-10DU	Duplicate	T	Solid	9012	220-45452
Prep Batch: 220-45514					
MSB 220-45514/2-A	Matrix Spike Blank	T	Solid	7.3.4	
MB 220-45514/1-A	Method Blank	T	Solid	7.3.4	
220-14062-10	GP-3 (2-3)	T	Solid	7.3.4	
220-14062-10DU	Duplicate	T	Solid	7.3.4	
220-14062-10MS	Matrix Spike	T	Solid	7.3.4	
Analysis Batch:220-45515					
MSB 220-45514/2-A	Matrix Spike Blank	T	Solid	9034	220-45514
MB 220-45514/1-A	Method Blank	T	Solid	9034	220-45514
220-14062-10	GP-3 (2-3)	T	Solid	9034	220-45514
220-14062-10DU	Duplicate	T	Solid	9034	220-45514
220-14062-10MS	Matrix Spike	T	Solid	9034	220-45514
Analysis Batch:460-56737					
220-14062-10	GP-3 (2-3)	T	Solid	1030	

Report Basis
T = Total

Client: CHA Inc

Job Number: 220-14062-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCA %Rec	BFB %Rec	DBFM %Rec	TOL %Rec
220-14062-1	GP-1 (4-4.8)	107	94	104	98
220-14062-3	GP-3 (2-2.7)	108	91	101	94
220-14062-4	GP-4 (8-9.2)	96	66*	93	82
220-14062-6	GP-6 (4-5)	86	76	93	93
220-14062-7	GP-7 (4-4.8)	96	91	93	89
220-14062-8	GP-8 (1-2)	96	89	92	88
MB 220-45444/4		91	88	93	86
LCS 220-45444/3		105	89	102	89

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	70-130
BFB = 4-Bromofluorobenzene	70-130
DBFM = Dibromofluoromethane	70-130
TOL = Toluene-d8 (Surr)	70-130

Client: CHA Inc

Job Number: 220-14062-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCA %Rec	BFB %Rec	DBFM %Rec	TOL %Rec
220-14062-1 DL	GP-1 (4-4.8) DL	78	86	78	89
220-14062-2	GP-2 (4.4-5)	91	89	88	91
220-14062-4 DL	GP-4 (8-9.2) DL	93	83	90	94
220-14062-5	GP-5 (1-1.5)	90	90	85	93
MB 220-45502/3		80	85	80	88
MB 220-45506/3		90	85	86	96
LCS 220-45502/2		80	93	83	92
LCS 220-45506/2		90	88	90	96

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	70-130
BFB = 4-Bromofluorobenzene	70-130
DBFM = Dibromofluoromethane	70-130
TOL = Toluene-d8 (Surr)	70-130

Client: CHA Inc

Job Number: 220-14062-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Solid TCLP

Lab Sample ID	Client Sample ID	DCA %Rec	BFB %Rec	DBFM %Rec	TOL %Rec
220-14062-10	GP-3 (2-3)	93	92	94	91
MB 220-45551/3		92	86	90	94
LB 220-45464/1-A		92	95	92	90
LCS 220-45551/2		90	88	90	96

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	70-130
BFB = 4-Bromofluorobenzene	70-130
DBFM = Dibromofluoromethane	70-130
TOL = Toluene-d8 (Surr)	70-130

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCA %Rec	BFB %Rec	DBFM %Rec	TOL %Rec
220-14062-9	TRIP BLANK	98	92	102	96
220-14062-11	GP-2	92	92	98	97
220-14062-11 DL	GP-2 DL	87	95	94	94
220-14062-12	TRIP BLANK	98	91	102	98
MB 220-45463/3		95	93	96	98
MB 220-45592/3		88	95	97	92
LCS 220-45463/2		85	97	92	101
LCS 220-45592/2		81	100	89	97

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	70-130
BFB = 4-Bromofluorobenzene	70-130
DBFM = Dibromofluoromethane	70-130
TOL = Toluene-d8 (Surr)	70-130

Client: CHA Inc

Job Number: 220-14062-1

Surrogate Recovery Report

8270C Semivolatile Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TBP %Rec	FBP %Rec	2FP %Rec	NBZ %Rec	PHL %Rec	TPH %Rec
220-14062-1	GP-1 (4-4.8)	93	77	73	72	76	90
220-14062-2	GP-2 (4.4-5)	81	72	66	67	68	88
220-14062-3	GP-3 (2-2.7)	89	79	74	78	76	86
220-14062-4 DL	GP-4 (8-9.2) DL	83	99	73	73	80	125
220-14062-4	GP-4 (8-9.2)	81	90	68	79	75	141*
220-14062-5	GP-5 (1-1.5)	75	76	67	75	70	89
220-14062-6	GP-6 (4-5)	88	79	75	79	75	87
220-14062-7	GP-7 (4-4.8)	85	77	73	75	73	89
220-14062-8	GP-8 (1-2)	81	76	74	76	74	88
MB 220-45414/1-A		74	73	70	71	71	73
LCS 220-45414/2-A		84	79	75	79	74	84

Surrogate	Acceptance Limits
TBP = 2,4,6-Tribromophenol (Surr)	30-130
FBP = 2-Fluorobiphenyl	30-130
2FP = 2-Fluorophenol (Surr)	30-130
NBZ = Nitrobenzene-d5 (Surr)	30-130
PHL = Phenol-d5 (Surr)	30-130
TPH = Terphenyl-d14 (Surr)	30-130

Client: CHA Inc

Job Number: 220-14062-1

Surrogate Recovery Report

8270C Semivolatile Compounds (GC/MS)

Client Matrix: Solid TCLP

Lab Sample ID	Client Sample ID	FBP %Rec	2FP %Rec	PHL %Rec	NBZ %Rec	TBP %Rec	TPH %Rec
220-14062-10	GP-3 (2-3)	72	52	41	71	89	91

Surrogate	Acceptance Limits
FBP = 2-Fluorobiphenyl	30-130
2FP = 2-Fluorophenol (Surr)	15-110
PHL = Phenol-d5 (Surr)	15-110
NBZ = Nitrobenzene-d5 (Surr)	30-130
TBP = 2,4,6-Tribromophenol (Surr)	15-110
TPH = Terphenyl-d14 (Surr)	30-130

Client: CHA Inc

Job Number: 220-14062-1

Surrogate Recovery Report

8270C Semivolatile Compounds (GC/MS)

Client Matrix: Solid TCLP

Lab Sample ID	Client Sample ID	TBP %Rec	FBP %Rec	2FP %Rec	NBZ %Rec	PHL %Rec	TPH %Rec
MB 220-45471/1-A		80	67	38	68	26	87
LB 220-45376/1-B		88	72	51	72	41	88
LCS 220-45471/4-A		92	77	55	76	43	92

Surrogate	Acceptance Limits
TBP = 2,4,6-Tribromophenol (Surr)	15-110
FBP = 2-Fluorobiphenyl	30-130
2FP = 2-Fluorophenol (Surr)	15-110
NBZ = Nitrobenzene-d5 (Surr)	30-130
PHL = Phenol-d5 (Surr)	15-110
TPH = Terphenyl-d14 (Surr)	30-130

Client: CHA Inc

Job Number: 220-14062-1

Surrogate Recovery Report

8270C Semivolatile Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	TBP %Rec	FBP %Rec	2FP %Rec	NBZ %Rec	PHL %Rec	TPH %Rec
220-14062-11	GP-2	75	65	41	68	28	95
MB 220-45363/1-A		79	67	37	68	25	91
LCS 220-45363/2-A		97	73	41	72	27	96

Surrogate	Acceptance Limits
TBP = 2,4,6-Tribromophenol (Surr)	15-110
FBP = 2-Fluorobiphenyl	30-130
2FP = 2-Fluorophenol (Surr)	15-110
NBZ = Nitrobenzene-d5 (Surr)	30-130
PHL = Phenol-d5 (Surr)	15-110
TPH = Terphenyl-d14 (Surr)	30-130

Client: CHA Inc

Job Number: 220-14062-1

Surrogate Recovery Report

8081A Organochlorine Pesticides (GC)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCB1 %Rec	DCB2 %Rec	TCX1 %Rec	TCX2 %Rec
220-14062-11	GP-2	56	59	93	134
MB 220-45458/1-A		38	39	79	83
LCS 220-45458/2-A		71	74	89	94

Surrogate	Acceptance Limits
DCB = DCB Decachlorobiphenyl	30-150
TCX = Tetrachloro-m-xylene	30-150

Client: CHA Inc

Job Number: 220-14062-1

Surrogate Recovery Report

CT ETPH CT Extractable Total Petroleum Hydrocarbons

Client Matrix: Solid

Lab Sample ID	Client Sample ID	OTPH %Rec
220-14062-1	GP-1 (4-4.8)	91
220-14062-2	GP-2 (4.4-5)	131
220-14062-3	GP-3 (2-2.7)	94
220-14062-4	GP-4 (8-9.2)	0*
220-14062-5	GP-5 (1-1.5)	105
220-14062-6	GP-6 (4-5)	100
220-14062-7	GP-7 (4-4.8)	90
220-14062-8	GP-8 (1-2)	77
MB 220-45368/1-A		104
LCS 220-45368/2-A		107

Surrogate	Acceptance Limits
OTPH = o-Terphenyl	50-150

Client: CHA Inc

Job Number: 220-14062-1

Surrogate Recovery Report

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Client Matrix: Water

Lab Sample ID	Client Sample ID	OTPH %Rec
220-14062-11	GP-2	85
MB 220-45472/1-A		101

Surrogate	Acceptance Limits
OTPH = o-Terphenyl	50-150

Client: CHA Inc

Job Number: 220-14062-1

Surrogate Recovery Report

8081A Organochlorine Pesticides (GC)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TCX1 %Rec	TCX2 %Rec	DCB1 %Rec	DCB2 %Rec
220-14062-1	GP-1 (4-4.8)	80	75	98	100
220-14062-2	GP-2 (4.4-5)	79	73	99	100
220-14062-3	GP-3 (2-2.7)	91	92	100	109
220-14062-4	GP-4 (8-9.2)	89	85	84	75
220-14062-5	GP-5 (1-1.5)	84	87	80	80
220-14062-6	GP-6 (4-5)	90	89	85	86
220-14062-7	GP-7 (4-4.8)	91	91	92	99
220-14062-8	GP-8 (1-2)	90	90	97	105
MB 460-56994/1-A		90	91	101	105
LCS 460-56994/2-A		95	91	101	107
220-14062-6 MS	GP-6 (4-5) MS	92	88	96	100
220-14062-6 MSD	GP-6 (4-5) MSD	91	89	97	104

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	30-150
DCB = DCB Decachlorobiphenyl	30-150

Client: CHA Inc

Job Number: 220-14062-1

Surrogate Recovery Report

8151A Herbicides (GC)

Client Matrix: Solid TCLP

Lab Sample ID	Client Sample ID	DCPA1 %Rec	DCPA2 %Rec
220-14062-10	GP-3 (2-3)	141	141
MB 460-56999/1-A		143	140
LB 460-56479/1-J		129	129
LCS 460-56999/2-A		136	136
220-14062-10 MS	GP-3 (2-3) MS	127	133
220-14062-10 MSD	GP-3 (2-3) MSD	126	131

Surrogate	Acceptance Limits
DCPA = 2,4-Dichlorophenylacetic acid	87-150

Client: CHA Inc

Job Number: 220-14062-1

Method Blank - Batch: 220-45444

Method: 8260B
Preparation: N/A

Lab Sample ID: MB 220-45444/4
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/19/2010 1401
Date Prepared: N/A

Analysis Batch: 220-45444
Prep Batch: N/A
Units: ug/Kg

Instrument ID: MSO
Lab File ID: O1218.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Acetone	20	U	2.2	20
Acrylonitrile	5.0	U	1.4	5.0
Bromobenzene	5.0	U	0.53	5.0
n-Butylbenzene	5.0	U	1.1	5.0
Benzene	5.0	U	0.57	5.0
sec-Butylbenzene	5.0	U	0.53	5.0
tert-Butylbenzene	5.0	U	0.29	5.0
Dichlorobromomethane	5.0	U	0.30	5.0
Bromoform	5.0	U	0.61	5.0
Bromomethane	5.0	U	2.1	5.0
2-Butanone (MEK)	10	U	1.6	10
Chlorobenzene	5.0	U	0.59	5.0
Carbon disulfide	5.0	U	0.41	5.0
Carbon tetrachloride	5.0	U	0.95	5.0
Chloroethane	5.0	U	0.98	5.0
Chloroform	5.0	U	0.34	5.0
Chloromethane	5.0	U	0.78	5.0
2-Chlorotoluene	5.0	U	0.64	5.0
4-Chlorotoluene	5.0	U	0.63	5.0
Chlorodibromomethane	5.0	U	0.35	5.0
1,2-Dibromo-3-Chloropropane	10	U	4.5	10
Ethylene Dibromide	5.0	U	0.76	5.0
Dibromomethane	5.0	U	0.64	5.0
1,2-Dichlorobenzene	5.0	U	0.24	5.0
1,3-Dichlorobenzene	5.0	U	0.21	5.0
1,4-Dichlorobenzene	5.0	U	0.67	5.0
trans-1,4-Dichloro-2-butene	10	U	1.1	10
Dichlorodifluoromethane	5.0	U	0.35	5.0
1,1-Dichloroethane	5.0	U	0.30	5.0
1,2-Dichloroethane	5.0	U	0.58	5.0
1,1-Dichloroethene	5.0	U	0.58	5.0
cis-1,2-Dichloroethene	5.0	U	0.37	5.0
trans-1,2-Dichloroethene	5.0	U	0.39	5.0
1,2-Dichloropropane	5.0	U	0.67	5.0
1,3-Dichloropropane	5.0	U	0.68	5.0
2,2-Dichloropropane	5.0	U	0.69	5.0
1,1-Dichloropropene	25	U	0.57	25
cis-1,3-Dichloropropene	5.0	U	0.56	5.0
trans-1,3-Dichloropropene	5.0	U	0.27	5.0
Ethylbenzene	5.0	U	0.70	5.0
Hexachlorobutadiene	5.0	U	0.62	5.0
2-Hexanone	10	U	1.2	10
Isopropylbenzene	5.0	U	0.19	5.0

Client: CHA Inc

Job Number: 220-14062-1

Method Blank - Batch: 220-45444

Method: 8260B
Preparation: N/A

Lab Sample ID: MB 220-45444/4
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/19/2010 1401
Date Prepared: N/A

Analysis Batch: 220-45444
Prep Batch: N/A
Units: ug/Kg

Instrument ID: MSO
Lab File ID: O1218.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
4-Isopropyltoluene	5.0	U	0.53	5.0
Methylene Chloride	20	U	1.1	20
4-Methyl-2-pentanone (MIBK)	5.0	U	0.55	5.0
Methyl tert-butyl ether	5.0	U	0.21	5.0
Naphthalene	5.0	U	0.29	5.0
N-Propylbenzene	5.0	U	0.61	5.0
Styrene	5.0	U	0.15	5.0
1,1,1,2-Tetrachloroethane	5.0	U	0.52	5.0
1,1,2,2-Tetrachloroethane	5.0	U	0.52	5.0
Toluene	5.0	U	0.074	5.0
Tetrachloroethene	5.0	U	0.81	5.0
Tetrahydrofuran	20	U	6.2	20
1,2,3-Trichlorobenzene	5.0	U	0.62	5.0
1,2,4-Trichlorobenzene	5.0	U	0.75	5.0
1,1,1-Trichloroethane	5.0	U	0.53	5.0
1,1,2-Trichloroethane	5.0	U	0.37	5.0
Trichloroethene	5.0	U	0.81	5.0
Trichlorofluoromethane	5.0	U	0.15	5.0
1,2,3-Trichloropropane	5.0	U	0.92	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	0.79	5.0
1,2,4-Trimethylbenzene	5.0	U	0.76	5.0
1,3,5-Trimethylbenzene	5.0	U	0.50	5.0
Vinyl chloride	5.0	U	0.23	5.0
m-Xylene & p-Xylene	5.0	U	0.35	5.0
o-Xylene	5.0	U	0.19	5.0
Xylenes, Total	5.0	U	0.49	5.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	91	70 - 130
4-Bromofluorobenzene	88	70 - 130
Dibromofluoromethane	93	70 - 130
Toluene-d8 (Surr)	86	70 - 130

Client: CHA Inc

Job Number: 220-14062-1

Lab Control Sample - Batch: 220-45444

Method: 8260B
Preparation: N/A

Lab Sample ID: LCS 220-45444/3
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/19/2010 1306
Date Prepared: N/A

Analysis Batch: 220-45444
Prep Batch: N/A
Units: ug/Kg

Instrument ID: MSO
Lab File ID: O1216.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acetone	20.0	24.8	124	70 - 130	
Acrylonitrile	40.0	45.2	113	70 - 130	
Bromobenzene	20.0	17.8	89	70 - 130	
n-Butylbenzene	20.0	20.3	102	70 - 130	
Benzene	20.0	19.5	98	70 - 130	
sec-Butylbenzene	20.0	18.4	92	70 - 130	
tert-Butylbenzene	20.0	17.9	89	70 - 130	
Dichlorobromomethane	20.0	18.7	94	70 - 130	
Bromoform	20.0	17.0	85	70 - 130	
Bromomethane	20.0	14.9	75	70 - 130	
2-Butanone (MEK)	20.0	21.8	109	70 - 130	
Chlorobenzene	20.0	18.1	91	70 - 130	
Carbon disulfide	20.0	18.2	91	70 - 130	
Carbon tetrachloride	20.0	19.9	99	70 - 130	
Chloroethane	20.0	16.3	81	70 - 130	
Chloroform	20.0	19.1	96	70 - 130	
Chloromethane	20.0	19.8	99	70 - 130	
2-Chlorotoluene	20.0	18.1	91	70 - 130	
4-Chlorotoluene	20.0	18.0	90	70 - 130	
Chlorodibromomethane	20.0	17.9	89	70 - 130	
1,2-Dibromo-3-Chloropropane	20.0	17.3	87	70 - 130	
Ethylene Dibromide	20.0	19.0	95	70 - 130	
Dibromomethane	20.0	20.5	102	70 - 130	
1,2-Dichlorobenzene	20.0	18.2	91	70 - 130	
1,3-Dichlorobenzene	20.0	18.1	91	70 - 130	
1,4-Dichlorobenzene	20.0	17.7	89	70 - 130	
trans-1,4-Dichloro-2-butene	40.0	35.6	89	70 - 130	
Dichlorodifluoromethane	20.0	24.9	124	70 - 130	
1,1-Dichloroethane	20.0	19.6	98	70 - 130	
1,2-Dichloroethane	20.0	20.7	104	70 - 130	
1,1-Dichloroethene	20.0	19.3	97	70 - 130	
cis-1,2-Dichloroethene	20.0	19.6	98	70 - 130	
trans-1,2-Dichloroethene	20.0	18.8	94	70 - 130	
1,2-Dichloropropane	20.0	20.2	101	70 - 130	
1,3-Dichloropropane	20.0	18.7	94	70 - 130	
2,2-Dichloropropane	20.0	20.2	101	70 - 130	
1,1-Dichloropropene	20.0	25	97	70 - 130	U
cis-1,3-Dichloropropene	20.0	19.2	96	70 - 130	
trans-1,3-Dichloropropene	20.0	19.5	97	70 - 130	
Ethylbenzene	20.0	17.9	89	70 - 130	
Hexachlorobutadiene	20.0	18.0	90	70 - 130	
2-Hexanone	20.0	19.0	95	70 - 130	
Isopropylbenzene	20.0	17.6	88	70 - 130	

Client: CHA Inc

Job Number: 220-14062-1

Lab Control Sample - Batch: 220-45444

Method: 8260B
Preparation: N/A

Lab Sample ID: LCS 220-45444/3
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/19/2010 1306
Date Prepared: N/A

Analysis Batch: 220-45444
Prep Batch: N/A
Units: ug/Kg

Instrument ID: MSO
Lab File ID: O1216.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4-Isopropyltoluene	20.0	18.2	91	70 - 130	
Methylene Chloride	20.0	22.5	113	70 - 130	
4-Methyl-2-pentanone (MIBK)	20.0	19.3	97	70 - 130	
Methyl tert-butyl ether	20.0	19.8	99	70 - 130	
Naphthalene	20.0	22.8	114	70 - 130	
N-Propylbenzene	20.0	18.3	91	70 - 130	
Styrene	20.0	17.4	87	70 - 130	
1,1,1,2-Tetrachloroethane	20.0	17.6	88	70 - 130	
1,1,2,2-Tetrachloroethane	20.0	19.4	97	70 - 130	
Toluene	20.0	17.3	87	70 - 130	
Tetrachloroethene	20.0	17.2	86	70 - 130	
Tetrahydrofuran	40.0	37.2	93	70 - 130	
1,2,3-Trichlorobenzene	20.0	20.3	101	70 - 130	
1,2,4-Trichlorobenzene	20.0	19.2	96	70 - 130	
1,1,1-Trichloroethane	20.0	19.6	98	70 - 130	
1,1,2-Trichloroethane	20.0	20.2	101	70 - 130	
Trichloroethene	20.0	19.4	97	70 - 130	
Trichlorofluoromethane	20.0	18.9	94	70 - 130	
1,2,3-Trichloropropane	20.0	20.9	105	70 - 130	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	19.2	96	70 - 130	
1,2,4-Trimethylbenzene	20.0	18.0	90	70 - 130	
1,3,5-Trimethylbenzene	20.0	17.6	88	70 - 130	
Vinyl chloride	20.0	19.9	100	70 - 130	
m-Xylene & p-Xylene	40.0	35.0	88	70 - 130	
o-Xylene	20.0	17.4	87	70 - 130	
Xylenes, Total	60.0	52.4	87	70 - 130	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105	70 - 130
4-Bromofluorobenzene	89	70 - 130
Dibromofluoromethane	102	70 - 130
Toluene-d8 (Surr)	89	70 - 130

Client: CHA Inc

Job Number: 220-14062-1

Method Blank - Batch: 220-45463

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 220-45463/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/22/2010 1308
Date Prepared: 11/22/2010 1308

Analysis Batch: 220-45463
Prep Batch: N/A
Units: ug/L

Instrument ID: MSV
Lab File ID: V7085.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Acetone	2.0	U	0.58	2.0
Acrylonitrile	2.0	U	0.21	2.0
Bromobenzene	0.50	U	0.12	0.50
n-Butylbenzene	0.50	U	0.10	0.50
Benzene	0.50	U	0.14	0.50
sec-Butylbenzene	0.50	U	0.085	0.50
tert-Butylbenzene	1.0	U	0.29	1.0
Dichlorobromomethane	0.50	U	0.078	0.50
Bromoform	0.50	U	0.13	0.50
Bromomethane	1.0	U	0.21	1.0
2-Butanone (MEK)	2.0	U	0.32	2.0
Chlorobenzene	0.50	U	0.057	0.50
Carbon disulfide	0.50	U	0.077	0.50
Carbon tetrachloride	0.50	U	0.10	0.50
Chloroethane	1.0	U	0.15	1.0
Chloroform	0.50	U	0.12	0.50
Chloromethane	0.50	U	0.20	0.50
2-Chlorotoluene	0.50	U	0.16	0.50
4-Chlorotoluene	0.50	U	0.15	0.50
Chlorodibromomethane	0.50	U	0.088	0.50
1,2-Dibromo-3-Chloropropane	0.50	U	0.21	0.50
Ethylene Dibromide	0.50	U	0.12	0.50
Dibromomethane	0.50	U	0.074	0.50
1,2-Dichlorobenzene	0.50	U	0.063	0.50
1,3-Dichlorobenzene	0.50	U	0.072	0.50
1,4-Dichlorobenzene	0.50	U	0.17	0.50
trans-1,4-Dichloro-2-butene	1.0	U	0.36	1.0
Dichlorodifluoromethane	1.0	U	0.33	1.0
1,1-Dichloroethane	0.50	U	0.13	0.50
1,2-Dichloroethane	0.50	U	0.12	0.50
1,1-Dichloroethene	0.50	U	0.19	0.50
cis-1,2-Dichloroethene	0.50	U	0.21	0.50
trans-1,2-Dichloroethene	0.50	U	0.24	0.50
1,2-Dichloropropane	0.50	U	0.11	0.50
1,3-Dichloropropane	0.50	U	0.11	0.50
2,2-Dichloropropane	0.50	U	0.069	0.50
1,1-Dichloropropene	0.50	U	0.11	0.50
cis-1,3-Dichloropropene	0.50	U	0.13	0.50
trans-1,3-Dichloropropene	0.50	U	0.19	0.50
Ethylbenzene	0.50	U	0.14	0.50
Hexachlorobutadiene	0.50	U	0.058	0.50
2-Hexanone	2.0	U	0.51	2.0
Isopropylbenzene	0.50	U	0.12	0.50

Client: CHA Inc

Job Number: 220-14062-1

Method Blank - Batch: 220-45463

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 220-45463/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/22/2010 1308
Date Prepared: 11/22/2010 1308

Analysis Batch: 220-45463
Prep Batch: N/A
Units: ug/L

Instrument ID: MSV
Lab File ID: V7085.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
4-Isopropyltoluene	0.50	U	0.10	0.50
Methylene Chloride	2.0	U	0.091	2.0
4-Methyl-2-pentanone (MIBK)	2.0	U	0.30	2.0
Methyl tert-butyl ether	0.50	U	0.19	0.50
Naphthalene	0.50	U	0.073	0.50
N-Propylbenzene	0.50	U	0.15	0.50
Styrene	0.50	U	0.17	0.50
1,1,1,2-Tetrachloroethane	0.50	U	0.11	0.50
1,1,2,2-Tetrachloroethane	0.50	U	0.15	0.50
Toluene	0.50	U	0.18	0.50
Tetrachloroethene	0.50	U	0.11	0.50
Tetrahydrofuran	2.0	U	0.95	2.0
1,2,3-Trichlorobenzene	0.50	U	0.047	0.50
1,2,4-Trichlorobenzene	0.50	U	0.073	0.50
1,1,1-Trichloroethane	0.50	U	0.16	0.50
1,1,2-Trichloroethane	0.50	U	0.11	0.50
Trichloroethene	0.50	U	0.11	0.50
Trichlorofluoromethane	0.50	U	0.042	0.50
1,2,3-Trichloropropane	0.50	U	0.17	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	0.14	0.50
1,2,4-Trimethylbenzene	0.50	U	0.13	0.50
1,3,5-Trimethylbenzene	0.50	U	0.11	0.50
Vinyl chloride	0.50	U	0.14	0.50
m-Xylene & p-Xylene	1.0	U	0.30	1.0
o-Xylene	0.50	U	0.12	0.50
Xylenes, Total	1.0	U	0.30	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	95	70 - 130
4-Bromofluorobenzene	93	70 - 130
Dibromofluoromethane	96	70 - 130
Toluene-d8 (Surr)	98	70 - 130

Client: CHA Inc

Job Number: 220-14062-1

Lab Control Sample - Batch: 220-45463

Method: 8260B
Preparation: 5030B

Lab Sample ID: LCS 220-45463/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/22/2010 1119
Date Prepared: 11/22/2010 1119

Analysis Batch: 220-45463
Prep Batch: N/A
Units: ug/L

Instrument ID: MSV
Lab File ID: V7081.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acetone	10.0	8.26	83	70 - 130	
Acrylonitrile	20.0	19.5	98	70 - 130	
Bromobenzene	10.0	10.0	100	70 - 130	
n-Butylbenzene	10.0	10.6	106	70 - 130	
Benzene	10.0	10.5	105	70 - 130	
sec-Butylbenzene	10.0	10.7	107	70 - 130	
tert-Butylbenzene	10.0	10.7	107	70 - 130	
Dichlorobromomethane	10.0	9.67	97	70 - 130	
Bromoform	10.0	9.16	92	70 - 130	
Bromomethane	10.0	10.6	106	70 - 130	
2-Butanone (MEK)	10.0	9.75	97	70 - 130	
Chlorobenzene	10.0	9.91	99	70 - 130	
Carbon disulfide	10.0	11.2	112	70 - 130	
Carbon tetrachloride	10.0	10.8	108	70 - 130	
Chloroethane	10.0	12.4	124	70 - 130	
Chloroform	10.0	10.0	100	70 - 130	
Chloromethane	10.0	10.6	106	70 - 130	
2-Chlorotoluene	10.0	11.1	111	70 - 130	
4-Chlorotoluene	10.0	11.0	110	70 - 130	
Chlorodibromomethane	10.0	9.26	93	70 - 130	
1,2-Dibromo-3-Chloropropane	10.0	9.24	92	70 - 130	
Ethylene Dibromide	10.0	9.27	93	70 - 130	
Dibromomethane	10.0	9.22	92	70 - 130	
1,2-Dichlorobenzene	10.0	9.42	94	70 - 130	
1,3-Dichlorobenzene	10.0	9.87	99	70 - 130	
1,4-Dichlorobenzene	10.0	9.60	96	70 - 130	
trans-1,4-Dichloro-2-butene	20.0	19.4	97	70 - 130	
Dichlorodifluoromethane	10.0	13.2	132	70 - 130	*
1,1-Dichloroethane	10.0	10.3	103	70 - 130	
1,2-Dichloroethane	10.0	9.64	96	70 - 130	
1,1-Dichloroethene	10.0	11.5	115	70 - 130	
cis-1,2-Dichloroethene	10.0	9.96	100	70 - 130	
trans-1,2-Dichloroethene	10.0	10.6	106	70 - 130	
1,2-Dichloropropane	10.0	9.63	96	70 - 130	
1,3-Dichloropropane	10.0	9.49	95	70 - 130	
2,2-Dichloropropane	10.0	11.1	111	70 - 130	
1,1-Dichloropropene	10.0	12.1	121	70 - 130	
cis-1,3-Dichloropropene	10.0	10.0	100	70 - 130	
trans-1,3-Dichloropropene	10.0	9.88	99	70 - 130	
Ethylbenzene	10.0	11.3	113	70 - 130	
Hexachlorobutadiene	10.0	9.60	96	70 - 130	
2-Hexanone	10.0	8.78	88	70 - 130	
Isopropylbenzene	10.0	10.2	102	70 - 130	

Client: CHA Inc

Job Number: 220-14062-1

Lab Control Sample - Batch: 220-45463

Method: 8260B
Preparation: 5030B

Lab Sample ID: LCS 220-45463/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/22/2010 1119
Date Prepared: 11/22/2010 1119

Analysis Batch: 220-45463
Prep Batch: N/A
Units: ug/L

Instrument ID: MSV
Lab File ID: V7081.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4-Isopropyltoluene	10.0	10.3	103	70 - 130	
Methylene Chloride	10.0	9.31	93	70 - 130	
4-Methyl-2-pentanone (MIBK)	10.0	9.38	94	70 - 130	
Methyl tert-butyl ether	10.0	9.52	95	70 - 130	
Naphthalene	10.0	9.00	90	70 - 130	
N-Propylbenzene	10.0	10.5	105	70 - 130	
Styrene	10.0	10.3	103	70 - 130	
1,1,1,2-Tetrachloroethane	10.0	9.75	98	70 - 130	
1,1,2,2-Tetrachloroethane	10.0	8.89	89	70 - 130	
Toluene	10.0	10.9	109	70 - 130	
Tetrachloroethene	10.0	10.8	108	70 - 130	
Tetrahydrofuran	20.0	18.7	94	70 - 130	
1,2,3-Trichlorobenzene	10.0	8.90	89	70 - 130	
1,2,4-Trichlorobenzene	10.0	8.96	90	70 - 130	
1,1,1-Trichloroethane	10.0	11.2	112	70 - 130	
1,1,2-Trichloroethane	10.0	9.51	95	70 - 130	
Trichloroethene	10.0	10.5	105	70 - 130	
Trichlorofluoromethane	10.0	11.8	118	70 - 130	
1,2,3-Trichloropropane	10.0	8.92	89	70 - 130	
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	11.8	118	70 - 130	
1,2,4-Trimethylbenzene	10.0	9.87	99	70 - 130	
1,3,5-Trimethylbenzene	10.0	11.9	119	70 - 130	
Vinyl chloride	10.0	12.5	125	70 - 130	
m-Xylene & p-Xylene	20.0	22.9	115	70 - 130	
o-Xylene	10.0	10.4	104	70 - 130	
Xylenes, Total	30.0	33.3	111	70 - 130	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	85	70 - 130
4-Bromofluorobenzene	97	70 - 130
Dibromofluoromethane	92	70 - 130
Toluene-d8 (Surr)	101	70 - 130

Client: CHA Inc

Job Number: 220-14062-1

Method Blank - Batch: 220-45502

Method: 8260B
Preparation: N/A

Lab Sample ID: MB 220-45502/3
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/22/2010 1652
Date Prepared: N/A

Analysis Batch: 220-45502
Prep Batch: N/A
Units: ug/Kg

Instrument ID: MSW
Lab File ID: W7171.D
Initial Weight/Volume: 100 uL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Acetone	120	U	24	120
Acrylonitrile	120	U	24	120
Bromobenzene	50	U	2.0	50
n-Butylbenzene	25	U	3.5	25
Benzene	12	U	2.5	12
sec-Butylbenzene	25	U	1.5	25
tert-Butylbenzene	25	U	3.0	25
Dichlorobromomethane	25	U	10	25
Bromoform	25	U	3.0	25
Bromomethane	75	U	20	75
2-Butanone (MEK)	50	U	16	50
Chlorobenzene	25	U	2.0	25
Carbon disulfide	25	U	2.5	25
Carbon tetrachloride	25	U	2.5	25
Chloroethane	75	U	19	75
Chloroform	25	U	5.5	25
Chloromethane	25	U	8.0	25
2-Chlorotoluene	25	U	4.0	25
4-Chlorotoluene	25	U	3.5	25
Chlorodibromomethane	25	U	2.0	25
1,2-Dibromo-3-Chloropropane	25	U	8.0	25
Ethylene Dibromide	25	U	1.0	25
Dibromomethane	25	U	5.0	25
1,2-Dichlorobenzene	25	U	4.0	25
1,3-Dichlorobenzene	25	U	3.0	25
1,4-Dichlorobenzene	25	U	2.5	25
trans-1,4-Dichloro-2-butene	50	U	16	50
Dichlorodifluoromethane	25	U	7.0	25
1,1-Dichloroethane	25	U	3.0	25
1,2-Dichloroethane	25	U	2.5	25
1,1-Dichloroethene	25	U	2.5	25
cis-1,2-Dichloroethene	25	U	6.5	25
trans-1,2-Dichloroethene	50	U	4.5	50
1,2-Dichloropropane	25	U	1.0	25
1,3-Dichloropropane	25	U	2.5	25
2,2-Dichloropropane	25	U	2.0	25
1,1-Dichloropropene	50	U	4.5	50
cis-1,3-Dichloropropene	25	U	3.0	25
trans-1,3-Dichloropropene	25	U	2.0	25
Ethylbenzene	25	U	5.0	25
Hexachlorobutadiene	25	U	4.0	25
2-Hexanone	50	U	16	50
Isopropylbenzene	25	U	2.0	25

Client: CHA Inc

Job Number: 220-14062-1

Method Blank - Batch: 220-45502

Method: 8260B
Preparation: N/A

Lab Sample ID: MB 220-45502/3
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/22/2010 1652
Date Prepared: N/A

Analysis Batch: 220-45502
Prep Batch: N/A
Units: ug/Kg

Instrument ID: MSW
Lab File ID: W7171.D
Initial Weight/Volume: 100 uL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
4-Isopropyltoluene	25	U	1.5	25
Methylene Chloride	120	U	14	120
4-Methyl-2-pentanone (MIBK)	50	U	7.5	50
Methyl tert-butyl ether	25	U	2.5	25
Naphthalene	25	U	1.0	25
N-Propylbenzene	25	U	3.0	25
Styrene	25	U	2.0	25
1,1,1,2-Tetrachloroethane	25	U	3.5	25
1,1,2,2-Tetrachloroethane	25	U	3.5	25
Toluene	25	U	3.0	25
Tetrachloroethene	25	U	2.5	25
Tetrahydrofuran	75	U	14	75
1,2,3-Trichlorobenzene	25	U	1.5	25
1,2,4-Trichlorobenzene	25	U	3.0	25
1,1,1-Trichloroethane	25	U	6.5	25
1,1,2-Trichloroethane	25	U	10	25
Trichloroethene	25	U	2.5	25
Trichlorofluoromethane	25	U	3.0	25
1,2,3-Trichloropropane	50	U	1.0	50
1,1,2-Trichloro-1,2,2-trifluoroethane	50	U	2.0	50
1,2,4-Trimethylbenzene	25	U	2.0	25
1,3,5-Trimethylbenzene	25	U	2.5	25
Vinyl chloride	25	U	4.5	25
m-Xylene & p-Xylene	25	U	4.0	25
o-Xylene	25	U	4.0	25
Xylenes, Total	50	U	4.0	50

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	80	70 - 130
4-Bromofluorobenzene	85	70 - 130
Dibromofluoromethane	80	70 - 130
Toluene-d8 (Surr)	88	70 - 130

Client: CHA Inc

Job Number: 220-14062-1

Lab Control Sample - Batch: 220-45502

Method: 8260B
Preparation: N/A

Lab Sample ID: LCS 220-45502/2
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/22/2010 1538
Date Prepared: N/A

Analysis Batch: 220-45502
Prep Batch: N/A
Units: ug/Kg

Instrument ID: MSW
Lab File ID: W7168.D
Initial Weight/Volume: 100 uL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acetone	500	699	140	70 - 130	*
Acrylonitrile	1000	886	89	70 - 130	
Bromobenzene	500	519	104	70 - 130	
n-Butylbenzene	500	492	98	70 - 130	
Benzene	500	493	99	70 - 130	
sec-Butylbenzene	500	540	108	70 - 130	
tert-Butylbenzene	500	502	100	70 - 130	
Dichlorobromomethane	500	482	96	70 - 130	
Bromoform	500	472	94	70 - 130	
Bromomethane	500	385	77	70 - 130	
2-Butanone (MEK)	500	479	96	70 - 130	
Chlorobenzene	500	487	97	70 - 130	
Carbon disulfide	500	461	92	70 - 130	
Carbon tetrachloride	500	526	105	70 - 130	
Chloroethane	500	380	76	70 - 130	
Chloroform	500	497	99	70 - 130	
Chloromethane	500	431	86	70 - 130	
2-Chlorotoluene	500	503	101	70 - 130	
4-Chlorotoluene	500	507	101	70 - 130	
Chlorodibromomethane	500	469	94	70 - 130	
1,2-Dibromo-3-Chloropropane	500	378	76	70 - 130	
Ethylene Dibromide	500	456	91	70 - 130	
Dibromomethane	500	457	91	70 - 130	
1,2-Dichlorobenzene	500	465	93	70 - 130	
1,3-Dichlorobenzene	500	475	95	70 - 130	
1,4-Dichlorobenzene	500	477	95	70 - 130	
trans-1,4-Dichloro-2-butene	1000	912	91	70 - 130	
Dichlorodifluoromethane	500	377	75	70 - 130	
1,1-Dichloroethane	500	493	99	70 - 130	
1,2-Dichloroethane	500	439	88	70 - 130	
1,1-Dichloroethene	500	517	103	70 - 130	
cis-1,2-Dichloroethene	500	501	100	70 - 130	
trans-1,2-Dichloroethene	500	519	104	70 - 130	
1,2-Dichloropropane	500	473	95	70 - 130	
1,3-Dichloropropane	500	451	90	70 - 130	
2,2-Dichloropropane	500	591	118	70 - 130	
1,1-Dichloropropene	500	491	98	70 - 130	
cis-1,3-Dichloropropene	500	472	94	70 - 130	
trans-1,3-Dichloropropene	500	474	95	70 - 130	
Ethylbenzene	500	545	109	70 - 130	
Hexachlorobutadiene	500	382	76	70 - 130	
2-Hexanone	500	467	93	70 - 130	
Isopropylbenzene	500	480	96	70 - 130	

Client: CHA Inc

Job Number: 220-14062-1

Lab Control Sample - Batch: 220-45502

Method: 8260B
Preparation: N/A

Lab Sample ID: LCS 220-45502/2
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/22/2010 1538
Date Prepared: N/A

Analysis Batch: 220-45502
Prep Batch: N/A
Units: ug/Kg

Instrument ID: MSW
Lab File ID: W7168.D
Initial Weight/Volume: 100 uL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4-Isopropyltoluene	500	514	103	70 - 130	
Methylene Chloride	500	380	76	70 - 130	
4-Methyl-2-pentanone (MIBK)	500	441	88	70 - 130	
Methyl tert-butyl ether	500	441	88	70 - 130	
Naphthalene	500	380	76	70 - 130	
N-Propylbenzene	500	479	96	70 - 130	
Styrene	500	503	101	70 - 130	
1,1,1,2-Tetrachloroethane	500	501	100	70 - 130	
1,1,2,2-Tetrachloroethane	500	453	91	70 - 130	
Toluene	500	520	104	70 - 130	
Tetrachloroethene	500	578	116	70 - 130	
Tetrahydrofuran	1000	791	79	70 - 130	
1,2,3-Trichlorobenzene	500	428	86	70 - 130	
1,2,4-Trichlorobenzene	500	430	86	70 - 130	
1,1,1-Trichloroethane	500	496	99	70 - 130	
1,1,2-Trichloroethane	500	468	94	70 - 130	
Trichloroethene	500	550	110	70 - 130	
Trichlorofluoromethane	500	376	75	70 - 130	
1,2,3-Trichloropropane	500	445	89	70 - 130	
1,1,2-Trichloro-1,2,2-trifluoroethane	500	549	110	70 - 130	
1,2,4-Trimethylbenzene	500	499	100	70 - 130	
1,3,5-Trimethylbenzene	500	487	97	70 - 130	
Vinyl chloride	500	424	85	70 - 130	
m-Xylene & p-Xylene	1000	1030	103	70 - 130	
o-Xylene	500	492	98	70 - 130	
Xylenes, Total	1500	1520	101	70 - 130	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	80	70 - 130
4-Bromofluorobenzene	93	70 - 130
Dibromofluoromethane	83	70 - 130
Toluene-d8 (Surr)	92	70 - 130

Client: CHA Inc

Job Number: 220-14062-1

Method Blank - Batch: 220-45506

Method: 8260B
Preparation: N/A

Lab Sample ID: MB 220-45506/3
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/24/2010 1118
Date Prepared: N/A

Analysis Batch: 220-45506
Prep Batch: N/A
Units: ug/Kg

Instrument ID: MSW
Lab File ID: W7259.D
Initial Weight/Volume: 100 uL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Acetone	120	U	24	120
Acrylonitrile	120	U	24	120
Bromobenzene	50	U	2.0	50
n-Butylbenzene	25	U	3.5	25
Benzene	12	U	2.5	12
sec-Butylbenzene	25	U	1.5	25
tert-Butylbenzene	25	U	3.0	25
Dichlorobromomethane	25	U	10	25
Bromoform	25	U	3.0	25
Bromomethane	75	U	20	75
2-Butanone (MEK)	50	U	16	50
Chlorobenzene	25	U	2.0	25
Carbon disulfide	25	U	2.5	25
Carbon tetrachloride	25	U	2.5	25
Chloroethane	75	U	19	75
Chloroform	25	U	5.5	25
Chloromethane	25	U	8.0	25
2-Chlorotoluene	25	U	4.0	25
4-Chlorotoluene	25	U	3.5	25
Chlorodibromomethane	25	U	2.0	25
1,2-Dibromo-3-Chloropropane	25	U	8.0	25
Ethylene Dibromide	25	U	1.0	25
Dibromomethane	25	U	5.0	25
1,2-Dichlorobenzene	25	U	4.0	25
1,3-Dichlorobenzene	25	U	3.0	25
1,4-Dichlorobenzene	25	U	2.5	25
trans-1,4-Dichloro-2-butene	50	U	16	50
Dichlorodifluoromethane	25	U	7.0	25
1,1-Dichloroethane	25	U	3.0	25
1,2-Dichloroethane	25	U	2.5	25
1,1-Dichloroethene	25	U	2.5	25
cis-1,2-Dichloroethene	25	U	6.5	25
trans-1,2-Dichloroethene	50	U	4.5	50
1,2-Dichloropropane	25	U	1.0	25
1,3-Dichloropropane	25	U	2.5	25
2,2-Dichloropropane	25	U	2.0	25
1,1-Dichloropropene	50	U	4.5	50
cis-1,3-Dichloropropene	25	U	3.0	25
trans-1,3-Dichloropropene	25	U	2.0	25
Ethylbenzene	25	U	5.0	25
Hexachlorobutadiene	25	U	4.0	25
2-Hexanone	50	U	16	50
Isopropylbenzene	25	U	2.0	25

Client: CHA Inc

Job Number: 220-14062-1

Method Blank - Batch: 220-45506

Method: 8260B
Preparation: N/A

Lab Sample ID: MB 220-45506/3
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/24/2010 1118
Date Prepared: N/A

Analysis Batch: 220-45506
Prep Batch: N/A
Units: ug/Kg

Instrument ID: MSW
Lab File ID: W7259.D
Initial Weight/Volume: 100 uL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
4-Isopropyltoluene	25	U	1.5	25
Methylene Chloride	120	U	14	120
4-Methyl-2-pentanone (MIBK)	50	U	7.5	50
Methyl tert-butyl ether	25	U	2.5	25
Naphthalene	26.0		1.0	25
N-Propylbenzene	25	U	3.0	25
Styrene	25	U	2.0	25
1,1,1,2-Tetrachloroethane	25	U	3.5	25
1,1,2,2-Tetrachloroethane	25	U	3.5	25
Toluene	25	U	3.0	25
Tetrachloroethene	25	U	2.5	25
Tetrahydrofuran	75	U	14	75
1,2,3-Trichlorobenzene	25	U	1.5	25
1,2,4-Trichlorobenzene	25	U	3.0	25
1,1,1-Trichloroethane	25	U	6.5	25
1,1,2-Trichloroethane	25	U	10	25
Trichloroethene	25	U	2.5	25
Trichlorofluoromethane	25	U	3.0	25
1,2,3-Trichloropropane	50	U	1.0	50
1,1,2-Trichloro-1,2,2-trifluoroethane	50	U	2.0	50
1,2,4-Trimethylbenzene	25	U	2.0	25
1,3,5-Trimethylbenzene	25	U	2.5	25
Vinyl chloride	25	U	4.5	25
m-Xylene & p-Xylene	25	U	4.0	25
o-Xylene	25	U	4.0	25
Xylenes, Total	50	U	4.0	50

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	90	70 - 130
4-Bromofluorobenzene	85	70 - 130
Dibromofluoromethane	86	70 - 130
Toluene-d8 (Surr)	96	70 - 130

Client: CHA Inc

Job Number: 220-14062-1

Lab Control Sample - Batch: 220-45506

Method: 8260B
Preparation: N/A

Lab Sample ID: LCS 220-45506/2
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/24/2010 1003
Date Prepared: N/A

Analysis Batch: 220-45506
Prep Batch: N/A
Units: ug/Kg

Instrument ID: MSW
Lab File ID: W7256.D
Initial Weight/Volume: 100 uL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acetone	500	682	136	70 - 130	*
Acrylonitrile	1000	911	91	70 - 130	
Bromobenzene	500	486	97	70 - 130	
n-Butylbenzene	500	450	90	70 - 130	
Benzene	500	466	93	70 - 130	
sec-Butylbenzene	500	490	98	70 - 130	
tert-Butylbenzene	500	462	92	70 - 130	
Dichlorobromomethane	500	471	94	70 - 130	
Bromoform	500	446	89	70 - 130	
Bromomethane	500	436	87	70 - 130	
2-Butanone (MEK)	500	488	98	70 - 130	
Chlorobenzene	500	461	92	70 - 130	
Carbon disulfide	500	466	93	70 - 130	
Carbon tetrachloride	500	477	95	70 - 130	
Chloroethane	500	447	89	70 - 130	
Chloroform	500	469	94	70 - 130	
Chloromethane	500	493	99	70 - 130	
2-Chlorotoluene	500	463	93	70 - 130	
4-Chlorotoluene	500	460	92	70 - 130	
Chlorodibromomethane	500	437	87	70 - 130	
1,2-Dibromo-3-Chloropropane	500	377	75	70 - 130	
Ethylene Dibromide	500	440	88	70 - 130	
Dibromomethane	500	440	88	70 - 130	
1,2-Dichlorobenzene	500	435	87	70 - 130	
1,3-Dichlorobenzene	500	434	87	70 - 130	
1,4-Dichlorobenzene	500	436	87	70 - 130	
trans-1,4-Dichloro-2-butene	1000	919	92	70 - 130	
Dichlorodifluoromethane	500	655	131	70 - 130	*
1,1-Dichloroethane	500	465	93	70 - 130	
1,2-Dichloroethane	500	451	90	70 - 130	
1,1-Dichloroethene	500	497	99	70 - 130	
cis-1,2-Dichloroethene	500	482	96	70 - 130	
trans-1,2-Dichloroethene	500	504	101	70 - 130	
1,2-Dichloropropane	500	447	89	70 - 130	
1,3-Dichloropropane	500	435	87	70 - 130	
2,2-Dichloropropane	500	558	112	70 - 130	
1,1-Dichloropropene	500	467	93	70 - 130	
cis-1,3-Dichloropropene	500	453	91	70 - 130	
trans-1,3-Dichloropropene	500	458	92	70 - 130	
Ethylbenzene	500	486	97	70 - 130	
Hexachlorobutadiene	500	358	72	70 - 130	
2-Hexanone	500	470	94	70 - 130	
Isopropylbenzene	500	440	88	70 - 130	

Client: CHA Inc

Job Number: 220-14062-1

Lab Control Sample - Batch: 220-45506

Method: 8260B
Preparation: N/A

Lab Sample ID: LCS 220-45506/2
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/24/2010 1003
Date Prepared: N/A

Analysis Batch: 220-45506
Prep Batch: N/A
Units: ug/Kg

Instrument ID: MSW
Lab File ID: W7256.D
Initial Weight/Volume: 100 uL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4-Isopropyltoluene	500	477	95	70 - 130	
Methylene Chloride	500	376	75	70 - 130	
4-Methyl-2-pentanone (MIBK)	500	446	89	70 - 130	
Methyl tert-butyl ether	500	443	89	70 - 130	
Naphthalene	500	433	87	70 - 130	
N-Propylbenzene	500	440	88	70 - 130	
Styrene	500	467	93	70 - 130	
1,1,1,2-Tetrachloroethane	500	448	90	70 - 130	
1,1,2,2-Tetrachloroethane	500	436	87	70 - 130	
Toluene	500	471	94	70 - 130	
Tetrachloroethene	500	553	111	70 - 130	
Tetrahydrofuran	1000	821	82	70 - 130	
1,2,3-Trichlorobenzene	500	412	82	70 - 130	
1,2,4-Trichlorobenzene	500	417	83	70 - 130	
1,1,1-Trichloroethane	500	467	93	70 - 130	
1,1,2-Trichloroethane	500	474	95	70 - 130	
Trichloroethene	500	516	103	70 - 130	
Trichlorofluoromethane	500	411	82	70 - 130	
1,2,3-Trichloropropane	500	441	88	70 - 130	
1,1,2-Trichloro-1,2,2-trifluoroethane	500	507	101	70 - 130	
1,2,4-Trimethylbenzene	500	470	94	70 - 130	
1,3,5-Trimethylbenzene	500	444	89	70 - 130	
Vinyl chloride	500	548	110	70 - 130	
m-Xylene & p-Xylene	1000	955	96	70 - 130	
o-Xylene	500	469	94	70 - 130	
Xylenes, Total	1500	1420	95	70 - 130	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	90	70 - 130
4-Bromofluorobenzene	88	70 - 130
Dibromofluoromethane	90	70 - 130
Toluene-d8 (Surr)	96	70 - 130

Client: CHA Inc

Job Number: 220-14062-1

Method Blank - Batch: 220-45551

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 220-45551/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/24/2010 1143
Date Prepared: 11/24/2010 1143

Analysis Batch: 220-45551
Prep Batch: N/A
Units: mg/L

Instrument ID: MSW
Lab File ID: W7260.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Benzene	0.00050	U	0.00014	0.00050
2-Butanone (MEK)	0.0020	U	0.00032	0.0020
Chlorobenzene	0.00050	U	0.000057	0.00050
Carbon tetrachloride	0.00050	U	0.00010	0.00050
Chloroform	0.00050	U	0.00012	0.00050
1,2-Dichloroethane	0.00050	U	0.00011	0.00050
1,1-Dichloroethene	0.00050	U	0.00019	0.00050
Tetrachloroethene	0.00050	U	0.00011	0.00050
Trichloroethene	0.00050	U	0.00011	0.00050
Vinyl chloride	0.00050	U	0.00014	0.00050

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	92	70 - 130
4-Bromofluorobenzene	86	70 - 130
Dibromofluoromethane	90	70 - 130
Toluene-d8 (Surr)	94	70 - 130

Client: CHA Inc

Job Number: 220-14062-1

TCLP SPLPE Leachate Blank - Batch: 220-45551

Method: 8260B
Preparation: 5030B
TCLP

Lab Sample ID: LB 220-45464/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/24/2010 1728
Date Prepared: 11/24/2010 1728
Date Leached: 11/23/2010 1945

Analysis Batch: 220-45551
Prep Batch: N/A
Units: mg/L

Leachate Batch: 220-45464

Instrument ID: MSW
Lab File ID: W7274.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Benzene	0.00050	U	0.00014	0.00050
2-Butanone (MEK)	0.0020	U	0.00032	0.0020
Chlorobenzene	0.00050	U	0.000057	0.00050
Carbon tetrachloride	0.00050	U	0.00010	0.00050
Chloroform	0.00161		0.00012	0.00050
1,2-Dichloroethane	0.00050	U	0.00011	0.00050
1,1-Dichloroethene	0.00050	U	0.00019	0.00050
Tetrachloroethene	0.00490		0.00011	0.00050
Trichloroethene	0.00050	U	0.00011	0.00050
Vinyl chloride	0.00050	U	0.00014	0.00050

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	92	70 - 130
4-Bromofluorobenzene	95	70 - 130
Dibromofluoromethane	92	70 - 130
Toluene-d8 (Surr)	90	70 - 130

Client: CHA Inc

Job Number: 220-14062-1

Lab Control Sample - Batch: 220-45551

Method: 8260B
Preparation: 5030B

Lab Sample ID: LCS 220-45551/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/24/2010 1003
Date Prepared: 11/24/2010 1003

Analysis Batch: 220-45551
Prep Batch: N/A
Units: mg/L

Instrument ID: MSW
Lab File ID: W7256.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	0.0100	0.00933	93	70 - 130	
2-Butanone (MEK)	0.0100	0.00976	98	70 - 130	
Chlorobenzene	0.0100	0.00921	92	70 - 130	
Carbon tetrachloride	0.0100	0.00954	95	70 - 130	
Chloroform	0.0100	0.00938	94	70 - 130	
1,2-Dichloroethane	0.0100	0.00901	90	70 - 130	
1,1-Dichloroethene	0.0100	0.00994	99	70 - 130	
Tetrachloroethene	0.0100	0.0111	111	70 - 130	
Trichloroethene	0.0100	0.0103	103	70 - 130	
Vinyl chloride	0.0100	0.0110	110	70 - 130	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	90	70 - 130
4-Bromofluorobenzene	88	70 - 130
Dibromofluoromethane	90	70 - 130
Toluene-d8 (Surr)	96	70 - 130

Client: CHA Inc

Job Number: 220-14062-1

Method Blank - Batch: 220-45592

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 220-45592/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/29/2010 1441
Date Prepared: 11/29/2010 1441

Analysis Batch: 220-45592
Prep Batch: N/A
Units: ug/L

Instrument ID: MSV
Lab File ID: V7186.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Acetone	2.0	U	0.58	2.0
Acrylonitrile	2.0	U	0.21	2.0
Bromobenzene	0.50	U	0.12	0.50
n-Butylbenzene	0.50	U	0.10	0.50
Benzene	0.50	U	0.14	0.50
sec-Butylbenzene	0.50	U	0.085	0.50
tert-Butylbenzene	1.0	U	0.29	1.0
Dichlorobromomethane	0.50	U	0.078	0.50
Bromoform	0.50	U	0.13	0.50
Bromomethane	1.0	U	0.21	1.0
2-Butanone (MEK)	2.0	U	0.32	2.0
Chlorobenzene	0.50	U	0.057	0.50
Carbon disulfide	0.50	U	0.077	0.50
Carbon tetrachloride	0.50	U	0.10	0.50
Chloroethane	1.0	U	0.15	1.0
Chloroform	0.50	U	0.12	0.50
Chloromethane	0.50	U	0.20	0.50
2-Chlorotoluene	0.50	U	0.16	0.50
4-Chlorotoluene	0.50	U	0.15	0.50
Chlorodibromomethane	0.50	U	0.088	0.50
1,2-Dibromo-3-Chloropropane	0.50	U	0.21	0.50
Ethylene Dibromide	0.50	U	0.12	0.50
Dibromomethane	0.50	U	0.074	0.50
1,2-Dichlorobenzene	0.50	U	0.063	0.50
1,3-Dichlorobenzene	0.50	U	0.072	0.50
1,4-Dichlorobenzene	0.50	U	0.17	0.50
trans-1,4-Dichloro-2-butene	1.0	U	0.36	1.0
Dichlorodifluoromethane	1.0	U	0.33	1.0
1,1-Dichloroethane	0.50	U	0.13	0.50
1,2-Dichloroethane	0.50	U	0.12	0.50
1,1-Dichloroethene	0.50	U	0.19	0.50
cis-1,2-Dichloroethene	0.50	U	0.21	0.50
trans-1,2-Dichloroethene	0.50	U	0.24	0.50
1,2-Dichloropropane	0.50	U	0.11	0.50
1,3-Dichloropropane	0.50	U	0.11	0.50
2,2-Dichloropropane	0.50	U	0.069	0.50
1,1-Dichloropropene	0.50	U	0.11	0.50
cis-1,3-Dichloropropene	0.50	U	0.13	0.50
trans-1,3-Dichloropropene	0.50	U	0.19	0.50
Ethylbenzene	0.50	U	0.14	0.50
Hexachlorobutadiene	0.50	U	0.058	0.50
2-Hexanone	2.0	U	0.51	2.0
Isopropylbenzene	0.50	U	0.12	0.50

Client: CHA Inc

Job Number: 220-14062-1

Method Blank - Batch: 220-45592

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 220-45592/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/29/2010 1441
Date Prepared: 11/29/2010 1441

Analysis Batch: 220-45592
Prep Batch: N/A
Units: ug/L

Instrument ID: MSV
Lab File ID: V7186.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
4-Isopropyltoluene	0.50	U	0.10	0.50
Methylene Chloride	2.0	U	0.091	2.0
4-Methyl-2-pentanone (MIBK)	2.0	U	0.30	2.0
Methyl tert-butyl ether	0.50	U	0.19	0.50
Naphthalene	0.50	U	0.073	0.50
N-Propylbenzene	0.50	U	0.15	0.50
Styrene	0.50	U	0.17	0.50
1,1,1,2-Tetrachloroethane	0.50	U	0.11	0.50
1,1,2,2-Tetrachloroethane	0.50	U	0.15	0.50
Toluene	0.50	U	0.18	0.50
Tetrachloroethene	0.50	U	0.11	0.50
Tetrahydrofuran	2.0	U	0.95	2.0
1,2,3-Trichlorobenzene	0.50	U	0.047	0.50
1,2,4-Trichlorobenzene	0.50	U	0.073	0.50
1,1,1-Trichloroethane	0.50	U	0.16	0.50
1,1,2-Trichloroethane	0.50	U	0.11	0.50
Trichloroethene	0.50	U	0.11	0.50
Trichlorofluoromethane	0.50	U	0.042	0.50
1,2,3-Trichloropropane	0.50	U	0.17	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	0.14	0.50
1,2,4-Trimethylbenzene	0.50	U	0.13	0.50
1,3,5-Trimethylbenzene	0.50	U	0.11	0.50
Vinyl chloride	0.50	U	0.14	0.50
m-Xylene & p-Xylene	1.0	U	0.30	1.0
o-Xylene	0.50	U	0.12	0.50
Xylenes, Total	1.0	U	0.30	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	88	70 - 130
4-Bromofluorobenzene	95	70 - 130
Dibromofluoromethane	97	70 - 130
Toluene-d8 (Surr)	92	70 - 130

Client: CHA Inc

Job Number: 220-14062-1

Lab Control Sample - Batch: 220-45592

Method: 8260B
Preparation: 5030B

Lab Sample ID: LCS 220-45592/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/29/2010 1126
Date Prepared: 11/29/2010 1126

Analysis Batch: 220-45592
Prep Batch: N/A
Units: ug/L

Instrument ID: MSV
Lab File ID: V7182.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acetone	10.0	16.0	160	70 - 130	*
Acrylonitrile	20.0	20.4	102	70 - 130	
Bromobenzene	10.0	8.63	86	70 - 130	
n-Butylbenzene	10.0	9.15	92	70 - 130	
Benzene	10.0	9.60	96	70 - 130	
sec-Butylbenzene	10.0	9.56	96	70 - 130	
tert-Butylbenzene	10.0	9.09	91	70 - 130	
Dichlorobromomethane	10.0	9.24	92	70 - 130	
Bromoform	10.0	8.51	85	70 - 130	
Bromomethane	10.0	10.0	100	70 - 130	
2-Butanone (MEK)	10.0	13.0	130	70 - 130	
Chlorobenzene	10.0	8.44	84	70 - 130	
Carbon disulfide	10.0	10.3	103	70 - 130	
Carbon tetrachloride	10.0	10.5	105	70 - 130	
Chloroethane	10.0	12.9	129	70 - 130	
Chloroform	10.0	9.02	90	70 - 130	
Chloromethane	10.0	10.5	105	70 - 130	
2-Chlorotoluene	10.0	9.41	94	70 - 130	
4-Chlorotoluene	10.0	9.11	91	70 - 130	
Chlorodibromomethane	10.0	8.48	85	70 - 130	
1,2-Dibromo-3-Chloropropane	10.0	9.15	92	70 - 130	
Ethylene Dibromide	10.0	8.54	85	70 - 130	
Dibromomethane	10.0	9.08	91	70 - 130	
1,2-Dichlorobenzene	10.0	8.17	82	70 - 130	
1,3-Dichlorobenzene	10.0	8.41	84	70 - 130	
1,4-Dichlorobenzene	10.0	8.31	83	70 - 130	
trans-1,4-Dichloro-2-butene	20.0	18.1	90	70 - 130	
Dichlorodifluoromethane	10.0	12.4	124	70 - 130	
1,1-Dichloroethane	10.0	9.35	93	70 - 130	
1,2-Dichloroethane	10.0	8.64	86	70 - 130	
1,1-Dichloroethene	10.0	9.52	95	70 - 130	
cis-1,2-Dichloroethene	10.0	9.39	94	70 - 130	
trans-1,2-Dichloroethene	10.0	9.48	95	70 - 130	
1,2-Dichloropropane	10.0	9.13	91	70 - 130	
1,3-Dichloropropane	10.0	8.45	85	70 - 130	
2,2-Dichloropropane	10.0	10.2	102	70 - 130	
1,1-Dichloropropene	10.0	10.8	108	70 - 130	
cis-1,3-Dichloropropene	10.0	9.61	96	70 - 130	
trans-1,3-Dichloropropene	10.0	9.50	95	70 - 130	
Ethylbenzene	10.0	9.31	93	70 - 130	
Hexachlorobutadiene	10.0	8.55	85	70 - 130	
2-Hexanone	10.0	10.1	101	70 - 130	
Isopropylbenzene	10.0	8.86	89	70 - 130	

Client: CHA Inc

Job Number: 220-14062-1

Lab Control Sample - Batch: 220-45592

Method: 8260B
Preparation: 5030B

Lab Sample ID: LCS 220-45592/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/29/2010 1126
Date Prepared: 11/29/2010 1126

Analysis Batch: 220-45592
Prep Batch: N/A
Units: ug/L

Instrument ID: MSV
Lab File ID: V7182.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4-Isopropyltoluene	10.0	9.27	93	70 - 130	
Methylene Chloride	10.0	8.76	88	70 - 130	
4-Methyl-2-pentanone (MIBK)	10.0	9.36	94	70 - 130	
Methyl tert-butyl ether	10.0	9.68	97	70 - 130	
Naphthalene	10.0	8.40	84	70 - 130	
N-Propylbenzene	10.0	9.03	90	70 - 130	
Styrene	10.0	8.81	88	70 - 130	
1,1,1,2-Tetrachloroethane	10.0	8.31	83	70 - 130	
1,1,2,2-Tetrachloroethane	10.0	8.35	83	70 - 130	
Toluene	10.0	9.15	91	70 - 130	
Tetrachloroethene	10.0	9.29	93	70 - 130	
Tetrahydrofuran	20.0	20.7	103	70 - 130	
1,2,3-Trichlorobenzene	10.0	8.08	81	70 - 130	
1,2,4-Trichlorobenzene	10.0	7.98	80	70 - 130	
1,1,1-Trichloroethane	10.0	10.1	101	70 - 130	
1,1,2-Trichloroethane	10.0	9.19	92	70 - 130	
Trichloroethene	10.0	9.39	94	70 - 130	
Trichlorofluoromethane	10.0	11.4	114	70 - 130	
1,2,3-Trichloropropane	10.0	8.52	85	70 - 130	
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	10.1	101	70 - 130	
1,2,4-Trimethylbenzene	10.0	8.53	85	70 - 130	
1,3,5-Trimethylbenzene	10.0	10.1	101	70 - 130	
Vinyl chloride	10.0	12.0	120	70 - 130	
m-Xylene & p-Xylene	20.0	19.4	97	70 - 130	
o-Xylene	10.0	8.83	88	70 - 130	
Xylenes, Total	30.0	28.2	94	70 - 130	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	81	70 - 130
4-Bromofluorobenzene	100	70 - 130
Dibromofluoromethane	89	70 - 130
Toluene-d8 (Surr)	97	70 - 130

Client: CHA Inc

Job Number: 220-14062-1

Method Blank - Batch: 220-45363

Method: 8270C
Preparation: 3510C

Lab Sample ID: MB 220-45363/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/23/2010 1243
Date Prepared: 11/22/2010 1055

Analysis Batch: 220-45473
Prep Batch: 220-45363
Units: ug/L

Instrument ID: MSC
Lab File ID: C20698.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1.0 mL
Injection Volume: 1 uL

Analyte	Result	Qual	MDL	RL
Acenaphthene	4.0	U	0.31	4.0
Acenaphthylene	4.0	U	0.34	4.0
Aniline	4.0	U	0.61	4.0
Anthracene	4.0	U	0.29	4.0
Benzo[a]anthracene	4.0	U	0.30	4.0
Benzo[b]fluoranthene	4.0	U	0.36	4.0
Benzo[g,h,i]perylene	4.0	U	0.36	4.0
Benzo[k]fluoranthene	4.0	U	0.40	4.0
Benzo[a]pyrene	4.0	U	0.35	4.0
Bis(2-chloroethyl)ether	4.0	U	0.29	4.0
Bis(2-chloroethoxy)methane	4.0	U	0.31	4.0
2,2'-oxybis[1-chloropropane]	4.0	U	0.25	4.0
Bis(2-ethylhexyl) phthalate	4.0	U	0.54	4.0
4-Bromophenyl phenyl ether	4.0	U	0.44	4.0
Butyl benzyl phthalate	4.0	U	0.35	4.0
Carbazole	4.0	U	0.33	4.0
4-Chloroaniline	4.0	U	0.29	4.0
4-Chloro-3-methylphenol	5.0	U	0.34	5.0
2-Chloronaphthalene	4.0	U	0.39	4.0
2-Chlorophenol	4.0	U	0.23	4.0
4-Chlorophenyl phenyl ether	4.0	U	0.35	4.0
Chrysene	4.0	U	0.25	4.0
Dibenzofuran	4.0	U	0.43	4.0
Dibenz(a,h)anthracene	4.0	U	0.38	4.0
3,3'-Dichlorobenzidine	4.0	U	0.36	4.0
2,4-Dichlorophenol	4.0	U	0.33	4.0
Diethyl phthalate	4.0	U	0.43	4.0
2,4-Dimethylphenol	4.0	U	0.33	4.0
Dimethyl phthalate	4.0	U	0.38	4.0
Di-n-butyl phthalate	4.0	U	0.35	4.0
4,6-Dinitro-2-methylphenol	25	U	1.9	25
2,4-Dinitrophenol	25	U	0.43	25
2,4-Dinitrotoluene	4.0	U	0.40	4.0
2,6-Dinitrotoluene	4.0	U	0.26	4.0
Di-n-octyl phthalate	4.0	U	0.38	4.0
Fluoranthene	4.0	U	0.31	4.0
Fluorene	4.0	U	0.26	4.0
Hexachlorobenzene	4.0	U	0.33	4.0
Hexachlorobutadiene	4.0	U	0.20	4.0
Hexachlorocyclopentadiene	4.0	U	0.35	4.0
Hexachloroethane	4.0	U	0.37	4.0
Indeno[1,2,3-cd]pyrene	4.0	U	0.28	4.0
Isophorone	4.0	U	0.31	4.0

Client: CHA Inc

Job Number: 220-14062-1

Method Blank - Batch: 220-45363

Method: 8270C
Preparation: 3510C

Lab Sample ID: MB 220-45363/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/23/2010 1243
Date Prepared: 11/22/2010 1055

Analysis Batch: 220-45473
Prep Batch: 220-45363
Units: ug/L

Instrument ID: MSC
Lab File ID: C20698.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1.0 mL
Injection Volume: 1 uL

Analyte	Result	Qual	MDL	RL
2-Methylnaphthalene	4.0	U	0.27	4.0
2-Methylphenol	4.0	U	0.24	4.0
Methylphenol, 3 & 4	4.0	U	0.29	4.0
Naphthalene	4.0	U	0.30	4.0
2-Nitroaniline	4.0	U	0.34	4.0
3-Nitroaniline	4.0	U	0.23	4.0
4-Nitroaniline	4.0	U	0.20	4.0
Nitrobenzene	4.0	U	0.28	4.0
2-Nitrophenol	4.0	U	0.27	4.0
4-Nitrophenol	10	U	1.4	10
N-Nitrosodiphenylamine	4.0	U	0.33	4.0
N-Nitrosodi-n-propylamine	4.0	U	0.33	4.0
Pentachlorophenol	25	U	0.31	25
Pentachloronitrobenzene	10	U	1.2	10
Phenanthrene	4.0	U	0.28	4.0
Phenol	4.0	U	0.19	4.0
Pyrene	4.0	U	0.33	4.0
Pyridine	20	U	3.9	20
1,2,4,5-Tetrachlorobenzene	10	U	1.4	10
1,2,4-Trichlorobenzene	4.0	U	0.36	4.0
2,4,5-Trichlorophenol	10	U	0.28	10
2,4,6-Trichlorophenol	4.0	U	0.37	4.0

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	79	15 - 110
2-Fluorobiphenyl	67	30 - 130
2-Fluorophenol (Surr)	37	15 - 110
Nitrobenzene-d5 (Surr)	68	30 - 130
Phenol-d5 (Surr)	25	15 - 110
Terphenyl-d14 (Surr)	91	30 - 130

Client: CHA Inc

Job Number: 220-14062-1

Lab Control Sample - Batch: 220-45363

Method: 8270C
Preparation: 3510C

Lab Sample ID: LCS 220-45363/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/23/2010 1313
Date Prepared: 11/22/2010 1055

Analysis Batch: 220-45473
Prep Batch: 220-45363
Units: ug/L

Instrument ID: MSC
Lab File ID: C20699.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1.0 mL
Injection Volume: 1 uL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	40.0	32.2	81	40 - 140	
Acenaphthylene	40.0	32.2	80	40 - 140	
Aniline	40.0	20.3	51	40 - 140	
Anthracene	40.0	38.6	96	40 - 140	
Benzo[a]anthracene	40.0	41.0	103	40 - 140	
Benzo[b]fluoranthene	40.0	46.8	117	40 - 140	
Benzo[g,h,i]perylene	40.0	40.2	100	40 - 140	
Benzo[k]fluoranthene	40.0	45.5	114	40 - 140	
Benzo[a]pyrene	40.0	41.9	105	40 - 140	
Bis(2-chloroethyl)ether	40.0	27.7	69	40 - 140	
Bis(2-chloroethoxy)methane	40.0	29.3	73	40 - 140	
2,2'-oxybis[1-chloropropane]	40.0	28.0	70	40 - 140	
Bis(2-ethylhexyl) phthalate	40.0	42.1	105	40 - 140	
4-Bromophenyl phenyl ether	40.0	36.9	92	40 - 140	
Butyl benzyl phthalate	40.0	41.8	105	40 - 140	
Carbazole	40.0	39.3	98	40 - 140	
4-Chloroaniline	40.0	26.7	67	40 - 140	
4-Chloro-3-methylphenol	40.0	30.6	76	30 - 130	
2-Chloronaphthalene	40.0	30.1	75	40 - 140	
2-Chlorophenol	40.0	26.7	67	30 - 130	
4-Chlorophenyl phenyl ether	40.0	34.7	87	40 - 140	
Chrysene	40.0	41.5	104	40 - 140	
Dibenzofuran	40.0	32.5	81	40 - 140	
Dibenz(a,h)anthracene	40.0	38.6	96	40 - 140	
3,3'-Dichlorobenzidine	40.0	29.3	73	40 - 140	
2,4-Dichlorophenol	40.0	28.6	72	30 - 130	
Diethyl phthalate	40.0	39.9	100	40 - 140	
2,4-Dimethylphenol	40.0	26.8	67	30 - 130	
Dimethyl phthalate	40.0	36.5	91	40 - 140	
Di-n-butyl phthalate	40.0	42.2	105	40 - 140	
4,6-Dinitro-2-methylphenol	40.0	42.0	105	30 - 130	
2,4-Dinitrophenol	40.0	37.2	93	30 - 130	
2,4-Dinitrotoluene	40.0	39.9	100	40 - 140	
2,6-Dinitrotoluene	40.0	39.1	98	40 - 140	
Di-n-octyl phthalate	40.0	40.2	100	40 - 140	
Fluoranthene	40.0	40.8	102	40 - 140	
Fluorene	40.0	35.2	88	40 - 140	
Hexachlorobenzene	40.0	37.7	94	40 - 140	
Hexachlorobutadiene	40.0	24.5	61	40 - 140	
Hexachlorocyclopentadiene	40.0	22.3	56	40 - 140	
Hexachloroethane	40.0	23.8	60	40 - 140	
Indeno[1,2,3-cd]pyrene	40.0	36.3	91	40 - 140	
Isophorone	40.0	29.6	74	40 - 140	

Client: CHA Inc

Job Number: 220-14062-1

Lab Control Sample - Batch: 220-45363

Method: 8270C
Preparation: 3510C

Lab Sample ID: LCS 220-45363/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/23/2010 1313
Date Prepared: 11/22/2010 1055

Analysis Batch: 220-45473
Prep Batch: 220-45363
Units: ug/L

Instrument ID: MSC
Lab File ID: C20699.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1.0 mL
Injection Volume: 1 uL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2-Methylnaphthalene	40.0	28.2	71	40 - 140	
2-Methylphenol	40.0	24.9	62	30 - 130	
Methylphenol, 3 & 4	80.0	47.4	59	30 - 130	
Naphthalene	40.0	28.3	71	40 - 140	
2-Nitroaniline	40.0	36.0	90	40 - 140	
3-Nitroaniline	40.0	36.7	92	40 - 140	
4-Nitroaniline	40.0	40.2	101	40 - 140	
Nitrobenzene	40.0	28.9	72	40 - 140	
2-Nitrophenol	40.0	29.2	73	30 - 130	
4-Nitrophenol	40.0	17.4	43	30 - 130	
N-Nitrosodiphenylamine	40.0	39.4	98	40 - 140	
N-Nitrosodi-n-propylamine	40.0	29.2	73	40 - 140	
Pentachlorophenol	40.0	38.8	97	30 - 130	
Phenanthrene	40.0	38.5	96	40 - 140	
Phenol	40.0	12.4	31	30 - 130	
Pyrene	40.0	39.8	99	40 - 140	
Pyridine	40.0	20	37	40 - 140	U *
1,2,4-Trichlorobenzene	40.0	25.9	65	40 - 140	
2,4,5-Trichlorophenol	40.0	33.5	84	30 - 130	
2,4,6-Trichlorophenol	40.0	31.9	80	30 - 130	

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	97	15 - 110
2-Fluorobiphenyl	73	30 - 130
2-Fluorophenol (Surr)	41	15 - 110
Nitrobenzene-d5 (Surr)	72	30 - 130
Phenol-d5 (Surr)	27	15 - 110
Terphenyl-d14 (Surr)	96	30 - 130

Client: CHA Inc

Job Number: 220-14062-1

Method Blank - Batch: 220-45414

Method: 8270C
Preparation: 3541

Lab Sample ID: MB 220-45414/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/24/2010 1404
Date Prepared: 11/23/2010 0946

Analysis Batch: 220-45500
Prep Batch: 220-45414
Units: ug/Kg

Instrument ID: MSC
Lab File ID: C20728.D
Initial Weight/Volume: 15 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	Result	Qual	MDL	RL
Acenaphthene	270	U	16	270
Acenaphthylene	270	U	13	270
Aniline	270	U	36	270
Anthracene	270	U	11	270
Benzo[a]anthracene	270	U	9.6	270
Benzo[b]fluoranthene	270	U	7.2	270
Benzo[g,h,i]perylene	270	U	18	270
Benzo[k]fluoranthene	270	U	24	270
Benzo[a]pyrene	270	U	7.3	270
Bis(2-chloroethyl)ether	270	U	14	270
Bis(2-chloroethoxy)methane	270	U	13	270
2,2'-oxybis[1-chloropropane]	270	U	14	270
Bis(2-ethylhexyl) phthalate	270	U	26	270
4-Bromophenyl phenyl ether	270	U	17	270
Butyl benzyl phthalate	270	U	15	270
Carbazole	270	U	15	270
4-Chloroaniline	270	U	44	270
4-Chloro-3-methylphenol	270	U	11	270
2-Chloronaphthalene	270	U	12	270
2-Chlorophenol	270	U	16	270
4-Chlorophenyl phenyl ether	270	U	20	270
Chrysene	270	U	20	270
Dibenzofuran	270	U	19	270
Dibenz(a,h)anthracene	270	U	21	270
3,3'-Dichlorobenzidine	330	U	56	330
2,4-Dichlorophenol	270	U	14	270
Diethyl phthalate	270	U	27	270
2,4-Dimethylphenol	270	U	13	270
Dimethyl phthalate	270	U	16	270
Di-n-butyl phthalate	270	U	39	270
4,6-Dinitro-2-methylphenol	1700	U	120	1700
2,4-Dinitrophenol	1700	U	81	1700
2,4-Dinitrotoluene	270	U	22	270
2,6-Dinitrotoluene	270	U	7.9	270
Di-n-octyl phthalate	270	U	15	270
Fluoranthene	270	U	13	270
Fluorene	270	U	16	270
Hexachlorobenzene	270	U	19	270
Hexachlorobutadiene	270	U	21	270
Hexachlorocyclopentadiene	670	U	130	670
Hexachloroethane	270	U	15	270
Indeno[1,2,3-cd]pyrene	270	U	18	270
Isophorone	270	U	15	270

Client: CHA Inc

Job Number: 220-14062-1

Method Blank - Batch: 220-45414

Method: 8270C
Preparation: 3541

Lab Sample ID: MB 220-45414/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/24/2010 1404
Date Prepared: 11/23/2010 0946

Analysis Batch: 220-45500
Prep Batch: 220-45414
Units: ug/Kg

Instrument ID: MSC
Lab File ID: C20728.D
Initial Weight/Volume: 15 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	Result	Qual	MDL	RL
2-Methylnaphthalene	270	U	7.7	270
2-Methylphenol	270	U	16	270
4-Methylphenol	270	U	18	270
Naphthalene	270	U	14	270
2-Nitroaniline	670	U	16	670
3-Nitroaniline	670	U	8.6	670
4-Nitroaniline	270	U	21	270
Nitrobenzene	270	U	17	270
2-Nitrophenol	270	U	17	270
4-Nitrophenol	1700	U	20	1700
N-Nitrosodiphenylamine	270	U	15	270
N-Nitrosodi-n-propylamine	270	U	18	270
Pentachlorophenol	670	U	160	670
Pentachloronitrobenzene	330	U	59	330
Phenanthrene	270	U	13	270
Phenol	270	U	18	270
Pyrene	270	U	13	270
Pyridine	1300	U	300	1300
1,2,4,5-Tetrachlorobenzene	330	U	43	330
1,2,4-Trichlorobenzene	270	U	18	270
2,4,5-Trichlorophenol	1700	U	14	1700
2,4,6-Trichlorophenol	270	U	7.4	270

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	74	30 - 130
2-Fluorobiphenyl	73	30 - 130
2-Fluorophenol (Surr)	70	30 - 130
Nitrobenzene-d5 (Surr)	71	30 - 130
Phenol-d5 (Surr)	71	30 - 130
Terphenyl-d14 (Surr)	73	30 - 130

Client: CHA Inc

Job Number: 220-14062-1

Lab Control Sample - Batch: 220-45414

Method: 8270C
Preparation: 3541

Lab Sample ID: LCS 220-45414/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/24/2010 1433
Date Prepared: 11/23/2010 0946

Analysis Batch: 220-45500
Prep Batch: 220-45414
Units: ug/Kg

Instrument ID: MSC
Lab File ID: C20729.D
Initial Weight/Volume: 15 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	2670	2190	82	40 - 140	
Acenaphthylene	2670	2210	83	40 - 140	
Aniline	2670	1570	59	40 - 140	
Anthracene	2670	2250	85	40 - 140	
Benzo[a]anthracene	2670	2310	87	40 - 140	
Benzo[b]fluoranthene	2670	2590	97	40 - 140	
Benzo[g,h,i]perylene	2670	1880	70	40 - 140	
Benzo[k]fluoranthene	2670	2570	96	40 - 140	
Benzo[a]pyrene	2670	2370	89	40 - 140	
Bis(2-chloroethyl)ether	2670	2020	76	40 - 140	
Bis(2-chloroethoxy)methane	2670	2120	80	40 - 140	
2,2'-oxybis[1-chloropropane]	2670	2030	76	40 - 140	
Bis(2-ethylhexyl) phthalate	2670	2560	96	40 - 140	
4-Bromophenyl phenyl ether	2670	2280	86	40 - 140	
Butyl benzyl phthalate	2670	2450	92	40 - 140	
Carbazole	2670	2220	83	40 - 140	
4-Chloroaniline	2670	1320	50	40 - 140	
4-Chloro-3-methylphenol	2670	2150	81	30 - 130	
2-Chloronaphthalene	2670	2160	81	40 - 140	
2-Chlorophenol	2670	2060	77	30 - 130	
4-Chlorophenyl phenyl ether	2670	2210	83	40 - 140	
Chrysene	2670	2340	88	40 - 140	
Dibenzofuran	2670	2120	80	40 - 140	
Dibenz(a,h)anthracene	2670	1990	75	40 - 140	
3,3'-Dichlorobenzidine	2670	1710	64	40 - 140	
2,4-Dichlorophenol	2670	2110	79	30 - 130	
Diethyl phthalate	2670	2250	84	40 - 140	
2,4-Dimethylphenol	2670	1930	72	30 - 130	
Dimethyl phthalate	2670	2180	82	40 - 140	
Di-n-butyl phthalate	2670	2430	91	40 - 140	
4,6-Dinitro-2-methylphenol	2670	2010	75	30 - 130	
2,4-Dinitrophenol	2670	1700	59	30 - 130	U
2,4-Dinitrotoluene	2670	2230	84	40 - 140	
2,6-Dinitrotoluene	2670	2340	88	40 - 140	
Di-n-octyl phthalate	2670	2700	101	40 - 140	
Fluoranthene	2670	2280	86	40 - 140	
Fluorene	2670	2180	82	40 - 140	
Hexachlorobenzene	2670	2270	85	40 - 140	
Hexachlorobutadiene	2670	2120	79	40 - 140	
Hexachlorocyclopentadiene	2670	2070	78	40 - 140	
Hexachloroethane	2670	2020	76	40 - 140	
Indeno[1,2,3-cd]pyrene	2670	1740	65	40 - 140	
Isophorone	2670	2150	81	40 - 140	

Client: CHA Inc

Job Number: 220-14062-1

Lab Control Sample - Batch: 220-45414

Method: 8270C
Preparation: 3541

Lab Sample ID: LCS 220-45414/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/24/2010 1433
Date Prepared: 11/23/2010 0946

Analysis Batch: 220-45500
Prep Batch: 220-45414
Units: ug/Kg

Instrument ID: MSC
Lab File ID: C20729.D
Initial Weight/Volume: 15 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2-Methylnaphthalene	2670	2170	82	40 - 140	
2-Methylphenol	2670	2080	78	30 - 130	
4-Methylphenol	5330	4230	79	30 - 130	
Naphthalene	2670	2180	82	40 - 140	
2-Nitroaniline	2670	2180	82	40 - 140	
3-Nitroaniline	2670	1470	55	40 - 140	
4-Nitroaniline	2670	2120	79	40 - 140	
Nitrobenzene	2670	2100	79	40 - 140	
2-Nitrophenol	2670	2160	81	30 - 130	
4-Nitrophenol	2670	2260	85	30 - 130	
N-Nitrosodiphenylamine	2670	2330	87	40 - 140	
N-Nitrosodi-n-propylamine	2670	2100	79	40 - 140	
Pentachlorophenol	2670	2270	85	30 - 130	
Pentachloronitrobenzene	2670	2510	94	40 - 140	
Phenanthrene	2670	2260	85	40 - 140	
Phenol	2670	1980	74	30 - 130	
Pyrene	2670	2270	85	40 - 140	
Pyridine	2670	1380	52	40 - 140	
1,2,4,5-Tetrachlorobenzene	2670	4400	165	40 - 140	*
1,2,4-Trichlorobenzene	2670	2140	80	40 - 140	
2,4,5-Trichlorophenol	2670	2100	79	30 - 130	
2,4,6-Trichlorophenol	2670	2170	81	30 - 130	

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	84	30 - 130
2-Fluorobiphenyl	79	30 - 130
2-Fluorophenol (Surr)	75	30 - 130
Nitrobenzene-d5 (Surr)	79	30 - 130
Phenol-d5 (Surr)	74	30 - 130
Terphenyl-d14 (Surr)	84	30 - 130

Client: CHA Inc

Job Number: 220-14062-1

Method Blank - Batch: 220-45471

Method: 8270C
Preparation: 3510C

Lab Sample ID: MB 220-45471/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/29/2010 0806
Date Prepared: 11/24/2010 0906

Analysis Batch: 220-45545
Prep Batch: 220-45471
Units: mg/L

Instrument ID: MSC
Lab File ID: C20742.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	Result	Qual	MDL	RL
1,4-Dichlorobenzene	0.010	U	0.00031	0.010
2,4-Dinitrotoluene	0.010	U	0.00040	0.010
Hexachlorobenzene	0.010	U	0.00033	0.010
Hexachlorobutadiene	0.010	U	0.00020	0.010
Hexachloroethane	0.010	U	0.00037	0.010
2-Methylphenol	0.010	U	0.00024	0.010
Methylphenol, 3 & 4	0.010	U	0.00029	0.010
Nitrobenzene	0.010	U	0.00028	0.010
Pentachlorophenol	0.050	U	0.00031	0.050
Pyridine	0.020	U	0.0039	0.020
2,4,5-Trichlorophenol	0.050	U	0.00028	0.050
2,4,6-Trichlorophenol	0.010	U	0.00037	0.010

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	80	15 - 110
2-Fluorobiphenyl	67	30 - 130
2-Fluorophenol (Surr)	38	15 - 110
Nitrobenzene-d5 (Surr)	68	30 - 130
Phenol-d5 (Surr)	26	15 - 110
Terphenyl-d14 (Surr)	87	30 - 130

Client: CHA Inc

Job Number: 220-14062-1

TCLP SPLPE Leachate Blank - Batch: 220-45471

Method: 8270C
Preparation: 3510C
TCLP

Lab Sample ID: LB 220-45376/1-B
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/29/2010 0905
Date Prepared: 11/24/2010 0906
Date Leached: 11/22/2010 1212

Analysis Batch: 220-45545
Prep Batch: 220-45471
Units: mg/L

Leachate Batch: 220-45376

Instrument ID: MSC
Lab File ID: C20744.D
Initial Weight/Volume: 500 mL
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	Result	Qual	MDL	RL
1,4-Dichlorobenzene	0.020	U	0.00062	0.020
2,4-Dinitrotoluene	0.020	U	0.00080	0.020
Hexachlorobenzene	0.020	U	0.00066	0.020
Hexachlorobutadiene	0.020	U	0.00040	0.020
Hexachloroethane	0.020	U	0.00074	0.020
2-Methylphenol	0.020	U	0.00048	0.020
Methylphenol, 3 & 4	0.020	U	0.00058	0.020
Nitrobenzene	0.020	U	0.00056	0.020
Pentachlorophenol	0.10	U	0.00062	0.10
Pyridine	0.040	U	0.0077	0.040
2,4,5-Trichlorophenol	0.10	U	0.00056	0.10
2,4,6-Trichlorophenol	0.020	U	0.00074	0.020

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	88	15 - 110
2-Fluorobiphenyl	72	30 - 130
2-Fluorophenol (Surr)	51	15 - 110
Nitrobenzene-d5 (Surr)	72	30 - 130
Phenol-d5 (Surr)	41	15 - 110
Terphenyl-d14 (Surr)	88	30 - 130

Client: CHA Inc

Job Number: 220-14062-1

Lab Control Sample - Batch: 220-45471

Method: 8270C
Preparation: 3510C

Lab Sample ID: LCS 220-45471/4-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/29/2010 0935
Date Prepared: 11/24/2010 0906

Analysis Batch: 220-45545
Prep Batch: 220-45471
Units: mg/L

Instrument ID: MSC
Lab File ID: C20745.D
Initial Weight/Volume: 500 mL
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,4-Dichlorobenzene	0.0800	0.0513	64	40 - 140	
2,4-Dinitrotoluene	0.0800	0.0707	88	40 - 140	
Hexachlorobenzene	0.0800	0.0697	87	40 - 140	
Hexachlorobutadiene	0.0800	0.0542	68	40 - 140	
Hexachloroethane	0.0800	0.0500	63	40 - 140	
2-Methylphenol	0.0800	0.0586	73	30 - 130	
Methylphenol, 3 & 4	0.160	0.117	73	30 - 130	
Nitrobenzene	0.0800	0.0611	76	40 - 140	
Pentachlorophenol	0.0800	0.10	97	30 - 130	U
Pyridine	0.0800	0.040	49	40 - 140	U
2,4,5-Trichlorophenol	0.0800	0.10	82	30 - 130	U
2,4,6-Trichlorophenol	0.0800	0.0657	82	30 - 130	

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	92	15 - 110
2-Fluorobiphenyl	77	30 - 130
2-Fluorophenol (Surr)	55	15 - 110
Nitrobenzene-d5 (Surr)	76	30 - 130
Phenol-d5 (Surr)	43	15 - 110
Terphenyl-d14 (Surr)	92	30 - 130

Client: CHA Inc

Job Number: 220-14062-1

Method Blank - Batch: 220-45458

Method: 8081A
Preparation: 3510C

Lab Sample ID: MB 220-45458/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/27/2010 1912
Date Prepared: 11/23/2010 1713

Analysis Batch: 220-45554
Prep Batch: 220-45458
Units: ug/L

Instrument ID: GC8
Lab File ID: C8609017.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
4,4'-DDD	0.10	U	0.013	0.10
4,4'-DDE	0.10	U	0.011	0.10
4,4'-DDT	0.10	U	0.014	0.10
Aldrin	0.050	U	0.0071	0.050
alpha-BHC	0.050	U	0.0031	0.050
beta-BHC	0.050	U	0.0072	0.050
Chlordane (technical)	0.50	U	0.042	0.50
delta-BHC	0.050	U	0.0043	0.050
Dieldrin	0.10	U	0.012	0.10
Endosulfan I	0.050	U	0.0049	0.050
Endosulfan II	0.10	U	0.011	0.10
Endosulfan sulfate	0.10	U	0.011	0.10
Endrin	0.10	U	0.014	0.10
Endrin aldehyde	0.10	U	0.013	0.10
Endrin ketone	0.10	U	0.017	0.10
gamma-BHC (Lindane)	0.050	U	0.0055	0.050
Heptachlor	0.050	U	0.0061	0.050
Heptachlor epoxide	0.050	U	0.0055	0.050
Methoxychlor	0.50	U	0.082	0.50
Toxaphene	2.5	U	0.040	2.5

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	39	30 - 150
Tetrachloro-m-xylene	83	30 - 150

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	38	30 - 150
Tetrachloro-m-xylene	79	30 - 150

Client: CHA Inc

Job Number: 220-14062-1

Lab Control Sample - Batch: 220-45458

Method: 8081A
Preparation: 3510C

Lab Sample ID: LCS 220-45458/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/27/2010 1937
Date Prepared: 11/23/2010 1713

Analysis Batch: 220-45554
Prep Batch: 220-45458
Units: ug/L

Instrument ID: GC8
Lab File ID: D8609018.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	0.200	0.186	93	40 - 140	
4,4'-DDE	0.200	0.194	97	40 - 140	
4,4'-DDT	0.200	0.191	96	40 - 140	
Aldrin	0.200	0.161	81	40 - 140	
alpha-BHC	0.200	0.196	98	40 - 140	
beta-BHC	0.200	0.204	102	40 - 140	
delta-BHC	0.200	0.143	72	40 - 140	
Dieldrin	0.200	0.199	100	40 - 140	
Endosulfan I	0.200	0.190	95	40 - 140	
Endosulfan II	0.200	0.196	98	40 - 140	
Endosulfan sulfate	0.200	0.192	96	40 - 140	
Endrin	0.200	0.194	97	40 - 140	
Endrin aldehyde	0.200	0.183	92	40 - 140	
Endrin ketone	0.200	0.205	103	40 - 140	
gamma-BHC (Lindane)	0.200	0.190	95	40 - 140	
Heptachlor	0.200	0.171	86	40 - 140	
Heptachlor epoxide	0.200	0.191	95	40 - 140	
Methoxychlor	0.200	0.50	104	40 - 140	U

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	74	30 - 150
Tetrachloro-m-xylene	94	30 - 150

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	71	30 - 150
Tetrachloro-m-xylene	89	30 - 150

Client: CHA Inc

Job Number: 220-14062-1

Method Blank - Batch: 460-56994

Method: 8081A
Preparation: 3541

Lab Sample ID: MB 460-56994/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/30/2010 0946
Date Prepared: 11/29/2010 2345

Analysis Batch: 460-57038
Prep Batch: 460-56994
Units: ug/Kg

Instrument ID: PESTGC4
Lab File ID: WR694051.D
Initial Weight/Volume: 15.00 g
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
4,4'-DDD	6.7	U	0.80	6.7
4,4'-DDE	6.7	U	1.3	6.7
4,4'-DDT	6.7	U	0.84	6.7
Aldrin	6.7	U	1.5	6.7
alpha-BHC	6.7	U	1.2	6.7
beta-BHC	6.7	U	0.91	6.7
Chlordane (technical)	67	U	15	67
delta-BHC	6.7	U	1.0	6.7
Dieldrin	6.7	U	1.3	6.7
Endosulfan I	6.7	U	1.4	6.7
Endosulfan II	6.7	U	1.0	6.7
Endosulfan sulfate	6.7	U	0.86	6.7
Endrin	6.7	U	0.94	6.7
Endrin aldehyde	6.7	U	1.7	6.7
Endrin ketone	6.7	U	0.99	6.7
gamma-BHC (Lindane)	6.7	U	0.78	6.7
Heptachlor	6.7	U	0.96	6.7
Heptachlor epoxide	6.7	U	1.4	6.7
Methoxychlor	6.7	U	0.75	6.7
Toxaphene	67	U	14	67

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	91	30 - 150
DCB Decachlorobiphenyl	105	30 - 150

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	90	30 - 150
DCB Decachlorobiphenyl	101	30 - 150

Lab Control Sample - Batch: 460-56994

Method: 8081A
Preparation: 3541

Lab Sample ID: LCS 460-56994/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/30/2010 0932
Date Prepared: 11/29/2010 2345

Analysis Batch: 460-57038
Prep Batch: 460-56994
Units: ug/Kg

Instrument ID: PESTGC4
Lab File ID: WF694050.D
Initial Weight/Volume: 15.00 g
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	133	122	91	40 - 140	
4,4'-DDE	133	111	83	40 - 140	
4,4'-DDT	133	105	79	40 - 140	
Aldrin	133	109	82	40 - 140	
alpha-BHC	133	109	82	40 - 140	
beta-BHC	133	111	83	40 - 140	
delta-BHC	133	111	83	40 - 140	
Dieldrin	133	98.6	74	40 - 140	
Endosulfan I	133	106	80	40 - 140	
Endosulfan II	133	102	77	40 - 140	
Endosulfan sulfate	133	103	77	40 - 140	
Endrin	133	115	86	40 - 140	
Endrin aldehyde	133	98.8	74	40 - 140	
Endrin ketone	133	105	78	40 - 140	
gamma-BHC (Lindane)	133	109	82	40 - 140	
Heptachlor	133	109	81	40 - 140	
Heptachlor epoxide	133	107	81	40 - 140	
Methoxychlor	133	110	82	40 - 140	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	95	30 - 150
DCB Decachlorobiphenyl	107	30 - 150

Lab Control Sample - Batch: 460-56994

Method: 8081A
Preparation: 3541

Lab Sample ID: LCS 460-56994/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/30/2010 0932
Date Prepared: 11/29/2010 2345

Analysis Batch: 460-57038
Prep Batch: 460-56994
Units: ug/Kg

Instrument ID: PESTGC4
Lab File ID: WR694050.D
Initial Weight/Volume: 15.00 g
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	133	98.8	74	40 - 140	
4,4'-DDE	133	109	82	40 - 140	
4,4'-DDT	133	97.1	73	40 - 140	
Aldrin	133	104	78	40 - 140	
alpha-BHC	133	102	76	40 - 140	
beta-BHC	133	105	79	40 - 140	

Client: CHA Inc

Job Number: 220-14062-1

Lab Control Sample - Batch: 460-56994

Method: 8081A
Preparation: 3541

Lab Sample ID: LCS 460-56994/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/30/2010 0932
Date Prepared: 11/29/2010 2345

Analysis Batch: 460-57038
Prep Batch: 460-56994
Units: ug/Kg

Instrument ID: PESTGC4
Lab File ID: WR694050.D
Initial Weight/Volume: 15.00 g
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
delta-BHC	133	96.5	72	40 - 140	
Dieldrin	133	95.3	72	40 - 140	
Endosulfan I	133	102	77	40 - 140	
Endosulfan II	133	93.7	70	40 - 140	
Endosulfan sulfate	133	99.6	75	40 - 140	
Endrin	133	106	79	40 - 140	
Endrin aldehyde	133	97.1	73	40 - 140	
Endrin ketone	133	102	77	40 - 140	
gamma-BHC (Lindane)	133	101	76	40 - 140	
Heptachlor	133	103	77	40 - 140	
Heptachlor epoxide	133	101	76	40 - 140	
Methoxychlor	133	93.8	70	40 - 140	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	91	30 - 150
DCB Decachlorobiphenyl	101	30 - 150

Client: CHA Inc

Job Number: 220-14062-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-56994

Method: 8081A
Preparation: 3541

MS Lab Sample ID:	220-14062-6	Analysis Batch: 460-57038	Instrument ID: PESTGC4
Client Matrix:	Solid	Prep Batch: 460-56994	Lab File ID: WF694048.D
Dilution:	1.0		Initial Weight/Volume: 15.00 g
Date Analyzed:	11/30/2010 0904		Final Weight/Volume: 10 mL
Date Prepared:	11/29/2010 2345		Injection Volume: 1 uL
			Column ID: PRIMARY
MSD Lab Sample ID:	220-14062-6	Analysis Batch: 460-57038	Instrument ID: PESTGC4
Client Matrix:	Solid	Prep Batch: 460-56994	Lab File ID: WF694049.D
Dilution:	1.0		Initial Weight/Volume: 14.99 g
Date Analyzed:	11/30/2010 0918		Final Weight/Volume: 10 mL
Date Prepared:	11/29/2010 2345		Injection Volume: 1 uL
			Column ID: PRIMARY

	% Rec.					
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
4,4'-DDD	93	86	30 - 150	8	30		
4,4'-DDE	84	78	30 - 150	8	30		
4,4'-DDT	82	76	30 - 150	8	30		
Aldrin	84	77	30 - 150	9	30		
alpha-BHC	84	77	30 - 150	8	30		
beta-BHC	89	78	30 - 150	13	30		
delta-BHC	85	78	30 - 150	9	30		
Dieldrin	77	70	30 - 150	9	30		
Endosulfan I	83	75	30 - 150	9	30		
Endosulfan II	79	72	30 - 150	9	30		
Endosulfan sulfate	81	73	30 - 150	11	30		
Endrin	87	81	30 - 150	7	30		
Endrin aldehyde	79	73	30 - 150	9	30		
Endrin ketone	80	74	30 - 150	8	30		
gamma-BHC (Lindane)	84	77	30 - 150	9	30		
Heptachlor	86	74	30 - 150	15	30		
Heptachlor epoxide	82	76	30 - 150	8	30		
Methoxychlor	93	78	30 - 150	17	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Tetrachloro-m-xylene	92	91	30 - 150
DCB Decachlorobiphenyl	100	104	30 - 150

Client: CHA Inc

Job Number: 220-14062-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-56994

Method: 8081A
Preparation: 3541

MS Lab Sample ID:	220-14062-6	Analysis Batch: 460-57038	Instrument ID: PESTGC4
Client Matrix:	Solid	Prep Batch: 460-56994	Lab File ID: WR694048.D
Dilution:	1.0		Initial Weight/Volume: 15.00 g
Date Analyzed:	11/30/2010 0904		Final Weight/Volume: 10 mL
Date Prepared:	11/29/2010 2345		Injection Volume: 1 uL
			Column ID: SECONDARY
MSD Lab Sample ID:	220-14062-6	Analysis Batch: 460-57038	Instrument ID: PESTGC4
Client Matrix:	Solid	Prep Batch: 460-56994	Lab File ID: WR694049.D
Dilution:	1.0		Initial Weight/Volume: 14.99 g
Date Analyzed:	11/30/2010 0918		Final Weight/Volume: 10 mL
Date Prepared:	11/29/2010 2345		Injection Volume: 1 uL
			Column ID: SECONDARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
4,4'-DDD	78	72	30 - 150	8	30		
4,4'-DDE	83	77	30 - 150	8	30		
4,4'-DDT	74	70	30 - 150	6	30		
Aldrin	79	74	30 - 150	7	30		
alpha-BHC	77	72	30 - 150	7	30		
beta-BHC	81	75	30 - 150	8	30		
delta-BHC	76	72	30 - 150	6	30		
Dieldrin	73	68	30 - 150	6	30		
Endosulfan I	77	72	30 - 150	7	30		
Endosulfan II	72	68	30 - 150	7	30		
Endosulfan sulfate	77	72	30 - 150	7	30		
Endrin	81	76	30 - 150	6	30		
Endrin aldehyde	74	70	30 - 150	6	30		
Endrin ketone	78	73	30 - 150	7	30		
gamma-BHC (Lindane)	78	72	30 - 150	7	30		
Heptachlor	77	72	30 - 150	7	30		
Heptachlor epoxide	78	73	30 - 150	6	30		
Methoxychlor	72	68	30 - 150	5	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Tetrachloro-m-xylene	88	89	30 - 150
DCB Decachlorobiphenyl	96	97	30 - 150

Client: CHA Inc

Job Number: 220-14062-1

Method Blank - Batch: 460-56999

Method: 8151A
Preparation: 8151A

Lab Sample ID: MB 460-56999/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/30/2010 1432
Date Prepared: 11/29/2010 1700

Analysis Batch: 460-57090
Prep Batch: 460-56999
Units: mg/L

Instrument ID: PESTGC3
Lab File ID: zf106667.d
Initial Weight/Volume: 15 mL
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
2,4-D	0.080	U	0.00010	0.080
Silvex (2,4,5-TP)	0.080	U	0.000090	0.080

Surrogate	% Rec	Acceptance Limits
2,4-Dichlorophenylacetic acid	143	87 - 150

Surrogate	% Rec	Acceptance Limits
2,4-Dichlorophenylacetic acid	140	87 - 150

TCLP SPLPE Leachate Blank - Batch: 460-56999

Method: 8151A
Preparation: 8151A
TCLP

Lab Sample ID: LB 460-56479/1-J
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/30/2010 1450
Date Prepared: 11/29/2010 1700
Date Leached: 11/22/2010 1530

Analysis Batch: 460-57090
Prep Batch: 460-56999
Units: mg/L

Leachate Batch: 460-56479

Instrument ID: PESTGC3
Lab File ID: zf106668.d
Initial Weight/Volume: 15 mL
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
2,4-D	0.080	U	0.00010	0.080
Silvex (2,4,5-TP)	0.080	U	0.000090	0.080

Surrogate	% Rec	Acceptance Limits
2,4-Dichlorophenylacetic acid	129	87 - 150

Surrogate	% Rec	Acceptance Limits
2,4-Dichlorophenylacetic acid	129	87 - 150

Client: CHA Inc

Job Number: 220-14062-1

Lab Control Sample - Batch: 460-56999

Method: 8151A
Preparation: 8151A

Lab Sample ID: LCS 460-56999/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/30/2010 1415
Date Prepared: 11/29/2010 1700

Analysis Batch: 460-57090
Prep Batch: 460-56999
Units: mg/L

Instrument ID: PESTGC3
Lab File ID: zf106666.d
Initial Weight/Volume: 15 mL
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2,4-D	0.333	0.397	119	77 - 132	
Silvex (2,4,5-TP)	0.133	0.186	139	92 - 141	

Surrogate	% Rec	Acceptance Limits
2,4-Dichlorophenylacetic acid	136	87 - 150

Lab Control Sample - Batch: 460-56999

Method: 8151A
Preparation: 8151A

Lab Sample ID: LCS 460-56999/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/30/2010 1415
Date Prepared: 11/29/2010 1700

Analysis Batch: 460-57090
Prep Batch: 460-56999
Units: mg/L

Instrument ID: PESTGC3
Lab File ID: zr106666.d
Initial Weight/Volume: 15 mL
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2,4-D	0.333	0.397	119	77 - 132	
Silvex (2,4,5-TP)	0.133	0.185	138	92 - 141	

Surrogate	% Rec	Acceptance Limits
2,4-Dichlorophenylacetic acid	136	87 - 150

Client: CHA Inc

Job Number: 220-14062-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-56999

Method: 8151A
Preparation: 8151A
TCLP

MS Lab Sample ID:	220-14062-10	Analysis Batch: 460-57090	Instrument ID: PESTGC3
Client Matrix:	Solid	Prep Batch: 460-56999	Lab File ID: zr106664.d
Dilution:	1.0		Initial Weight/Volume: 15 mL
Date Analyzed:	11/30/2010 1340		Final Weight/Volume: 5 mL
Date Prepared:	11/29/2010 1700		Injection Volume:
Date Leached:	11/22/2010 1530	Leachate Batch: 460-56479	Column ID: PRIMARY
MSD Lab Sample ID:	220-14062-10	Analysis Batch: 460-57090	Instrument ID: PESTGC3
Client Matrix:	Solid	Prep Batch: 460-56999	Lab File ID: zr106665.d
Dilution:	1.0		Initial Weight/Volume: 15 mL
Date Analyzed:	11/30/2010 1358		Final Weight/Volume: 5 mL
Date Prepared:	11/29/2010 1700		Injection Volume:
Date Leached:	11/22/2010 1530	Leachate Batch: 460-56479	Column ID: PRIMARY

	% Rec.					
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
2,4-D	114	113	77 - 132	2	30		
Silvex (2,4,5-TP)	134	132	92 - 141	2	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2,4-Dichlorophenylacetic acid	133	131	87 - 150

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-56999

Method: 8151A
Preparation: 8151A
TCLP

MS Lab Sample ID:	220-14062-10	Analysis Batch: 460-57090	Instrument ID: PESTGC3
Client Matrix:	Solid	Prep Batch: 460-56999	Lab File ID: zf106664.d
Dilution:	1.0		Initial Weight/Volume: 15 mL
Date Analyzed:	11/30/2010 1340		Final Weight/Volume: 5 mL
Date Prepared:	11/29/2010 1700		Injection Volume:
Date Leached:	11/22/2010 1530	Leachate Batch: 460-56479	Column ID: SECONDARY
MSD Lab Sample ID:	220-14062-10	Analysis Batch: 460-57090	Instrument ID: PESTGC3
Client Matrix:	Solid	Prep Batch: 460-56999	Lab File ID: zf106665.d
Dilution:	1.0		Initial Weight/Volume: 15 mL
Date Analyzed:	11/30/2010 1358		Final Weight/Volume: 5 mL
Date Prepared:	11/29/2010 1700		Injection Volume:
Date Leached:	11/22/2010 1530	Leachate Batch: 460-56479	Column ID: SECONDARY

	% Rec.					
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
2,4-D	113	111	77 - 132	2	30		
Silvex (2,4,5-TP)	132	130	92 - 141	2	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2,4-Dichlorophenylacetic acid	127	126	87 - 150

Client: CHA Inc

Job Number: 220-14062-1

Method Blank - Batch: 220-45368

Method: CT ETPH
Preparation: 3550B

Lab Sample ID: MB 220-45368/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/23/2010 1920
Date Prepared: 11/22/2010 1127

Analysis Batch: 220-45488
Prep Batch: 220-45368
Units: ug/Kg

Instrument ID: GC2
Lab File ID: C2582087.d
Initial Weight/Volume: 30 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	Result	Qual	RL	RL
CT ETPH	12000	U	12000	12000

Surrogate	% Rec	Acceptance Limits
o-Terphenyl	104	50 - 150

Lab Control Sample - Batch: 220-45368

Method: CT ETPH
Preparation: 3550B

Lab Sample ID: LCS 220-45368/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/23/2010 1947
Date Prepared: 11/22/2010 1127

Analysis Batch: 220-45488
Prep Batch: 220-45368
Units: ug/Kg

Instrument ID: GC2
Lab File ID: C2582088.d
Initial Weight/Volume: 30 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
CT ETPH	50000	52500	105	60 - 120	

Surrogate	% Rec	Acceptance Limits
o-Terphenyl	107	50 - 150

Client: CHA Inc

Job Number: 220-14062-1

Method Blank - Batch: 220-45472

Method: CT ETPH
Preparation: 3510C

Lab Sample ID: MB 220-45472/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/24/2010 1209
Date Prepared: 11/24/2010 0910

Analysis Batch: 220-45497
Prep Batch: 220-45472
Units: ug/L

Instrument ID: GC-X
Lab File ID: CX1111125.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1.0 mL
Injection Volume: 1 uL

Analyte	Result	Qual	RL	RL
CT ETPH	100	U	100	100

Surrogate	% Rec	Acceptance Limits
o-Terphenyl	101	50 - 150

Client: CHA Inc

Job Number: 220-14062-1

Method Blank - Batch: 220-45475

Method: 6010B
Preparation: 3010A

Lab Sample ID: MB 220-45475/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/29/2010 1346
Date Prepared: 11/24/2010 0939

Analysis Batch: 220-45585
Prep Batch: 220-45475
Units: mg/L

Instrument ID: ICAP3
Lab File ID: 112910d.prn
Initial Weight/Volume: 100 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Arsenic	0.015	U	0.0040	0.015
Cadmium	0.0050	U	0.0010	0.0050
Chromium	0.0050	U	0.00050	0.0050
Lead	0.015	U	0.0025	0.015
Selenium	0.038	U	0.012	0.038
Silver	0.0050	U	0.00025	0.0050
Barium	0.0050	U	0.00025	0.0050

TCLP SPLPE Leachate Blank - Batch: 220-45475

Method: 6010B
Preparation: 3010A
TCLP

Lab Sample ID: LB 220-45376/2-B
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/29/2010 1415
Date Prepared: 11/24/2010 0939
Date Leached: 11/22/2010 1212

Analysis Batch: 220-45585
Prep Batch: 220-45475
Units: mg/L

Leachate Batch: 220-45376

Instrument ID: ICAP3
Lab File ID: 112910d.prn
Initial Weight/Volume: 20 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Arsenic	0.075	U	0.020	0.075
Cadmium	0.025	U	0.0050	0.025
Chromium	0.025	U	0.0025	0.025
Lead	0.075	U	0.012	0.075
Selenium	0.19	U	0.062	0.19
Silver	0.025	U	0.0012	0.025
Barium	0.025	U	0.0012	0.025

Client: CHA Inc

Job Number: 220-14062-1

Lab Control Sample - Batch: 220-45475

Method: 6010B
Preparation: 3010A

Lab Sample ID: LCS 220-45475/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/29/2010 1349
Date Prepared: 11/24/2010 0939

Analysis Batch: 220-45585
Prep Batch: 220-45475
Units: mg/L

Instrument ID: ICAP3
Lab File ID: 112910d.prn
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	1.00	1.02	102	80 - 120	
Cadmium	0.300	0.306	102	80 - 120	
Chromium	0.300	0.308	103	80 - 120	
Lead	1.00	1.01	101	80 - 120	
Selenium	0.500	0.530	106	80 - 120	
Silver	0.300	0.304	101	80 - 120	
Barium	0.300	0.302	101	80 - 120	

Method Blank - Batch: 220-45387

Method: 6020
Preparation: 3050B

Lab Sample ID: MB 220-45387/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/23/2010 1304
Date Prepared: 11/22/2010 1248

Analysis Batch: 220-45460
Prep Batch: 220-45387
Units: mg/Kg

Instrument ID: ICPMS
Lab File ID: 019SMPL.D#.raw
Initial Weight/Volume: 1.25 g
Final Weight/Volume: 1000 mL

Analyte	Result	Qual	MDL	RL
Antimony	0.64	U	0.16	0.64
Arsenic	0.40	U	0.080	0.40
Barium	0.40	U	0.12	0.40
Beryllium	0.40	U	0.12	0.40
Cadmium	0.40	U	0.080	0.40
Chromium	0.80	U	0.16	0.80
Copper	0.80	U	0.080	0.80
Lead	0.40	U	0.080	0.40
Nickel	0.40	U	0.080	0.40
Selenium	0.80	U	0.24	0.80
Silver	0.40	U	0.080	0.40
Thallium	0.56	U	0.16	0.56
Vanadium	0.40	U	0.080	0.40
Zinc	4.0	U	0.40	4.0

Lab Control Sample - Batch: 220-45387

Method: 6020
Preparation: 3050B

Lab Sample ID: LCS 220-45387/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/23/2010 1315
Date Prepared: 11/22/2010 1248

Analysis Batch: 220-45460
Prep Batch: 220-45387
Units: mg/Kg

Instrument ID: ICPMS
Lab File ID: 022SMPL.D#.raw
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 1000 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Antimony	250	247.0	99	80 - 120	
Arsenic	250	257.3	103	80 - 120	
Barium	75.0	74.52	99	80 - 120	
Beryllium	25.0	28.72	115	80 - 120	
Cadmium	75.0	76.98	103	80 - 120	
Chromium	75.0	77.39	103	80 - 120	
Copper	75.0	77.58	103	80 - 120	
Lead	250	257.5	103	80 - 120	
Nickel	75.0	77.49	103	80 - 120	
Selenium	125	140.9	113	80 - 120	
Silver	75.0	77.58	103	80 - 120	
Thallium	250	229.5	92	80 - 120	
Vanadium	75.0	78.50	105	80 - 120	
Zinc	75.0	78.27	104	80 - 120	

Client: CHA Inc

Job Number: 220-14062-1

Matrix Spike - Batch: 220-45387

Method: 6020
Preparation: 3050B

Lab Sample ID: 220-14062-2
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/23/2010 1647
Date Prepared: 11/22/2010 1248

Analysis Batch: 220-45460
Prep Batch: 220-45387
Units: mg/Kg

Instrument ID: ICPMS
Lab File ID: 078SMPL.D#.raw
Initial Weight/Volume: 1.01 g
Final Weight/Volume: 1000 mL

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Antimony	1.1	U	71.0	60.63	85	75 - 125	
Arsenic	1.5		142	128.4	89	75 - 125	
Barium	76.0		42.6	199.6	290	75 - 125	N
Beryllium	0.94		14.2	17.19	114	75 - 125	
Cadmium	0.72	U	42.6	41.16	96	75 - 125	
Chromium	12.0		42.6	63.49	121	75 - 125	
Copper	5.4		42.6	50.55	106	75 - 125	
Lead	8.9		142	158.9	106	75 - 125	
Nickel	6.2		42.6	50.92	105	75 - 125	
Selenium	1.8		71.0	70.65	97	75 - 125	
Silver	0.72	U	42.6	41.86	98	75 - 125	
Thallium	1.0	U	142	120.6	85	75 - 125	
Vanadium	27.7		42.6	97.16	163	75 - 125	N
Zinc	21.6		42.6	80.37	138	75 - 125	N

Client: CHA Inc

Job Number: 220-14062-1

Duplicate - Batch: 220-45387

Method: 6020
Preparation: 3050B

Lab Sample ID: 220-14062-2
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/23/2010 1633
Date Prepared: 11/22/2010 1248

Analysis Batch: 220-45460
Prep Batch: 220-45387
Units: mg/Kg

Instrument ID: ICPMS
Lab File ID: 075SMPL.D#.raw
Initial Weight/Volume: 1.01 g
Final Weight/Volume: 1000 mL

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Antimony	1.1	U	1.1	NC	35	U
Arsenic	1.5		2.59	53	35	*
Barium	76.0		160.5	72	35	*
Beryllium	0.94		1.74	60	35	*
Cadmium	0.72	U	0.71	NC	35	U
Chromium	12.0		23.58	65	35	*
Copper	5.4		10.96	68	35	*
Lead	8.9		18.17	69	35	*
Nickel	6.2		12.47	67	35	*
Selenium	1.8		4.08	80	35	*
Silver	0.72	U	0.71	NC	35	U
Thallium	1.0	U	0.99	NC	35	U
Vanadium	27.7		53.47	63	35	*
Zinc	21.6		40.31	61	35	*

Client: CHA Inc

Job Number: 220-14062-1

Method Blank - Batch: 220-45411

Method: 6020
Preparation: 3010A

Lab Sample ID: MB 220-45411/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/23/2010 1516
Date Prepared: 11/23/2010 0930

Analysis Batch: 220-45460
Prep Batch: 220-45411
Units: ug/L

Instrument ID: ICPMS
Lab File ID: 054SMPL.D#.raw
Initial Weight/Volume: 100 mL
Final Weight/Volume: 500 mL

Analyte	Result	Qual	MDL	RL
Antimony	4.0	U	1.0	4.0
Arsenic	2.5	U	0.50	2.5
Barium	2.5	U	0.50	2.5
Beryllium	2.5	U	0.50	2.5
Cadmium	2.5	U	0.50	2.5
Chromium	5.0	U	1.0	5.0
Copper	5.0	U	0.50	5.0
Lead	2.5	U	0.50	2.5
Nickel	2.5	U	0.50	2.5
Selenium	5.0	U	1.0	5.0
Silver	2.5	U	0.50	2.5
Thallium	3.5	U	1.0	3.5
Vanadium	2.5	U	0.50	2.5
Zinc	25.0	U	2.5	25.0

Lab Control Sample - Batch: 220-45411

Method: 6020
Preparation: 3010A

Lab Sample ID: LCS 220-45411/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/23/2010 1548
Date Prepared: 11/23/2010 0930

Analysis Batch: 220-45460
Prep Batch: 220-45411
Units: ug/L

Instrument ID: ICPMS
Lab File ID: 063SMPL.D#.raw
Initial Weight/Volume: 50 mL
Final Weight/Volume: 500 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Antimony	1000	972.3	97	80 - 120	
Arsenic	1000	1058	106	80 - 120	
Barium	300	304.7	102	80 - 120	
Beryllium	100	108.1	108	80 - 120	
Cadmium	300	311.2	104	80 - 120	
Chromium	300	309.4	103	80 - 120	
Copper	300	310.2	103	80 - 120	
Lead	1000	1030	103	80 - 120	
Nickel	300	315.2	105	80 - 120	
Selenium	500	577.7	116	80 - 120	
Silver	300	317.2	106	80 - 120	
Thallium	1000	885.5	89	80 - 120	
Vanadium	300	310.0	103	80 - 120	
Zinc	300	324.8	108	80 - 120	

Client: CHA Inc

Job Number: 220-14062-1

Method Blank - Batch: 220-45394

Method: 7470A
Preparation: 7470A

Lab Sample ID: MB 220-45394/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/23/2010 1136
Date Prepared: 11/22/2010 1403

Analysis Batch: 220-45429
Prep Batch: 220-45394
Units: ug/L

Instrument ID: MERC1
Lab File ID: CV112310.TXT
Initial Weight/Volume: 25 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Mercury	0.20	U	0.060	0.20

Lab Control Sample - Batch: 220-45394

Method: 7470A
Preparation: 7470A

Lab Sample ID: LCS 220-45394/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/23/2010 1137
Date Prepared: 11/22/2010 1403

Analysis Batch: 220-45429
Prep Batch: 220-45394
Units: ug/L

Instrument ID: MERC1
Lab File ID: CV112310.TXT
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	5.00	5.00	100	80 - 120	

Client: CHA Inc

Job Number: 220-14062-1

Method Blank - Batch: 220-45561

Method: 7470A
Preparation: 7470A

Lab Sample ID: MB 220-45561/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/30/2010 1149
Date Prepared: 11/29/2010 1135

Analysis Batch: 220-45597
Prep Batch: 220-45561
Units: mg/L

Instrument ID: MERC1
Lab File ID: CV113010.TXT
Initial Weight/Volume: 25 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Mercury	0.00040	U	0.00020	0.00040

TCLP SPLPE Leachate Blank - Batch: 220-45561

Method: 7470A
Preparation: 7470A
TCLP

Lab Sample ID: LB 220-45376/2-C
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/30/2010 1151
Date Prepared: 11/29/2010 1135
Date Leached: 11/22/2010 1212

Analysis Batch: 220-45597
Prep Batch: 220-45561
Units: mg/L

Leachate Batch: 220-45376

Instrument ID: MERC1
Lab File ID: CV113010.TXT
Initial Weight/Volume: 5 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Mercury	0.0020	U	0.0010	0.0020

Lab Control Sample - Batch: 220-45561

Method: 7470A
Preparation: 7470A

Lab Sample ID: LCS 220-45561/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/30/2010 1150
Date Prepared: 11/29/2010 1135

Analysis Batch: 220-45597
Prep Batch: 220-45561
Units: mg/L

Instrument ID: MERC1
Lab File ID: CV113010.TXT
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.00500	0.00511	102	80 - 120	

Client: CHA Inc

Job Number: 220-14062-1

Method Blank - Batch: 220-45442

Method: 7471A
Preparation: 7471A

Lab Sample ID: MB 220-45442/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/24/2010 1328
Date Prepared: 11/23/2010 1455

Analysis Batch: 220-45504
Prep Batch: 220-45442
Units: mg/Kg

Instrument ID: MERC1
Lab File ID: CV112410.TXT
Initial Weight/Volume: 0.60 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Mercury	0.050	U	0.0040	0.050

Lab Control Sample - Batch: 220-45442

Method: 7471A
Preparation: 7471A

Lab Sample ID: LCS 220-45442/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/24/2010 1329
Date Prepared: 11/23/2010 1455

Analysis Batch: 220-45504
Prep Batch: 220-45442
Units: mg/Kg

Instrument ID: MERC1
Lab File ID: CV112410.TXT
Initial Weight/Volume: 0.60 g
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.417	0.406	97	80 - 120	

Matrix Spike - Batch: 220-45442

Method: 7471A
Preparation: 7471A

Lab Sample ID: 220-14062-2
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/24/2010 1333
Date Prepared: 11/23/2010 1455

Analysis Batch: 220-45504
Prep Batch: 220-45442
Units: mg/Kg

Instrument ID: MERC1
Lab File ID: CV112410.TXT
Initial Weight/Volume: 0.65 g
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.072	U	0.221	0.224	86	75 - 125	

Client: CHA Inc

Job Number: 220-14062-1

Duplicate - Batch: 220-45442

Method: 7471A
Preparation: 7471A

Lab Sample ID: 220-14062-2
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/24/2010 1332
Date Prepared: 11/23/2010 1455

Analysis Batch: 220-45504
Prep Batch: 220-45442
Units: mg/Kg

Instrument ID: MERC1
Lab File ID: CV112410.TXT
Initial Weight/Volume: 0.60 g
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Mercury	0.072	U	0.072	NC	35	U

Client: CHA Inc

Job Number: 220-14062-1

Method Blank - Batch: 220-45452

Method: 9012
Preparation: 7.3.3

Lab Sample ID: MB 220-45452/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/23/2010 1553
Date Prepared: 11/19/2010 1620

Analysis Batch: 220-45455
Prep Batch: 220-45452
Units: mg/Kg

Instrument ID: LACHET3
Lab File ID: OM_23 Nov
Initial Weight/Volume: 10.00 g
Final Weight/Volume: 100 mL

Analyte	Result	Qual	RL	RL
Cyanide, Reactive	0.50	U	0.50	0.50

Duplicate - Batch: 220-45452

Method: 9012
Preparation: 7.3.3

Lab Sample ID: 220-14062-10
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/23/2010 1558
Date Prepared: 11/19/2010 1620

Analysis Batch: 220-45455
Prep Batch: 220-45452
Units: mg/Kg

Instrument ID: LACHET3
Lab File ID: OM_23 Nov
Initial Weight/Volume: 10.00 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Cyanide, Reactive	0.50	U	0.50	NC	20	U

Client: CHA Inc

Job Number: 220-14062-1

Method Blank - Batch: 220-45514

Method: 9034
Preparation: 7.3.4

Lab Sample ID: MB 220-45514/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/24/2010 1300
Date Prepared: 11/19/2010 1620

Analysis Batch: 220-45515
Prep Batch: 220-45514
Units: mg/Kg

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 10.00 g
Final Weight/Volume: 100 mL

Analyte	Result	Qual	RL	RL
Sulfide, Reactive	20.0	U	20.0	20.0

Matrix Spike Blank - Batch: 220-45514

Method: 9034
Preparation: 7.3.4

Lab Sample ID: MSB 220-45514/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/24/2010 1300
Date Prepared: 11/19/2010 1620

Analysis Batch: 220-45515
Prep Batch: 220-45514
Units: mg/Kg

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 10.00 g
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Sulfide, Reactive	520	424.0	82	0 - 200	

Matrix Spike - Batch: 220-45514

Method: 9034
Preparation: 7.3.4

Lab Sample ID: 220-14062-10
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/24/2010 1300
Date Prepared: 11/19/2010 1620

Analysis Batch: 220-45515
Prep Batch: 220-45514
Units: mg/Kg

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 10.00 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Sulfide, Reactive	20.0	U	520	384.0	74	0 - 200	

Client: CHA Inc

Job Number: 220-14062-1

Duplicate - Batch: 220-45514

Method: 9034
Preparation: 7.3.4

Lab Sample ID: 220-14062-10
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/24/2010 1300
Date Prepared: 11/19/2010 1620

Analysis Batch: 220-45515
Prep Batch: 220-45514
Units: mg/Kg

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 10.00 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Sulfide, Reactive	20.0	U	20.0	NC	200	U

Client: CHA Inc

Job Number: 220-14062-1

Method Blank - Batch: 220-45339

Method: 9045C
Preparation: N/A

Lab Sample ID: MB 220-45339/1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/20/2010 1220
Date Prepared: N/A

Analysis Batch: 220-45339
Prep Batch: N/A
Units: SU

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 20.00 g
Final Weight/Volume: 20.00 mL

Analyte	Result	Qual	RL	RL
pH	4.210		0.100	0.100

Duplicate - Batch: 220-45339

Method: 9045C
Preparation: N/A

Lab Sample ID: 220-14062-10
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/20/2010 1223
Date Prepared: N/A

Analysis Batch: 220-45339
Prep Batch: N/A
Units: SU

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 20.00 g
Final Weight/Volume: 20.00 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
pH	4.52	4.550	0.7	20	

PERFORMANCE VERIFICATION
CT-ETPH

Lab Name: TestAmerica
Lab Code: TestAmerica Case No: SDG No:
Instrument: hp7890-x.i Sequence: \\Consvr05\Files\chem\GC\hp7890-x.i\xc1111119-etph.b
Column: RTX-1 ID: 0.53 Init. Calib Dates(s): 21-NOV-2010 19:39 21-NOV-2010 21:20
Sample No. (Alkane): CCV-540927;ETPH4 Date Analyzed: 24-NOV-2010 10:11
Lab File ID: CX1111119.D

Compound	RT	RT Window FROM	RT Window TO	RF	AVG RF	%DIFF
C9 n-nonane	1.3	1.25	1.35	6904	6764	2
C10 n-decane	1.61	1.56	1.66	6917	6764	2.2
C12 n-dodecane	2.25	2.2	2.3	6929	6764	2.4
C14 n-tetradecane	2.91	2.86	2.96	6945	6764	2.6
C16 n-hexadecane	3.55	3.5	3.6	6977	6764	3.1
C18 n-octadecane	4.18	4.13	4.23	7113	6764	5.1
C20 n-eicosane	4.84	4.79	4.89	7035	6764	4
C22 n docosane	5.49	5.44	5.54	6921	6764	2.3
C24 n-tetracosane	6.13	6.08	6.18	6977	6764	3.1
C26 n-hexacosane	6.78	6.73	6.83	7029	6764	3.9
C28 n-octacosane	7.43	7.38	7.48	6899	6764	1.9
C30 n-triacontane	8.05	8	8.1	6895	6764	1.9
C32 n-dotriacontane	8.64	8.59	8.69	6653	6764	-1.6
C34 n-tetratriacontane	9.21	9.16	9.26	6134	6764	-9.3
C36 n-hexatriacontane	9.75	9.7	9.8	5138	6764	-24

PERFORMANCE VERIFICATION
CT-ETPH

Lab Name: TestAmerica
Lab Code: TestAmerica Case No: SDG No:
Instrument: hp7890-x.i Sequence: \\Consvr05\Files\chem\GC\hp7890-x.i\xc1111119-etph.b
Column: RTX-1 ID: 0.53 Init. Calib Dates(s): 21-NOV-2010 19:39 21-NOV-2010 21:20
Sample No. (Alkane): CCV-540927;ETPH4 Date Analyzed: 24-NOV-2010 11:29
Lab File ID: CX1111123.D

Compound	RT	RT Window FROM	RT Window TO	RF	AVG RF	%DIFF
C9 n-nonane	1.3	1.25	1.35	7054	6895	2.3
C10 n-decane	1.61	1.56	1.66	7051	6895	2.2
C12 n-dodecane	2.25	2.2	2.3	7051	6895	2.2
C14 n-tetradecane	2.91	2.86	2.96	7074	6895	2.5
C16 n-hexadecane	3.55	3.5	3.6	7101	6895	2.9
C18 n octadecane	4.18	4.13	4.23	7237	6895	4.9
C20 n-eicosane	4.84	4.79	4.89	7159	6895	3.8
C22 n-docosane	5.49	5.44	5.54	7061	6895	2.4
C24 n-tetracosane	6.13	6.08	6.18	7109	6895	3.1
C26 n-hexacosane	6.78	6.73	6.83	7158	6895	3.8
C28 n-octacosane	7.42	7.37	7.47	7023	6895	1.8
C30 n-triacontane	8.04	7.99	8.09	7021	6895	1.8
C32 n-dotriacontane	8.63	8.58	8.68	6800	6895	-1.3
C34 n-tetratriacontane	9.2	9.15	9.25	6293	6895	-8.7
C36 n-hexatriacontane	9.74	9.69	9.79	5243	6895	-23.9

PERFORMANCE VERIFICATION
CT-ETPH

Lab Name: TestAmerica
Lab Code: TestAmerica Case No: SDG No:
Instrument: hp5890-2c.i Sequence: \\Consvr05\Files\chem\GC\hp5890-2c.i\c2582072.b
Column: RTX-1 ID: 0.53 Init. Calib Dates(s): 18-NOV-2010 15:57 18-NOV-2010 18:11
Sample No. (Alkane): CCV-540927;ETPH4 Date Analyzed: 23-NOV-2010 18:23
Lab File ID: C2582085.d

Compound	RT	RT Window FROM	RT Window TO	RF	AVG RF	%DIFF
C9 n-nonane	1.6	1.55	1.65	108795	100182	8.5
C10 n-decane	2.18	2.13	2.23	108065	100182	7.8
C12 n-dodecane	3.26	3.21	3.31	105557	100182	5.3
C14 n-tetradecane	4.22	4.17	4.27	103084	100182	2.8
C16 n-hexadecane	5.08	5.03	5.13	101637	100182	1.4
C18 n-octadecane	5.85	5.8	5.9	102312	100182	2.1
C20 n-eicosane	6.55	6.5	6.6	100289	100182	0.1
C22 n-docosane	7.19	7.14	7.24	97885	100182	-2.2
C24 n-tetracosane	7.78	7.73	7.83	98077	100182	-2.1
C26 n-hexacosane	8.33	8.28	8.38	98503	100182	-1.6
C28 n-octacosane	8.84	8.79	8.89	96501	100182	-3.6
C30 n-triacontane	9.31	9.26	9.36	97655	100182	-2.5
C32 n-dotriacontane	9.76	9.71	9.81	94963	100182	-5.2
C34 n-tetratriacontane	10.21	10.16	10.26	95693	100182	-4.4
C36 n-hexatriacontane	10.76	10.71	10.81	93723	100182	-6.4

PERFORMANCE VERIFICATION
CT-ETPH

Lab Name: TestAmerica
Lab Code: TestAmerica Case No: SDG No:
Instrument: hp5890-2c.i Sequence: \\Consvr05\Files\chem\GC\hp5890-2c.i\c2582072.b
Column: RTX-1 ID: 0.53 Init. Calib Dates(s): 18-NOV-2010 15:57 18-NOV-2010 18:11
Sample No. (Alkane): CCV-540927;ETPH4 Date Analyzed: 24-NOV-2010 02:52
Lab File ID: C2582103.d

Compound	RT	RT Window FROM	RT Window TO	RF	AVG RF	%DIFF
C9 n-nonane	1.6	1.55	1.65	111701	103132	8.3
C10 n-decane	2.17	2.12	2.22	111348	103132	7.9
C12 n-dodecane	3.26	3.21	3.31	108594	103132	5.2
C14 n-tetradecane	4.22	4.17	4.27	106133	103132	2.9
C16 n-hexadecane	5.07	5.02	5.12	104799	103132	1.6
C18 n-octadecane	5.85	5.8	5.9	105473	103132	2.2
C20 n-eicosane	6.55	6.5	6.6	104430	103132	1.2
C22 n-docosane	7.19	7.14	7.24	100703	103132	-2.3
C24 n-tetracosane	7.78	7.73	7.83	100634	103132	-2.4
C26 n-hexacosane	8.32	8.27	8.37	100981	103132	-2
C28 n-octacosane	8.83	8.78	8.88	99317	103132	-3.6
C30 n-triacontane	9.31	9.26	9.36	99559	103132	-3.4
C32 n-dotriacontane	9.75	9.7	9.8	98179	103132	-4.8
C34 n-tetratriacontane	10.2	10.15	10.25	98476	103132	-4.5
C36 n-hexatriacontane	10.75	10.7	10.8	96666	103132	-6.2

PERFORMANCE VERIFICATION
CT-ETPH

Lab Name: TestAmerica
Lab Code: TestAmerica Case No: SDG No:
Instrument: hp7890-x.i Sequence: \\Consvr05\Files\chem\GC\hp7890-x.i\xc1111119-etph.b
Column: RTX 1 ID: 0.53 Init. Calib Dates(s): 21-NOV-2010 19:39 21-NOV-2010 21:20
Sample No. (Alkane): CCV-540927;ETPH4 Date Analyzed: 24-NOV-2010 11:29
Lab File ID: CX1111123.D

Compound	RT	RT Window FROM	RT Window TO	RF	AVG RF	%DIFF
C9 n-nonane	1.3	1.25	1.35	7054	6895	2.3
C10 n-decane	1.61	1.56	1.66	7051	6895	2.2
C12 n-dodecane	2.25	2.2	2.3	7051	6895	2.2
C14 n tetradecane	2.91	2.86	2.96	7074	6895	2.5
C16 n-hexadecane	3.55	3.5	3.6	7101	6895	2.9
C18 n-octadecane	4.18	4.13	4.23	7237	6895	4.9
C20 n-eicosane	4.84	4.79	4.89	7159	6895	3.8
C22 n-docosane	5.49	5.44	5.54	7061	6895	2.4
C24 n-tetracosane	6.13	6.08	6.18	7109	6895	3.1
C26 n hexacosane	6.78	6.73	6.83	7158	6895	3.8
C28 n-octacosane	7.42	7.37	7.47	7023	6895	1.8
C30 n-triacontane	8.04	7.99	8.09	7021	6895	1.8
C32 n-dotriacontane	8.63	8.58	8.68	6800	6895	-1.3
C34 n-tetratriacontane	9.2	9.15	9.25	6293	6895	-8.7
C36 n-hexatriacontane	9.74	9.69	9.79	5243	6895	-23.9

PERFORMANCE VERIFICATION
CT-ETPH

Lab Name: TestAmerica
Lab Code: TestAmerica Case No: SDG No:
Instrument: hp7890-x.i Sequence: \\Consvr05\Files\chem\GC\hp7890-x.i\xc1111119-etph.b
Column: RTX-1 ID: 0.53 Init. Calib Dates(s): 21-NOV-2010 19:39 21-NOV-2010 21:20
Sample No. (Alkane): CCV-540927;ETPH4 Date Analyzed: 24-NOV-2010 14:25
Lab File ID: CX1111132.D

		RT Window				
Compound	RT	FROM	TO	RF	AVG RF	%DIFF
C9 n-nonane	1.3	1.25	1.35	7093	6951	2
C10 n-decane	1.61	1.56	1.66	7123	6951	2.4
C12 n-dodecane	2.25	2.2	2.3	7130	6951	2.5
C14 n-tetradecane	2.91	2.86	2.96	7141	6951	2.7
C16 n-hexadecane	3.55	3.5	3.6	7171	6951	3.1
C18 n-octadecane	4.18	4.13	4.23	7306	6951	5.1
C20 n-eicosane	4.84	4.79	4.89	7224	6951	3.9
C22 n-docosane	5.49	5.44	5.54	7115	6951	2.3
C24 n-tetracosane	6.13	6.08	6.18	7169	6951	3.1
C26 n-hexacosane	6.78	6.73	6.83	7230	6951	4
C28 n-octacosane	7.42	7.37	7.47	7079	6951	1.8
C30 n-triacontane	8.04	7.99	8.09	7076	6951	1.7
C32 n-dotriacontane	8.63	8.58	8.68	6844	6951	-1.5
C34 n-tetratriacontane	9.2	9.15	9.25	6311	6951	-9.2
C36 n-hexatriacontane	9.74	9.69	9.79	5253	6951	-24.4

Aqueous Extraction Analysis Sheet

(To Accompany Samples to Instruments)

45554

Batch Number: 220-45458 Analyst: Faiella, Tim Batch Open: 11/23/2010 5:13:54PM

Method Code: 220-3510C-220 Batch End: 11/23/2010 7:44:00PM

220-14062
Pest tcl + chlord

1st level
TP 11/29/10 11/29/10

Liquid-Liquid Extraction (Separatory Funnel)

	Input Sample Lab ID (Analytical Method)	SDG	GrossWt TareWt	InitAmnt FinAmnt	PHs Rcvd	PHs Adj1	PHs Adj2	Due Date	Analytical TAT	Div Rank	Comments	Output Sample Lab ID
1	MB~220-45458/1 N/A	N/A		1000 mL	7			N/A	N/A	N/A	CID8609017	MB 220-45458/1-A
				10 mL								
2	LCS~220-45458/2 N/A	N/A		1000 mL	7			N/A	N/A	N/A	Pest QC 018	LCS 220-45458/2-A
				10 mL								
3	LCS~220-45458/3 N/A	N/A		1000 mL	7			N/A	N/A	N/A	PCB QC	LCS 220-45458/3-A
				10 mL								
4	LCSD~220-45458/4 N/A	N/A		1000 mL	7			N/A	N/A	N/A	PCB QCD	LCSD 220-45458/4-A
				10 mL								
5	220-14062-B-11 (8081RCP)	N/A		960 mL	6			11/24/10	3_Days - R	3	019	220-14062-B-11-A
				10 mL								
6	220-14061-D-45 (8082RCP)	N/A		1000 mL	5			11/24/10	7_Day_Rush - R	3		220-14061-D-45-A
				10 mL								

CID8609
002-016
020/021

CID8609
002/014, 016
020/021
Fail high 11/27/10
no hits 20:28
NCM-28660

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TestAmerica Connecticut
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Phone (203) 929-8140 Fax (203) 929-8142

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Contact: Sarah Newell	**Field Sampler:** Scott Roseman	**TAT Required (business days):** 10 Day	**Lab PM/Contact:** Johanna Dirbauskas
Company: CHA	**Mobile/Field Number:** 518 331-7748		**Lab Job Number (Lab Use Only):** 14062
Address: 3 Winners Circle	**E-Mail:**	**Deliverable Type (Report/EDD):** Report PDF and Excel	**Passed Rad Screen (Lab Use Only):** [ ] Yes [ ] No
City, State, Zip: Albany, NY 12205	**PO #:**	**Sample Disposal:** [ ] Return to Client [x] Disposal by Lab [ ] Archive for __ Months (A fee may be assessed if samples are retained for longer than 1 month)	**Cooler Temperatures (Lab Use Only):** #1 6.2 #2 10.7 Pace
Phone: 518-453-8949	**WO #:**		
Email: Snewell@chacompanies	**Project #:** 20466	**State Regulatory QC Criteria Requirements:**	**COC Number:** 17314
Project Name/Site Location (State): Naugatuck, CT	**SSOW#:**		**Page** 1 of 1
			Carrier Tracking Notes:

Samples submitted for analysis will be subject to TestAmerica Terms and Conditions

TA #	Field Sample Identification (Containers for each sample may be combined on one line)	Collection Date	Collection Time (24-Hour Clock)	Matrix Aq=Aqueous, S=Solid, W=Waste/Oil, O=Other	MS/ MSD (Yes or No)	No. of Containers/Preservatives: Unpreserved	H2SO4	HNO3	HCL	NaOH	ZnAc/NaOH	Other	Analysis (Attach list if more space is needed): 8270 Rep-TCLP	6010 Rep-TCLP	7470 Rep-Mercury	8260 Rep-TCLP	8151A-TCLP	1030-Burn Prep	9045-pH	9012-Amenable	9034-Reactive-Sulfide	Comments
10	GP-3 (2'-3')	11-15-10	11:40	S	No	6							X	X	X	X	X	X	X	X	X	

Relinquished by: Scott Rose	Date/Time: 11/18/10 1422PM	Company CHA	Received by:	Date/Time: 11/18/10 1625	Company TAL/CT
Relinquished by:	Date/Time: 11/18/10 1655	Company TAL/CT	Received by:	Date/Time: 11-18-10 1655	Company TA/CT
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Comments:

DISTRIBUTION: WHITE - Stays with the Samples; CANARY - Returned to Client with Report; PINK - Field Copy

Field Sampling / Shipping Instructions and Laboratory Sample Receipt Policy included on Reverse Side of COC

TAL-0015 (0609)

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Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Contact: Sarah Newell	**Field Sampler:** Scott Rosen	**TAT Required (business days):** 10-Day	**Lab PM/Contact:** Johanna Dubauskas	**COC Number:** 17312
Company: CHA	**Mobile/Field Number:** 518-339-7748		**Lab Job Number (Lab Use Only):** 14062	**Page** 1 of __
Address: 3 Winners Circle	**E-Mail:**	**Deliverable Type (Report/EDD):** Report PDF + Equis		**Carrier Tracking**
City, State, Zip: Albany, NY 12205	**PO #:**	**Sample Disposal:** [ ] Return to Client [X] Disposal by Lab [ ] Archive for __ Months (A fee may be assessed if samples are retained for longer than 1 month)	**Passed Rad Screen (Lab Use Only):** [X] Yes [ ] No	**Notes:**
Phone: 518-453-8749	**WO #:**		**Cooler Temperatures (Lab Use Only):** 1) 8.2 2) 12.7 Pale	
Email: snewell@chacompanies.com	**Project #:** 204606	**State Regulatory QC Criteria Requirements:**	**Analysis (Attach list if more space is needed)**	
Project Name/Site Location (State): Naugatuck, CT	**SSOW#:**			

Samples submitted for analysis will be subject to TestAmerica Terms and Conditions

Sample #	Field Sample Identification (Containers for each sample may be combined on one line)	Collection Date	Collection Time (24-Hour Clock)	Matrix (Aq=Aqueous, S=Solid, W=Waste/Oil, O=Other)	MS/ MSD (Yes or No)	No. of Containers/Preservatives: Unpreserved	H2SO4	HNO3	HCL	NaOH	ZnAc/NaOH	Other	8260B - CTRCP Compound List	CT-ETPH	8270C - CTRCP Compound List	8081A - CTRCP Compound List	6020 - CTRCP	7471 RCP-Hg			Comments
1	GP-1 (4'-4'8")	11-18-10	09:50	S	No	5							X	X	X	X	X	X			
2	GP-2 (4'4"-5')		10:35			5							X	X	X	X	X	X			
3	GP-3 (2'-2'7")		11:30			5							X	X	X	X	X	X			
4	GP-4 (8'-9'2")		12:25			5							X	X	X	X	X	X			
5	GP-5 (1'-1'5")		13:40			5							X	X	X	X	X	X			
6	GP-6 (4'-5')		13:55			5							X	X	X	X	X	X			
7	GP-7 (4'-4'8")		14:30			5							X	X	X	X	X	X			
8	GP-8 (1'-2')		15:10			5							X	X	X	X	X	X			
9	TRIP BLANK	NA	NA	Aq	No				1				X								

Relinquished by: Scott Rosen	Date/Time: 11/18/10 4:22PM	Company CHA	Received by:	Date/Time: 11/18/10 1620	Company TAL/CT
Relinquished by:	Date/Time: 11/18/10 1655	Company TAL/CT	Received by:	Date/Time: 11-18-10 1655	Company TA/CT
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Comments:

DISTRIBUTION: WHITE - Stays with the Samples; CANARY - Returned to Client with Report; PINK - Field Copy

Field Sampling / Shipping Instructions and Laboratory Sample Receipt Policy included on Reverse Side of COC

TAL-0015 (0609)

12/07/2010

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Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Contact: Sarah Newell	**Field Sampler:** Scott Rosecrans	**TAT Required (business days):** 10 Day	**Lab PM/Contact:** Johanna Dybowska
Company: CHA	**Mobile/Field Number:** 518-339-7748		**Lab Job Number (Lab Use Only):** 14062
Address: 3 Winners Circle	**E-Mail:**	**Deliverable Type (Report/EDD):** Report PDF + EDDs	**Passed Rad Screen (Lab Use Only):** [ ] Yes [ ] No
City, State, Zip: Albany, NY 12205	**PO #:**	**Sample Disposal:** [ ] Return to Client [X] Disposal by Lab [ ] Archive for __ Months (A fee may be assessed if samples are retained for longer than 1 month)	**Cooler Temperatures (Lab Use Only):** 1) 2.2 2) 0.7 probe
Phone: 518-453-8749	**WO #:**		
Email: SNewell@chacompanies.com	**Project #:** 20466	**State Regulatory QC Criteria Requirements:**	**COC Number:** 17313
Project Name/Site Location (State): Naugatuck, CT	**SSOW#:**		**Page** 1 **of** 1
			Carrier Tracking Notes:

Samples submitted for analysis will be subject to TestAmerica Terms and Conditions

TA #	Field Sample Identification (Containers for each sample may be combined on one line)	Collection Date	Collection Time (24-Hour Clock)	Matrix Aq=Aqueous, S=Solid, W=Waste/Oil, O=Other	MS/ MSD (Yes or No)	No. of Containers/Preservatives: Unpreserved	H2SO4	HNO3	HCL	NaOH	ZnAc/NaOH	Other	Analysis (Attach list if more space is needed): Gasoline RCP - CT RCP / Analyte List	8270 RCP Mercury	CT ETPH	8270 RCP - CT RCP	8081 RCP - CT RCP	8260 RCP - CT RCP	Comments
1	GP-2	11-18-10	15:35	Aq	NO	6			3	1			X	X	X	X	X	X	
2	TRIP BLANK	NA	NA	Aq	NO				1									X	

Relinquished by: Scott Rose	Date/Time: 11/18/10 4:22PM	Company: CHA	Received by:	Date/Time: 11/18/10 1625	Company: TA/CT
Relinquished by:	Date/Time: 11/18/10	Company: TA/CT	Received by:	Date/Time: 11-18-10 1655	Company: TA/CT
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:

Comments:

DISTRIBUTION: WHITE - Stays with the Samples; CANARY - Returned to Client with Report; PINK - Field Copy

Field Sampling / Shipping Instructions and Laboratory Sample Receipt Policy included on Reverse Side of COC

TAL-0015 (0609)

Login Sample Receipt Check List

Client: CHA Inc

Job Number: 220-14062-1

Login Number: 14062
List Source: TestAmerica Connecticut
Creator: Lee, Anthony
List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	sample were taken the same day
Cooler Temperature is recorded.	True	8.2 12.7
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

Login Sample Receipt Check List

Client: CHA Inc

Job Number: 220-14062-1

Login Number: 14062
Creator: Bobo, Steve
List Number: 1

List Source: TestAmerica Edison
List Creation: 11/20/10 06:04 PM

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.4°C IRC #50
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

Login Sample Receipt Check List

Client: CHA Inc

Job Number: 220-14062-1

Login Number: 14062
Creator: Retana, Camille
List Number: 2

List Source: TestAmerica Edison
List Creation: 11/24/10 06:41 PM

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.9°C IR # 50
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	

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Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Dubauskas, Johanna	Carrier Tracking No(s):	COC No: 220-6978.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: johanna.dubauskas@testamericainc.com		Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.				Job #: 220-14062-1

Address: 777 New Durham Road, ,	Due Date Requested: 11/30/2010
City: Edison	TAT Requested (days):
State, Zip: NJ, 08817	
Phone: 732-549-3900(Tel) 732-549-3679(Fax)	PO #:
Email:	WO #:
Project Name: Naugatuck, CT	Project #: 22003433
Site:	SSOW#:

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1030	8151A/1311_T TCLP Herbicides	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
GP-3 (2-3) (220-14062-10)	11/18/10	11:40 Eastern		Solid			X	X	1	

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

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

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time: 11-19-10 18:00	Company TA/CT	Received by: Fedex	Date/Time:	Company
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.: Fedex 11/20/10 10:10		Cooler Temperature(s) °C and Other Remarks: 2.4 & #50		

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12/07/2010

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Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Dubauskas, Johanna	Carrier Tracking No(s):	COC No: 220-7004.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: johanna.dubauskas@testamericainc.com		Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.				Job #: 220-14062-1

Address: 777 New Durham Road, ,	Due Date Requested: 11/30/2010
City: Edison	TAT Requested (days):
State, Zip: NJ, 08817	
Phone: 732-549-3900(Tel) 732-549-3679(Fax)	PO #:
Email:	WO #:
Project Name: Naugatuck, CT	Project #: 22003433
Site:	SSOW#:

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8081RCP/3541 8081A - CT RCP Compound List	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
GP-1 (4-4.8) (220-14062-1)	11/18/10	09:50 Eastern		Solid			X	1	
GP-2 (4.4-5) (220-14062-2)	11/18/10	10:35 Eastern		Solid			X	1	
GP-3 (2-2.7) (220-14062-3)	11/18/10	11:30 Eastern		Solid			X	1	
GP-4 (8-9.2) (220-14062-4)	11/18/10	12:25 Eastern		Solid			X	1	
GP-5 (1-1.5) (220-14062-5)	11/18/10	13:40 Eastern		Solid			X	1	
GP-6 (4-5) (220-14062-6)	11/18/10	13:55 Eastern		Solid			X	1	
GP-7 (4-4.8) (220-14062-7)	11/18/10	14:30 Eastern		Solid			X	1	
GP-8 (1-2) (220-14062-8)	11/18/10	15:10 Eastern		Solid			X	1	

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

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

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

Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time: 11-23-10 1545	Company TA/CT	Received by:	Date/Time:	Company
Relinquished by:	Date/Time: 11/24/10 10.30	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by: 0.9 ±50	Date/Time:	Company

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

12/07/2010