PHASE II ENVIRONMENTAL SITE ASSESSMENTS AND REMEDIATION COST ESTIMATES FOR ASBESTOS, LEAD-BASED PAINT, POLYCHLORINATED BIPHENYL CONTAMINATION FORMER HOUSING AUTHORITY BUILDING 633 CRAZY HORSE ST. LOWER BRULE, SD

PREPARED FOR:

THE LOWER BRULE SIOUX TRIBE
ENVIRONMENTAL PROTECTION OFFICE
LOWER BRULE, SOUTH DAKOTA

LEGEND No. 1303044

AUGUST 29, 2013

L E G E N D
Technical Services, Inc.
www.legend-group.com

LEGEND TECHNICAL SERVICES, INC.

ASBESTOS, LEAD & REGULATED MATERIALS SURVEY
THE LOWER BRULE SIOUX TRIBE
ENVIRONMENTAL PROTECTION OFFICE
LOWER BRULE, SOUTH DAKOTA

FORMER HOUSING AUTHORITY BUILDING
633 CRAZY HORSE STREET
LOWER BRULE, SD

LEGEND No. 1303044

TABLE OF CONTENTS

PHASE II ENVIRONMENTAL SITE ASSESSMENT
LOWER BRULE SIOUX TRIBE
FORMER HOUSING AUTHORITY BUILDING
633 CRAZY HORSE STREET
LOWER BRULE, SD

EXECUTIVE SUMMARY

ASBESTOS –

The following materials were identified as asbestos-containing:

The black sealant located on the hot water heater vent on the roof – there is less than 10 lineal feet of this material on the roof

The floor tile (under floor leveler) in all rooms except the hallways – Note: absence of floor tile in the hallways was based on observation in four separate locations and does not necessarily eliminate it from the hallway locations in the building as observation is difficult do to its white color and location under many floorings applied over it. The assumption should be made that the hallways could contain this flooring for estimating purposes.

The ceiling texture located throughout the building. This is the dominant ceiling finish in the building. Only locations where it is not present are small mechanical spaces.

The ceiling texture is a friable ACM requiring removal prior to demolition. The floor tile is a Category I material that requires removal prior to recycling concrete subflooring. The black sealant is present in such a limited quantity that it is cost effective to remove this material rather than dispose of all the roofing materials as ACM containing during the demolition.

LEAD

Non-destructive XRF testing was variable in identifying lead based paint on the exterior roof line fascia/soffit area. The reason for this appeared to be a mostly peeled away bottom layer of white paint that was the actual lead based paint. Collection of a paint chip sample from areas where the bottom paint was present indicated the paint composite contained 23,000 mg per kilogram lead which is greater than the 5,000 mg per kilogram level indicative of lead based paint. All white exterior fascia/soffit area paint should be assumed to be lead based. The paint is in poor condition in areas and will require stabilization prior to demolition. The fascia/soffit wood is in poor condition and would not be cost effective to recycle even with paint removal.

No lead based paints were identified inside the building.

A composite soil sample was collected from the soffit drip line in areas that were not covered by concrete. The composite soil sample indicates soils are not significantly lead contaminated around the outside the building.

OTHER REGULATED MATERIALS

Limited vandalism had taken place inside the building. All copper piping appeared to be intact. The majority of the fluorescent bulbs had been broken and there were two areas of fluorescent tube glass debris in the building which are identified as sampling points on the building floor plan. Samples of debris were collected from each of these locations and one location exceeded the EPA TCLP limit for

mercury identifying these areas of fluorescent glass debris as a hazardous waste. This means that these areas need to be treated separately from the remainder of the debris and containerized as mercury waste. No equipment with liquid mercury was identified in the building.

Fluorescent light ballasts were examined and identified as "non-PCB". The ballasts contain hydrocarbon oil but there is no PCB present. No other electrical equipment was identified in the building that was suspected of containing PCBs.

Small containers of household cleaning products like cleanser, etc. were present but the total was less than a dozen.

A refrigerator remained that likely has refrigerant that requires recycling. No other refrigerant containing equipment was noted in the building. The building is air conditioned with a forced air furnace inside the building and a compressor outside on the west side. The compressor installation appeared to be fairly new. It is our understanding the compressor will be moved to a different location and re-used. The system will require removal of refrigerant by qualified personnel prior to doing this. There were no window air conditioning units associated with the building.

COST ESTIMATE

Cost Estimate for regulated materials removal/stabilization (asbestos, lead based paint, etc) and demolition.

Item	Sub-total	Time Estimate
Demolition Design (Registered Architect)	$8,300.00	60 days
Asbestos, Regulated Materials Remediation Design	$7,500.00	60 days
Remediation/Removal of all hazardous/regulated materials from building	$55,000.00	30 days
Building Demolition	$60,000.00	30 days
Sub-total	$130,800.00	
10% Contingency	$13,080.00	
Total	$143,880.00	

NARRATIVE REPORT

1.0 INTRODUCTION

This is the final report of Legend Technical Services, Inc. (LEGEND) asbestos, lead and regulated materials ESA Phase II survey performed in the former housing authority building located at 633 Crazy Horse St. in Lower Brule, South Dakota.

The site work was performed on August 14 and 15, 2013. Cheryl Sykora,CIH,CSP,CHMM , EPA Region 8 Tribal Lands Risk Assessor #T8-R-16121-2) and Patricia Roettger (South Dakota Asbestos Inspector #5680) performed the survey for LEGEND.

Work was performed in accordance with LEGEND prepared Quality Assurance Program, Sampling Plan, and Site Safety and Health Plans previously prepared and submitted to the Lower Brule Sioux Tribe EPA office.

2.0 BACKGROUND INFORMATION

633 Crazy Horse St. is a single-story brick veneer slab-on-grade building that is approximately 2,125 square feet (ft^2) in size. The construction of the building suggests that the main south building and the north section were constructed separately from each other at different times as there is a load bearing beam separating the two and the two types of exterior veneer bricks, although a close match, are not exactly the same in appearance. The interior finishes, however, are consistent between the two sections in appearance. It is our understanding, the building was first used as the Housing Authority office, and then as the Lower Brule Police Department headquarters. The building has been empty and boarded up since 2009. Some vandalism has occurred and windows are boarded up.

The heating system is forced air with one household sized furnace with supply ductwork running under the slab and return through a ceiling level duct system. It should be noted that the floor vents were sheet metal as far as could be observed but the system could contain some asbestos transite piping that will not be evident until the slab is demolished. The building has central air conditioning and has a newer compressor unit on the west side. Under floor ductwork was full of debris and would not be useable if it were decided to renovate the building.

Investigation of the flooring indicates the original flooring was generally vinyl tile installed on the concrete slab, with an approximate 2 inch masonry leveling slab poured over the tile and then sheet vinyl and carpeting installed over that. The interior partition walls are gypsum wallboard with taping compound and a textured type paint finish. The gypsum wallboard ceilings are finished with a spray texture which is generally intact. Doors were insulated and hollow core. There was insulated thermal piping inside the building. The piping was insulated with fiberglass on the straight run and had mudded fitting insulation.

3.0 METHODOLOGIES

3.1 Asbestos Sampling/Analysis Survey

Asbestos samples were collected in accordance with the Asbestos Hazard Emergency Response Act (AHERA) Rules, Section 40 CFR Part 763.86. Analysis for the presence of asbestos fibers in bulk samples was performed at LEGEND's St. Paul laboratory. The

analysis was performed in accordance with current U.S. Environmental Protection Agency (USEPA) protocols, "Method for the Determination of Asbestos in Bulk Building Materials," EPA 600/R-93/116, 1993 and “Interim Method for the Determination of Asbestos in Bulk Insulation Samples,” EPA-600M4-82-020, Dec. 1982 All reported percentages are by visual estimates. In the case of nonhomogeneous samples, each material or layer is analyzed separately and the reported percentages are based on the total sample as received.

An asbestos containing material is defined as any material containing greater than one percent asbestos as analyzed by Polarized Light Microscopy (PLM).

3.2 Lead Paint Sampling/Analysis Survey

Lead paint analysis was conducted using an RMD X-Ray Fluorescence Lead Paint Analyzer, Serial Number 1346. An XRF quantitatively measures the concentration of lead within paint by bombarding it with ionizing radiation, which penetrates paint to its substrate. This process causes the samples to emit detectable x-rays, which are then analyzed by the XRF to give a recordable concentration of lead in the sample. The XRF uses a radiation source of Cobalt-57 with a maximum of 12 millicurie for paint identification. Readings were collected on painted surfaces for the presence of lead. Lead based paint is defined by the US EPA as any paint containing lead in concentration of 1.0 milligram per centimeter squared (mg/cm^2) or greater.

The painted surfaces that were found to contain lead paint were visually examined to determine if any deteriorated surfaces were present. Calibration checks were performed on the instrument prior to and at the completion of the inspection to ensure accuracy of the measurements. Lead measurements are keyed to a site plan where each of the four sides is identified as “A”, “B”, “C”, or “D”. Generally side “A” is chosen on the north side or the main entry side. Rooms are assigned the numbers “1”,”2”,”3”,etc. with exterior assigned room 1.

3.3 Regulated Materials Survey

LEGEND conducted a walk through and visual survey of the building materials. Those materials surveyed include the following; mercury-containing materials, polychlorinated biphenyls (PCBs), chlorofluorocarbons (CFCs), hydrochlorofluorocarbons (HCFCs), oil and oil products (including treated timbers), household hazardous waste (paints, varnishes, solvents, and cleaning chemicals), fuel oil tanks, miscellaneous hazardous materials, and solid waste.

3.4 Lead Sample Analysis in the Laboratory

Paint chip samples and soil samples were analyzed in LEGEND’s AIHA ELLAP accredited laboratory in accordance with EPA methodologies using ICP-AES.

3.5 TCLP Mercury Analysis in the Laboratory

Bulk debris samples were collected from the site and analyzed in LEGEND’s environmentally certified laboratory. A known weight of the debris was extracted in

accordance with EPA TCLP methodology and the extract analyzed for mercury content using a Leeman Labs HydraAF mercury analyzer.

4.0 FINDINGS

4.1 Asbestos Survey Results

A total of fifty-two (52) samples were collected and eight (8) of the fifty-two samples contained asbestos.

A black sealant (sample #2) was found to be asbestos containing. The sealant is located on the hot water heater vent on the roof.

Floor tile (samples #21 and #33) was found to be asbestos containing. The ACM floor tile is located under the floor leveler, which itself is under the carpet. This tile was found throughout the rooms in the building. It was not observed in the open area (hallways) of the building but observations are limited so this does not necessarily confirm its absence in these areas. The adhesive was a yellow-ish type and was not asbestos containing.

Ceiling texture (samples #37, #38, #39, #40 and #41) was found to be asbestos containing. This texture is located on ceilings throughout the building.

Table #1 in Appendix A contains the asbestos bulk sample data. Asbestos sample and material locations are shown on the asbestos sample location floor plans.

4.2 Lead Based Paint Inspection Results

XRF was used to evaluate paint in the building for lead content.

White paint located on the eaves was found to be lead-based paint by XRF. The lead content was confirmed by laboratory testing. The white LBP is located around the entire exterior perimeter of the building. The white paint was found to be in poor condition.

The interior paints in the building were not lead containing based on XRF data.

The XRF lead paint inspection data is presented in Appendix and a floor plan is keyed to the readings. Sides are identified as “A”, “B”, “C”, or “D” based on direction and rooms are given unique numbers.

A soil sample was collected around the perimeter at the drip line where soils were present. The composite of ten locations detected 19 milligrams per kilogram (mg/kg) which is well below the EPA screening guideline of 400 mg/kg and no further action is needed.

Appendix B contains the lead survey and sampling data.

4.3 Regulated Materials And Additional Environmental Hazard Survey Results

LEGEND personnel conducted a visual survey for hazardous materials including polychlorinated biphenyls (PCBs), mercury-containing materials, lead, chlorofluorocarbons (CFCs), hydrochlorofluorocarbons (HCFCs), oil and oil products, household hazardous waste, and solid waste.

4.3.1 Polychlorinated Biphenyls (PCBs)

PCBs are toxic coolants or lubricating oils used in some electrical transformers, light ballast, capacitors, door closers, electrical panels, or other similar equipment. Ballasts associated with fluorescent lighting units manufactured before 1978 often used PCB-containing dielectric cooling fluids. Labels bearing the words “No PCBs” generally identify transformers, capacitors, and fluorescent units that do not use PCB-containing oils.

Fluorescent ballasts were checked, and “No PCBs” labels were observed.

4.3.2 Mercury Containing Materials

Mercury can be found in fluorescent lights, high intensity discharge lights (metal halide, high pressure sodium, and mercury vapor), neon lights, thermostats, aquastats, pressurestats, firestats, manometers, and thermometers.

Fluorescent lights were observed on site.

4.3.3 Chlorofluorocarbons (CFCs) and Hydrochlorofluorocarbons (HCFCs)

CFCs and HCFCs are man-made refrigerants that destroy the ozone layer. They can be found in vending machines, food display cases, heat pumps, refrigerators, freezers, chillers, water fountains, dehumidifiers, air conditioners, walk in coolers, and fire extinguishers.

A refrigerator, a central air conditioning unit, and a fire extinguisher were observed on site.

4.3.4 Oil and Oil Products

No oil products were observed on site.

4.3.5 Solid Waste

Solid waste includes any materials that are not building materials or hazardous materials (i.e. chairs, desks, free-standing shelves, furniture, etc.)

Solid waste was observed on site.

4.3.6 Miscellaneous

Items containing circuit boards, smoke detectors with radioactive sources, emergency lights, green treated lumber and miscellaneous household chemicals.

Household hazardous chemicals and items that may contain circuit boards were observed on site.

The following table summarizes the regulated materials identified in the survey.

LOCATION	MATERIALS	PHOTO #	APPROXIMATE QUANTITY
Room 1	Central A/C Unit		1
Room 2	Door Closer		1
Room 2	Fluorescent Ballast		1
Room 2	Fluorescent Bulb Debris		<2 pounds
Room 3	Bath Fan		1
Room 3	Fluorescent Bulb Debris		<2 pounds
Room 4	Exit Sign		1
Room 4	Fluorescent Ballast		2
Room 5	Fluorescent Ballast		1
Room 6	Door Closer		1
Room 6	Exit sign		1
Room 6	Fluorescent Ballast		1
Room 6	Water line		N/A
Room 7	Water Heater		1
Room 8	Fluorescent Ballast		1
Room 8	Electrical Service		N/A
Room 9	Fluorescent Ballast		1
Room 10	Fluorescent Ballast		1
Room 10	Refrigerator		1
Room 10	Cleaning Supplies		N/A
Room 11	Fluorescent Ballast		2
Room 11	5 Gallon Bucket Corrosive Chemical		1
Room 12	Bath Fan		1
Room 13	Fluorescent Ballast		4
Room 13	Aerosol Spray Can		1
Room 14	Fire Extinguisher		1
Room 14	Fluorescent Ballast		1
Room 15	Gas Furnace		1
Room 16	Fluorescent Bulb		4
Room 16	Fluorescent Ballast		2
Room 17	Fluorescent Ballast		1
Room 18	Fluorescent Ballast		1
Room 19	Circuit Breaker		1
Room 20	Fluorescent Bulb		6
Room 20	Fluorescent Bulb Debris		<2 pounds

LOCATION	MATERIALS	PHOTO #	APPROXIMATE QUANTITY
Room 20	Surge Protector		1
Room 21	Fluorescent Bulb Debris		<2 pounds
Room 21	Fluorescent Ballast		6
Room 21	Fluorescent Bulb		4
Room 21	Petroleum Hydrocarbon Spray		1

5.0 STANDARD OF CARE

The recommendations in this report represent our professional opinions. These opinions were arrived at in accordance with currently accepted architectural, engineering, minimum code, and industrial hygiene practices at this time and location. Other than this, no warranty is implied or intended. The asbestos samples will be retained in our laboratory for a period of 30 days from the date of this report unless prior instructions are received from the client.

Cordially,

LEGEND TECHNICAL SERVICES, INC.

Patricia Roettger
SD Asbestos Inspector #5680

Cheryl Sykora, CIH, CSP, CHMM
Project Manager, Region 8 Risk
Assessor #T8-R-16121-2

ASBESTOS DATA

ASBESTOS BULK SAMPLE TABLE
DRAWINGS SHOWING SAMPLE LOCATIONS AND MATERIALS LOCATIONS

LEGEND TECHNICAL SERVICES, INC.

TABLE #1
LEGEND No. 1303044

PHASE II ESA, FORMER HOUSING AUTHORITY
Lower Brule, SD

ASBESTOS BULK SAMPLE RESULTS TABLE

SAMPLE NO.	LAB NO.	LOCATION	MATERIAL/ PHYSICAL DESCRIPTION	ASBESTOS CONTENT	BALANCE OF MATERIAL
01	1303044-1	Roof	Attic Vent Caulk Black, Cementitious Homogeneous	None Detected	20% Cellulose 80% Nonfibrous
02	1303044-2	Roof	Water Heater Stack Sealant, Black Black, Cementitious Homogeneous	**10% Chrysotile**	2% Cellulose 88% Nonfibrous
03	1303044-3	Roof	Shingle, Top, Red Red/White/Black, Cementitious/Fibrous Heterogeneous	None Detected	60% Cellulose 40% Nonfibrous
04	1303044-4	Roof	Shingle, Top, Red Red/White/Black, Cementitious/Fibrous Heterogeneous	None Detected	60% Cellulose 40% Nonfibrous
05	1303044- 5	Roof	Shingle, Under Red Top Shingle #3, Dark Gray Gray/Black, Cementitious/Fibrous Heterogeneous	None Detected	50% Cellulose 50% Nonfibrous
06	1303044-6	Roof	Shingle, Under #5, White White/Black, Cementitious/Fibrous Heterogeneous	None Detected	70% Cellulose 30% Nonfibrous
07	1303044-7	Roof	Tarpaper Black, Fibrous Homogeneous	None Detected	90% Cellulose 8% Nonfibrous 2% Hair
08	1303044-8	Roof	White Shingle White/Black, Cementitious/Fibrous Heterogeneous	None Detected	60% Cellulose 37% Nonfibrous 3% Mica

< = Less than the number shown

ASBESTOS BULK SAMPLE RESULTS TABLE

SAMPLE NO.	LAB NO.	LOCATION	MATERIAL/ PHYSICAL DESCRIPTION	ASBESTOS CONTENT	BALANCE OF MATERIAL
09	1303044-9	Roof	Dark Gray Shingle Black, Cementitious/Fibrous Heterogeneous	None Detected	50% Cellulose 50% Nonfibrous
10	1303044-10	Roof	Tarpaper Black, Fibrous Homogeneous	None Detected	85% Cellulose 12% Nonfibrous 3% Hair
11	1303044-11	Roof	White Caulk – East Side White, Cementitious Homogeneous	None Detected	100% Nonfibrous
12	1303044-12	Exterior Door West	Door, Caulk on Jamb, White White, Cementitious Homogeneous	None Detected	100% Nonfibrous
13	1303044-13	Exterior Door West	Door, Caulk on Jamb, White White, Cementitious Homogeneous	None Detected	100% Nonfibrous
14	1303044-14	Exterior Window East	Window Caulk, White White, Cementitious Homogeneous	None Detected	<1% Cellulose 99% Nonfibrous
15	1303044-15	Exterior Window East	Window Caulk, White White, Cementitious Homogeneous	None Detected	99% Nonfibrous <1% Glass Fibers
16	1303044-16	Exterior Brick Northeast Seam	Building Seam Sealant, Brown Gray, Cementitious Homogeneous	None Detected	2% Cellulose 98% Nonfibrous
17	1303044-17	Exterior Brick Northeast Seam	Building Seam Sealant, Brown Gray, Cementitious Homogeneous	None Detected	3% Cellulose 97% Nonfibrous

< = Less than the number shown

ASBESTOS BULK SAMPLE RESULTS TABLE

SAMPLE NO.	LAB NO.	LOCATION	MATERIAL/ PHYSICAL DESCRIPTION	ASBESTOS CONTENT	BALANCE OF MATERIAL
18	1303044-18	Exterior Door North	Door Caulk, White White, Cementitious Homogeneous	None Detected	100% Nonfibrous
19	1303044-19	Exterior Door East	Door Caulk, East White, Cementitious Homogeneous	None Detected	<1% Cellulose 99% Nonfibrous
20	1303044-20	West Entry	Leveler Layer Floor Gray, Cementitious Homogeneous	None Detected	2% Cellulose 97% Nonfibrous <1% Glass Fibers
21	1303044-21	West Entry	White Vinyl Tile Gray, Cementitious Homogeneous	**3% Chrysotile**	96% Nonfibrous <1% Glass Fibers
22	1303044-22	West Entry	Yellow Tile Adhesive Yellow, Cementitious Homogeneous	None Detected	100% Nonfibrous
23	1303044-23	Restroom	Restroom – Sheet Vinyl Yellow/White, Cementitious Homogeneous	None Detected	100% Nonfibrous
23B	1303044-23B	Restroom	Backing Gray, Fibrous Homogeneous	None Detected	70% Cellulose 10% Nonfibrous 20% Glass Fibers
24	1303044-24	Restroom	Floor Leveler Gray, Cementitious Homogeneous	None Detected	2% Cellulose 98% Nonfibrous
25	1303044-25	Men’s Restroom	Floor Tile Under Leveler Gray, Cementitious Homogeneous	**2% Chrysotile**	98% Nonfibrous

< = Less than the number shown

ASBESTOS BULK SAMPLE RESULTS TABLE

SAMPLE NO.	LAB NO.	LOCATION	MATERIAL/ PHYSICAL DESCRIPTION	ASBESTOS CONTENT	BALANCE OF MATERIAL
26	1303044-26	Men's Restroom	Floor Tile Adhesive Yellow, Cementitious Homogeneous	None Detected	<1% Cellulose 99% Nonfibrous
27	1303044-27	Women's Restroom	Sheet Vinyl Yellow/White, Cementitious Homogeneous	None Detected	100% Nonfibrous
27B	1303044-27B	Women's Restroom	Backing Gray, Fibrous Homogeneous	None Detected	80% Cellulose 10% Nonfibrous 10% Glass Fibers
28	1303044-28	Women's Restroom	Base Cove Adhesive, White White, Cementitious Homogeneous	None Detected	100% Nonfibrous
29	1303044-29	Southeast Office	Base Cove Adhesive, Yellow Tan, Cementitious Homogeneous	None Detected	<1% Cellulose 99% Nonfibrous
30	1303044-30	South Office Next to Southeast	Base Cove Adhesive, Yellow Tan, Cementitious Homogeneous	None Detected	<1% Cellulose 99% Nonfibrous
31	1303044-31	Hall by South Office	Carpet Adhesive, Yellow Tan, Cementitious Homogeneous	None Detected	<1% Cellulose 3% Synthetic Fibers 96% Nonfibrous
32	1303044-32	Door to Men's Restroom	Carpet Adhesive, Yellow Tan, Cementitious Homogeneous	None Detected	2% Synthetic Fibers 98% Nonfibrous
33	1303044-33	Southeast Office Floor Vent	Floor Tile Gray, Cementitious Homogeneous	**2% Chrysotile**	97% Nonfibrous <1% Glass Fibers

< = Less than the number shown

ASBESTOS BULK SAMPLE RESULTS TABLE

SAMPLE NO.	LAB NO.	LOCATION	MATERIAL/ PHYSICAL DESCRIPTION	ASBESTOS CONTENT	BALANCE OF MATERIAL
34	1303044-34	Southeast Office Floor Vent	Floor Tile Adhesive, Yellow Yellow, Cementitious Homogeneous	None Detected	99% Nonfibrous
35	1303044-35	North Entry	Sheetflooring Yellow/White, Cementitious Homogeneous	None Detected	100% Nonfibrous
35B	1303044-35B	North Entry	Sheetflooring Backing Gray, Fibrous Homogeneous	None Detected	30% Synthetic Fibers 40% Nonfibrous 30% Glass Fibers
36	1303044-36	North Entry	Sheetflooring White/Yellow, Cementitious Homogeneous	None Detected	100% Nonfibrous
36B	1303044-36B	North Entry	Backing Gray, Fibrous Homogeneous	None Detected	20% Synthetic Fibers 50% Nonfibrous 30% Glass Fibers
37	1303044-37	Entry	Ceiling Texture White, Cementitious Homogeneous	**3% Chrysotile**	5% Cellulose 2% Mica 90% Nonfibrous
38	1303044-38	Hall by Women's Restroom	Ceiling Texture White, Cementitious Homogeneous	**3% Chrysotile**	3% Cellulose 2% Mica 92% Nonfibrous
39	1303044-39	Southeast Office	Ceiling Texture White, Cementitious Homogeneous	**2% Chrysotile**	2% Cellulose 2% Mica 94% Nonfibrous

< = Less than the number shown

ASBESTOS BULK SAMPLE RESULTS TABLE

SAMPLE NO.	LAB NO.	LOCATION	MATERIAL/ PHYSICAL DESCRIPTION	ASBESTOS CONTENT	BALANCE OF MATERIAL
40	1303044-40	Southwest Office	Ceiling Texture White, Cementitious Homogeneous	**2% Chrysotile**	3% Cellulose 5% Mica 90% Nonfibrous
41	1303044-41	Center Area	Ceiling Texture White, Cementitious Homogeneous	**3% Chrysotile**	<1% Cellulose 5% Mica 91% Nonfibrous
42	1303044-42	Hallway	Wall Texture White, Cementitious Homogeneous	None Detected	2% Cellulose 98% Nonfibrous
43	1303044- 43	Hallway	Wall Texture White, Cementitious Homogeneous	None Detected	<1% Cellulose 99% Nonfibrous
44	1303044-44	Hallway	Wall Texture White, Cementitious Homogeneous	None Detected	2% Cellulose 98% Nonfibrous
45	1303044-45	Water Heater Room	Pipe Joint Insulation Gray, Cementitious Homogeneous	None Detected	2% Cellulose 68% Nonfibrous 30% Glass Fibers
46	1303044-46	Water Heater Room	Pipe Joint Insulation Gray, Cementitious Homogeneous	None Detected	65% Nonfibrous 35% Glass Fibers
47	1303044-47	Hall	Taping Compound White, Cementitious Homogeneous	None Detected	100% Nonfibrous

< = Less than the number shown

LEGEND TECHNICAL SERVICES, INC.

TABLE 1 (continued*)*

LEGEND No. 1303044

ASBESTOS BULK SAMPLE RESULTS TABLE

SAMPLE NO.	LAB NO.	LOCATION	MATERIAL/ PHYSICAL DESCRIPTION	ASBESTOS CONTENT	BALANCE OF MATERIAL
48	1303044-48	Hall	Taping Compound White, Cementitious Homogeneous	None Detected	<1% Cellulose 99% Nonfibrous
49	1303044-49	Hall	Taping Compound White, Cementitious Homogeneous	None Detected	<1% Cellulose 99% Nonfibrous
50	1303044-50	Hall by Kitchen	Drywall White, Cementitious Homogeneous	None Detected	5% Cellulose 93% Nonfibrous 2% Glass Fibers
51	1303044-51	Southeast Office	Drywall White, Cementitious Homogeneous	None Detected	5% Cellulose 94% Nonfibrous <1% Glass Fibers
52	1303044-52	North Entry	Drywall White, Cementitious Homogeneous	None Detected	5% Cellulose 94% Nonfibrous <1% Glass Fibers

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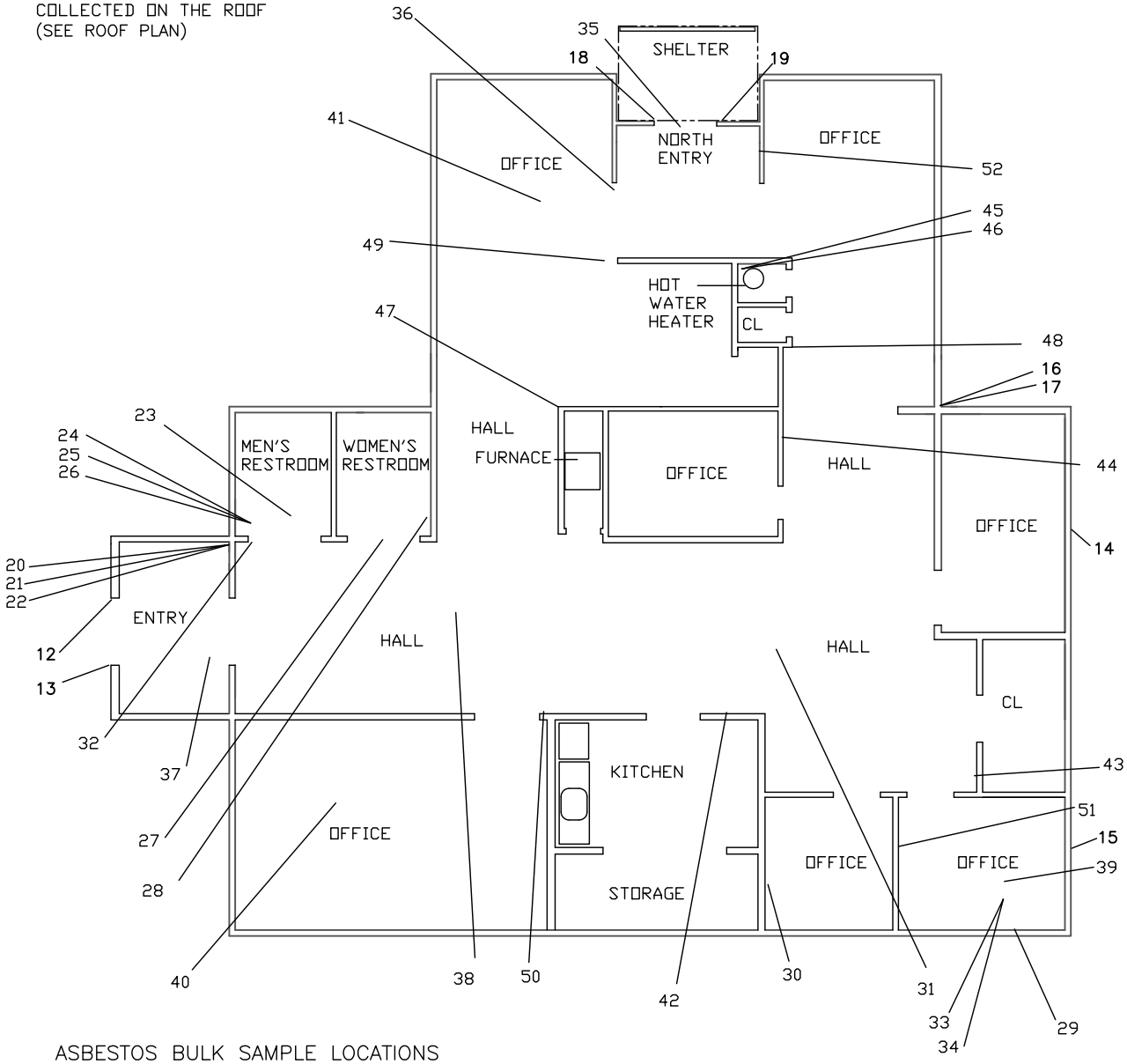
DRAWING IS NOT TO SCALE

NOTE: SAMPLES #1-11 WERE COLLECTED ON THE ROOF (SEE ROOF PLAN)



ASBESTOS BULK SAMPLE LOCATIONS
NUMBERS DESIGNATE LOCATIONS AND ARE KEYED TO TABLE #1
ASBESTOS BULK SAMPLE DATA

LEGEND

1-SAMPLE LOCATIONS

ASBESTOS CONTAINING MATERIALS

FLOOR TILE (under carpet and floor leveler) throughout building (except halls) is ACM

CEILING TEXTURE throughout building is ACM

Hot water heater VENT CAULK on roof (black) is ACM

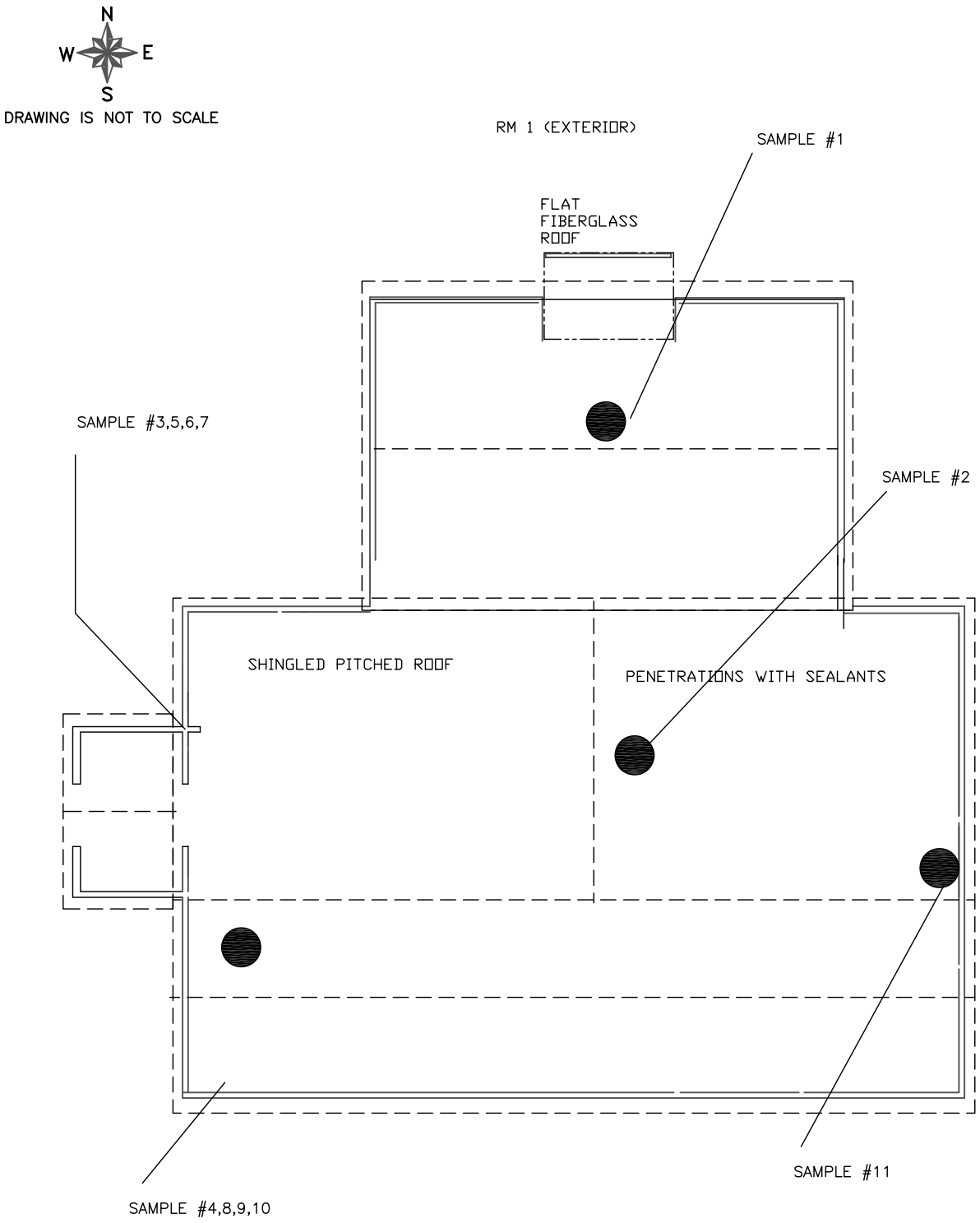
MAIN FLOOR PLAN

LEGEND 1303044
08-15-13

633 CRAZY HORSE ST
FORMER HOUSING AUTHORITY BUILDING
LOWER BRULE, SOUTH DAKOTA

Prepared By:
LEGEND TECHNICAL SERVICES, INC.
88 Empire Drive
St. Paul, MN 55103

DRAWING #1



ROOF TOP ASBESTOS BULK SAMPLE LOCATIONS

LEGEND

BULK SAMPLE LOCATIONS ON ROOF. NOTE: ONLY SAMPLE 2 CAULK CONTAINED ASBESTOS

ROOF PLAN

LEGEND 1303044
08-15-13

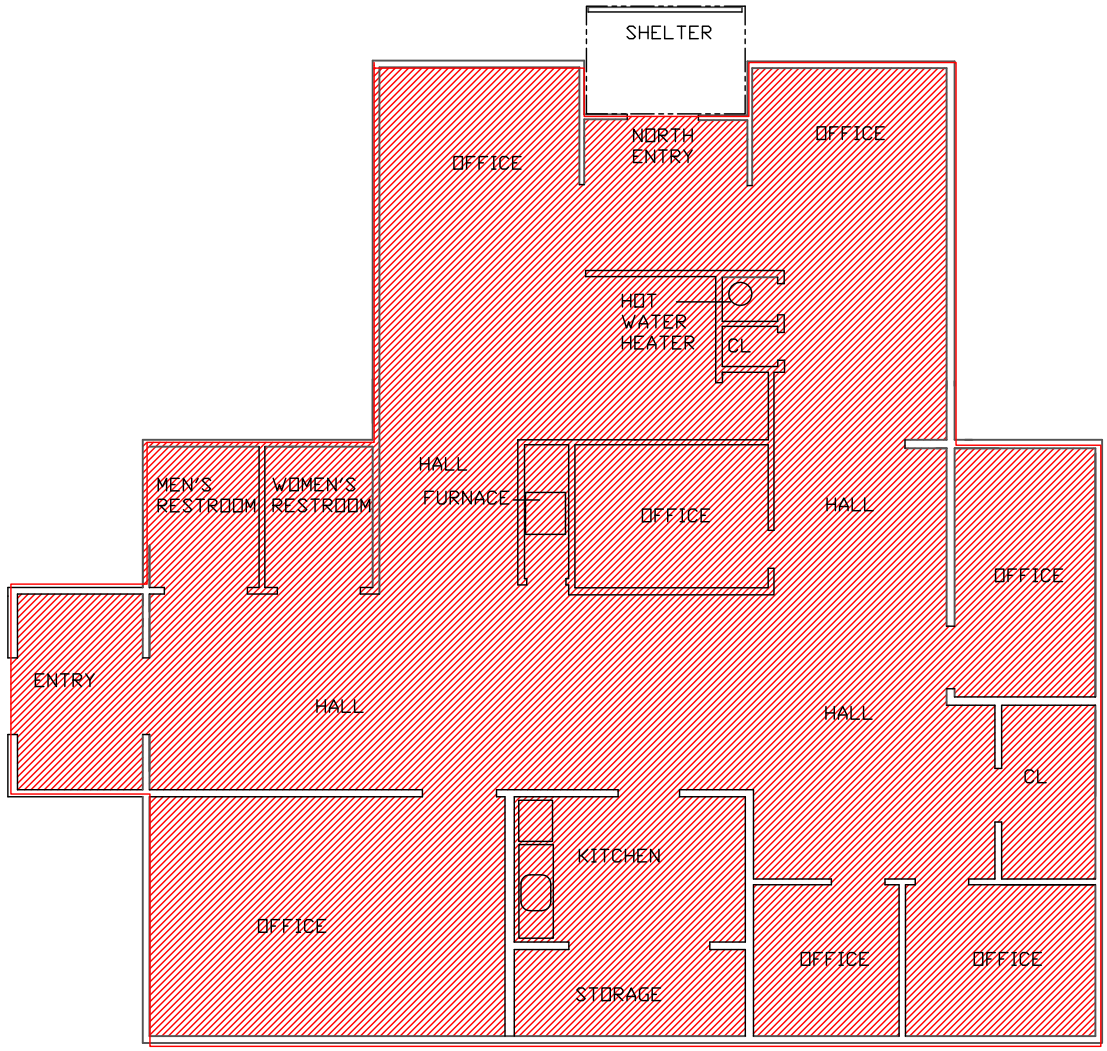
633 CRAZY HORSE ST
FORMER HOUSING AUTHORITY BUILDING
LOWER BRULE, SOUTH DAKOTA

Prepared By:
LEGEND TECHNICAL SERVICES, INC.
88 Empire Drive
St. Paul, MN 55103

DRAWING
#2

N
W E
S

DRAWING IS NOT TO SCALE



ASBESTOS CONTAINING TEXTURED CEILING SPRAY THROUGHOUT BUILDING

MAIN FLOOR PLAN

LEGEND

1-SAMPLE LOCATIONS

ASBESTOS CONTAINING MATERIALS

FLOOR TILE (under carpet and floor leveler) throughout building (except halls) is ACM

CEILING TEXTURE throughout building is ACM

Hot water heater VENT CAULK on roof (black) is ACM

LEGEND 1303044
08-15-13

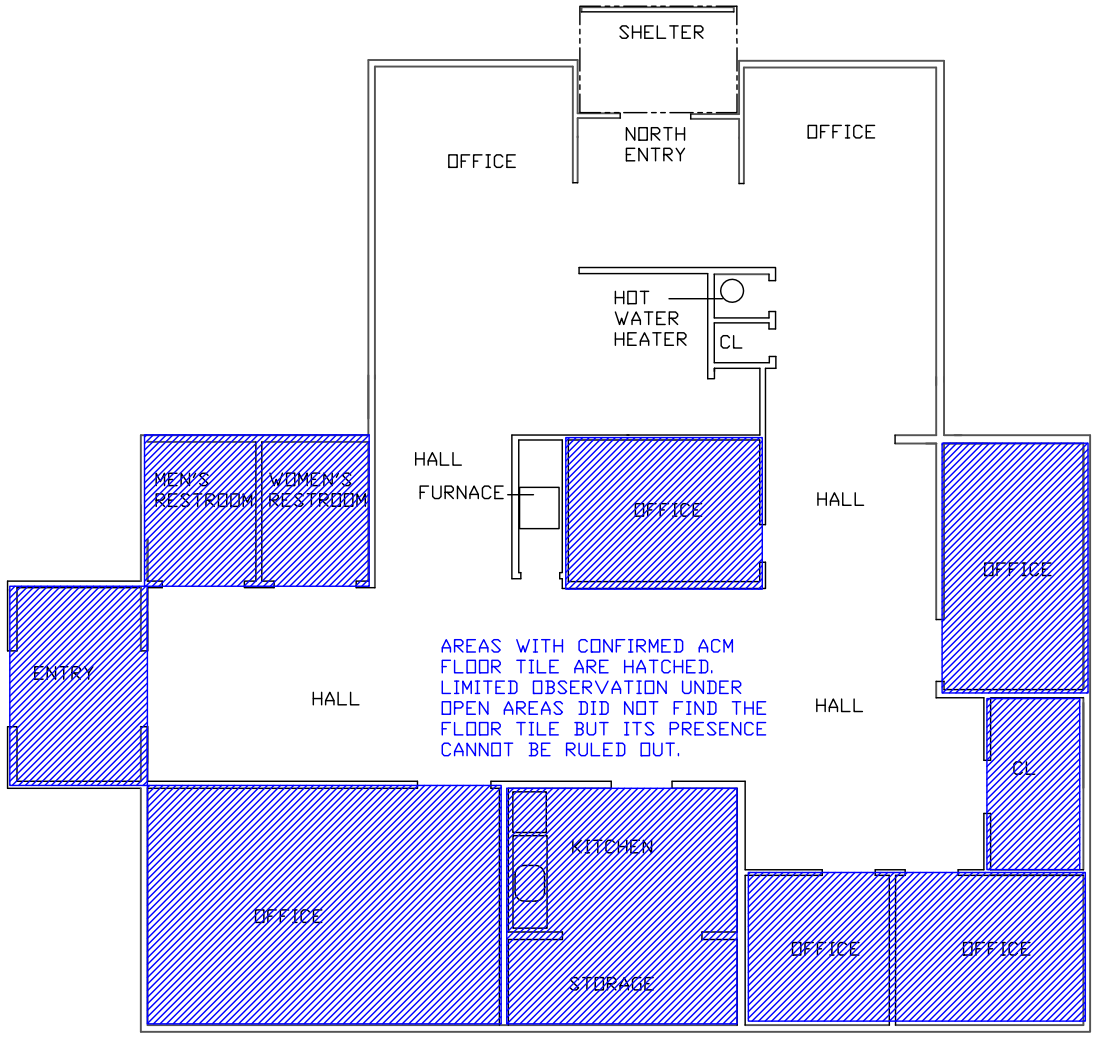
633 CRAZY HORSE ST
FORMER HOUSING AUTHORITY BUILDING
LOWER BRULE, SOUTH DAKOTA

Prepared By:
LEGEND TECHNICAL SERVICES, INC.
88 Empire Drive
St. Paul, MN 55103

DRAWING #3

N
W E
S

DRAWING IS NOT TO SCALE



ASBESTOS VINYL FLOOR TILE UNDER CONCRETE LEVELING COMPOUND IN HATCHED AREAS

LEGEND

1-SAMPLE LOCATIONS

ASBESTOS CONTAINING MATERIALS

FLOOR TILE (under carpet and floor leveler) throughout building (except halls) is ACM

CEILING TEXTURE throughout building is ACM

Hot water heater VENT CAULK on roof (black) is ACM

MAIN FLOOR PLAN

LEGEND 1303044
08-15-13

633 CRAZY HORSE ST
FORMER HOUSING AUTHORITY BUILDING
LOWER BRULE, SOUTH DAKOTA

Prepared By:
LEGEND TECHNICAL SERVICES, INC.
88 Empire Drive
St. Paul, MN 55103

DRAWING #4

APPENDIX B

LEAD DATA

XRF LEAD DATA
FLOOR PLAN KEYED TO XRF LEAD DATA
TABLE #3 LEAD SAMPLE ANALYSIS DATA

LEAD PAINT INSPECTION REPORT

REPORT NUMBER: 1303044

INSPECTION FOR: Lower Brule Sioux Tribe
Environmental Protection Office
187 Oyate Circle
Lower Brule, SD 57548

PERFORMED AT: Lower Brule Agency
Former Housing Authority Building
633 Crazy Horse Street
Lower Brule, SD 57548

INSPECTION DATE: 8/14/13

INSTRUMENT TYPE: R M D
MODEL LPA-1
XRF TYPE ANALYZER
Serial Number: 1346

ACTION LEVEL: 1.0 mg/cm^2

OPERATOR LICENSE: T8-R-16121-2

LEGEND TECHNICAL SERVICES, INC.
88 Empire Drive
St. Paul, MN 55103
(651) 642-1150

SIGNED: Cheryl Sykora Date: August 28, 2013

Cheryl Sykora,CIH,CSP,CHMM
Certified Risk Assessor
No. T8-R-16121-2

08141415

SEQUENTIAL REPORT OF LEAD PAINT INSPECTION FOR:

Inspection Date: 08/14/13
Report Date: 8/16/2013
Abatement Level: 1.1
Report No. S#01346 - 08/14/13 14:15
Total Readings: 60
Job Started: 08/14/13 14:15
Job Finished: 08/14/13 15:32

Read No.	Rm	Room Name	Wall	Structure	Location	Member	Paint Cond	Substrate	Paint Color	Lead (mg/cm²)	Mode
1		CALIBRATION								0.8	QM
2		CALIBRATION								0.8	QM
3		CALIBRATION								0.7	QM
4	001	Exterior	A	Wall	U Ctr		I	N/A	N/A	-0.1	QM
5	001	Exterior	D	Fascia			P	Wood	White	0.2	QM
6	001	Exterior	B	Fascia			P	Wood	White	-0.2	QM
7	001	Exterior	B	Wall	U Ctr		I	Wood	White	-0.4	QM
8	001	Exterior	D	Door	Ctr	Lft jamb	I	Wood	Yellow	-0.3	QM
9	001	Exterior	A	Wall	U Ctr		I	Wood	White	-0.3	QM
10	001	Exterior	A	entry soffit	Ctr		I	Wood	White	0.8	QM
11	001	Exterior	A	en. ceiling	Ctr		I	Wood	White	1.1	QM
12	001	Exterior	C	beam	Ctr		I	Wood	White	0.3	QM
13	001	Exterior	C	en. ceiling	Ctr		I	Wood	White	0.7	QM
14	001	Exterior	A	entry soffit	Ctr		I	Wood	White	0.6	QM
15		CALIBRATION								0.7	QM
16		CALIBRATION								0.7	QM
17		CALIBRATION								0.8	QM
18	001	Exterior	B	Wall	U Ctr		I	Wood	White	-0.6	QM
19	001	Exterior	B	Soffit			I	Wood	White	0.3	QM
20	001	Exterior	B	Fascia			P	Wood	White	2.4	QM
21	001	Exterior	B	Fascia			P	Wood	White	0.1	QM
22	001	Exterior	B	Fascia			P	Wood	White	1.7	QM
23	001	Exterior	A	Fascia			P	Wood	White	-0.1	QM
24	001	Exterior	A	Fascia			P	Wood	White	0.0	QM
25	001	Exterior	B	Fascia			P	Wood	White	0.8	QM
26	001	Exterior	B	Fascia			P	Wood	White	0.2	QM
27	001	Exterior	B	Soffit			I	Wood	White	0.1	QM
28	001	Exterior	A	downspout	Ctr		F	Metal	White	-0.2	QM
29	001	Exterior	A	Soffit			I	Wood	White	-0.2	QM
30	001	Exterior	B	Wall	U Ctr		I	Wood	White	-0.3	QM
31	001	Exterior	B	Soffit			I	Wood	White	-0.1	QM
32	001	Exterior	B	Fascia			I	Wood	White	-0.3	QM
33	001	Exterior	B	Window	Ctr	Lft casing	I	Wood	White	0.1	QM
34	001	Exterior	B	Window	Ctr	Rgt casing	P	Wood	Cream	-0.1	QM
35	001	Exterior	C	Fascia			P	Wood	White	0.1	QM
36	001	Exterior	C	Soffit			I	Wood	White	-0.3	QM
37	001	Exterior	C	Fascia			I	Wood	White	0.2	QM
38	002	East Entry	A	Chair rail	Ctr		I	Drywall	White	-0.2	QM
39	002	East Entry	C	Wall	U Ctr		I	Drywall	White	0.0	QM
40	002	East Entry	C	Ceiling			I	Drywall	White	-0.1	QM
41		CALIBRATION								0.8	QM
42	003	Lunch	B	Wall	U Ctr		I	Drywall	White	-0.2	QM
43	003	Lunch	A	Wall	U Ctr		I	Drywall	White	-0.2	QM
44	004	East Hall	C	Wall	U Ctr		I	Drywall	White	-0.2	QM
45	004	East Hall	C	Ceiling			I	Drywall	White	0.1	QM
46	005	West Hall	C	beam	Ctr		I	Drywall	White	0.1	QM
47	006	North Lobby	A	Door	Ctr	U Ctr	I	Metal	White	-0.1	QM
48	007	Hot Water	C	Wall	U Ctr		I	Drywall	White	0.1	QM
49	008	West Hall	C	beam	Ctr		I	Wood	White	0.0	QM
50	008	West Hall	A	Wall	U Ctr		I	Drywall	White	0.1	QM
51	009	SW Office	C	Wall	U Ctr		I	Drywall	White	-0.2	QM
52	009	SW Office	A	Chair rail	Ctr		I	Drywall	White	0.0	QM

53	009	SW Office	B	Ceiling			I	Drywall	White	-0.3	QM
54	005	Center Hall	A	Window	Ctr	Lft casing	I	Wood	Brown	0.4	QM
55	010	Lunch Rm	A	Chair rail	Ctr		I	Drywall	White	0.0	QM
56	010	Lunch Rm		Cabinet Door	Ctr		I	Wood	Tan	-0.1	QM
57	011	N/S Hall	C	coat hang	Ctr		I	Wood	Tan	0.0	QM
58	005	Hallway	A	Door	Ctr	U Ctr	I	Wood	Tan	0.0	QM
59	005	Hallway	C	Window	Ctr	Rgt casing	I	Wood	Tan	0.0	QM
60		CALIBRATION								1.1	QM

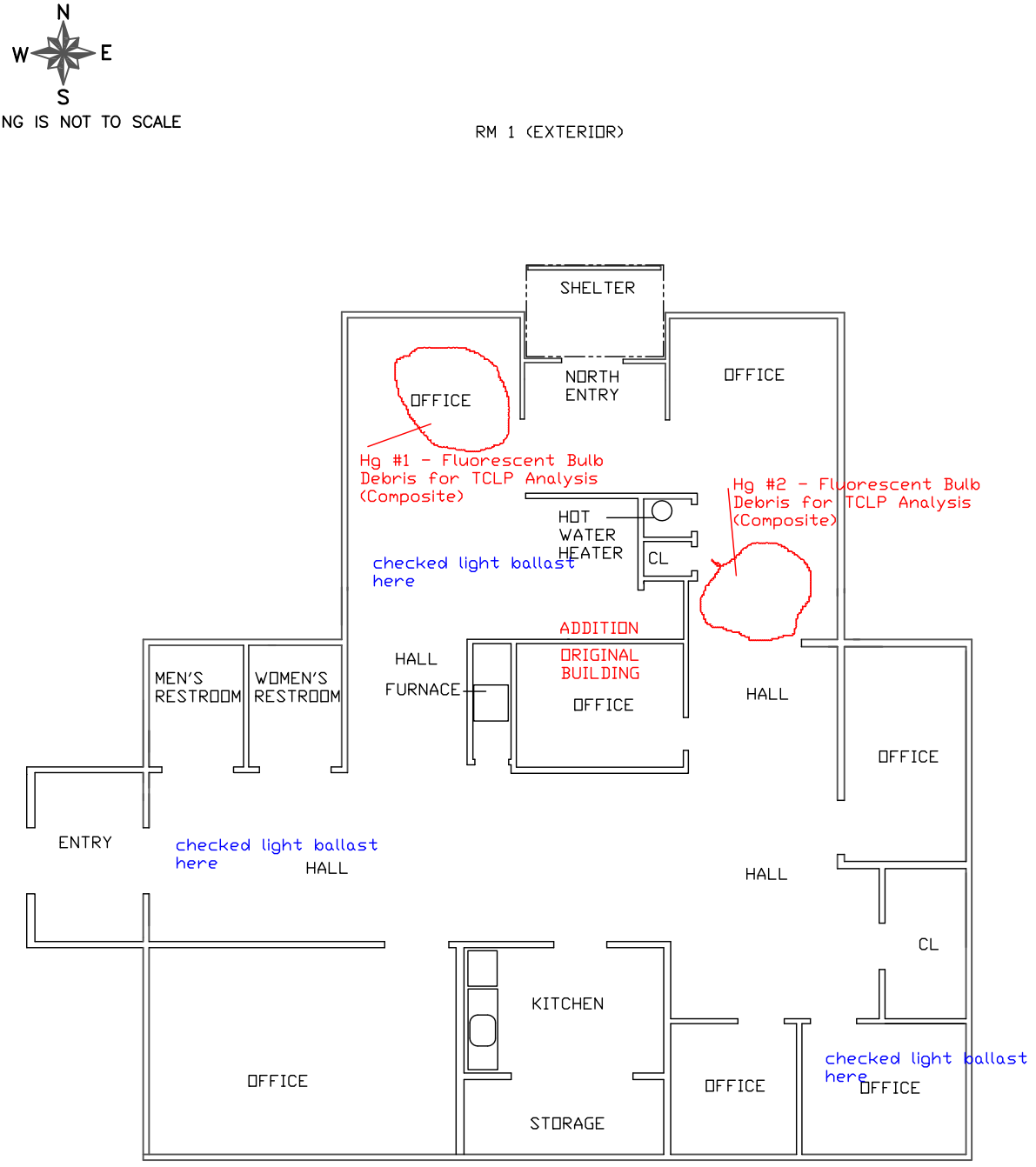
---- End of Readings ----

APPENDIX C – REGULATED MATERIALS

TABLE #4 – MERCURY SAMPLE LABORATORY DATA
DRAWING #6 – REGULATED MATERIALS SAMPLING/OBSERVATION KEY DRAWING

LEGEND TECHNICAL SERVICES, INC.
LOWER BRULE AGENCY FORMER HOUSING BUILDING, 633 CRAZY HORSE ST, LOWER BRULE, SD
TABLE #4
FLUORESCENT TUBE DEBRIS ANALYSIS

Field ID	Laboratory ID	Description	Collection Date	Analysis Date	Method	TCLP Mercury Content	Criteria	Within Regulatory Limits
Hg Bulk Debris - 1	1304065-03	Fluorescent Bulb Debris on Floor Mixed with Other Debris (See floor plan for sample location)	8/15/13 9am	8/27/2013	EPA 1311/7470A	0.003 mg/L	40 CFR Part 261 - 0.009 mg per liter	yes
Hg Bulk Debris - 2	1304065-04	Fluorescent Bulb Debris on Floor Mixed with Other Debris (See floor plan for sample location)	8/15/13 9am	8/27/2013	EPA 1311/7470A	0.013 mg/L	40 CFR Part 261 - 0.009 mg per liter	no



REGULATED MATERIALS
SAMPLING/OBSERVATIONS

MAIN FLOOR PLAN

LEGEND

MERCURY DEBRIS SAMPLING AND MISCELLANEOUS INFORMATION

LEGEND 1303044
08-15-13

633 CRAZY HORSE ST
FORMER HOUSING AUTHORITY BUILDING
LOWER BRULE, SOUTH DAKOTA

Prepared By:
LEGEND TECHNICAL SERVICES, INC.
88 Empire Drive
St. Paul, MN 55103

DRAWING #6

APPENDIX D

PHOTOGRAPHS

DRAWING WITH KEYED PHOTOGRAPHS
NOTABLE PHOTOGRAPHS OF BUILDING CONDITIONS

Prepared By: LEGEND TECHNICAL SERVICES, INC. 88 Empire Drive St. Paul, MN 55103	633 CRAZY HORSE ST FORMER HOUSING AUTHORITY BUILDING LOWER BRULE, SOUTH DAKOTA	LEGEND 1303044 08-29-13	PHOTOGRAPHS OF SOME KEY AREAS – DRAWING #7

LOWER BRULE AGENCY FORMER HOUSING AUTHORITY BLDG - AUGUST, 2013

Photo 1 - West Side of the Bldg and an Entry Point

Photo 2 - West Side of the Bldg Showing AC Compressor Slated to be Moved and North Section

Photo 3 - North side of the Building and Suspect Front Entry

Photo 4 - Another view of Photo 3 Area

Photo 5 - East Side of the Building

Photo 6 - South Side of the Building

Photo 7 - Open Air Entry is Fiberglass and Roof is Fiberglass

Photo 8 - Building is Asphalt Shingled with Multiple Layers

Photo 9 - Roof Showing Some of the Mechanical Penetrations

Photo 10 - Penetrations with black Sealant that is ACM

Photo 11 - Window Blanking Sealant

Photo 12 - Another View of Window Blanking

Photo 13 - Sealant Between the South and North Building Sections. Roof Fascia and Trim Boards Are Painted

Photo 14 - Seam Sealant Another view

Photo 15 - Attic Area. A Layer of Fiberglass Bat Insulation is All That is Present

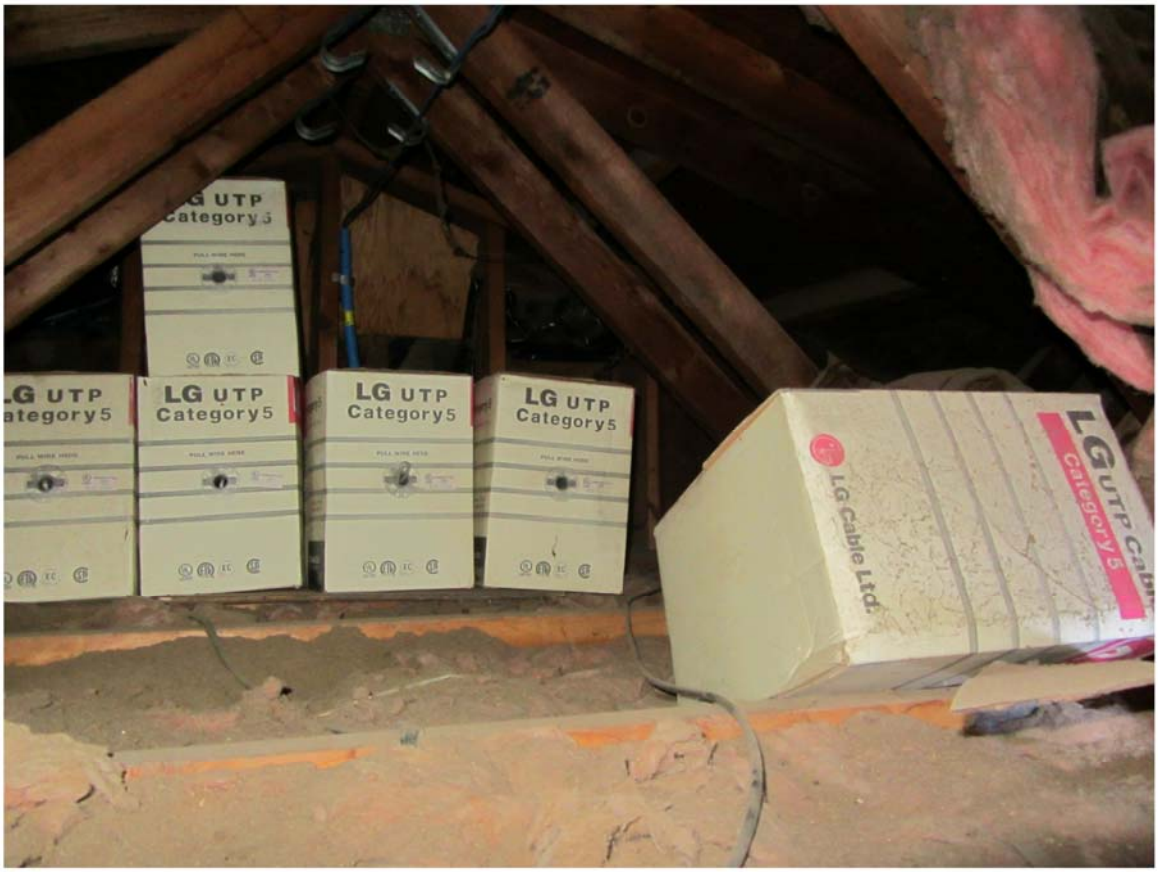


Photo 16 - Boxes Being Stored in Attic. Forgotten Files?

Photo 17 - Interior of the Building General View

Photo 18 - Hot Water Heater And Some Mechanical Piping Included Mudded Fittings

Photo 19 - Southeast Office Area

Photo 20 - Looking North Into North Building Section

Photo 21 - View of the Building Looking From the South to the North

Photo 22 - View of the Building Looking From the West to the East on the South Side

Photo 23 - Ceiling Texture is Throughout the Building. This Material is ACM

Photo 24 - Flooring System is slab on Grade, Vinyl Floor tile, Thick Leveling compound And Carpet or Sheet Vinyl in Most Areas. Bottom Most Vinyl Floor tile Seemed to only be In Restrroms, and Office in the Main Section of the Building.

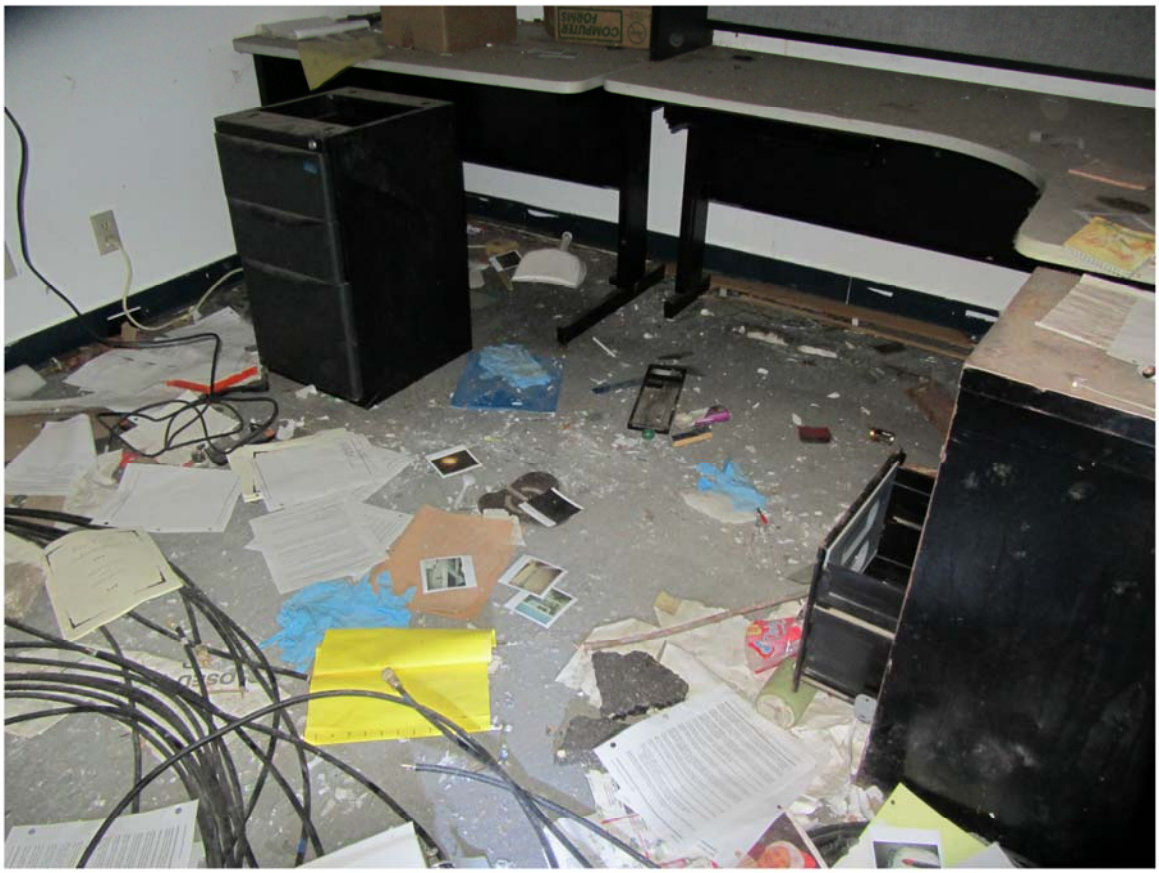


Photo 25 - Debris is Intermixed with Fluorescent Bulb Debris

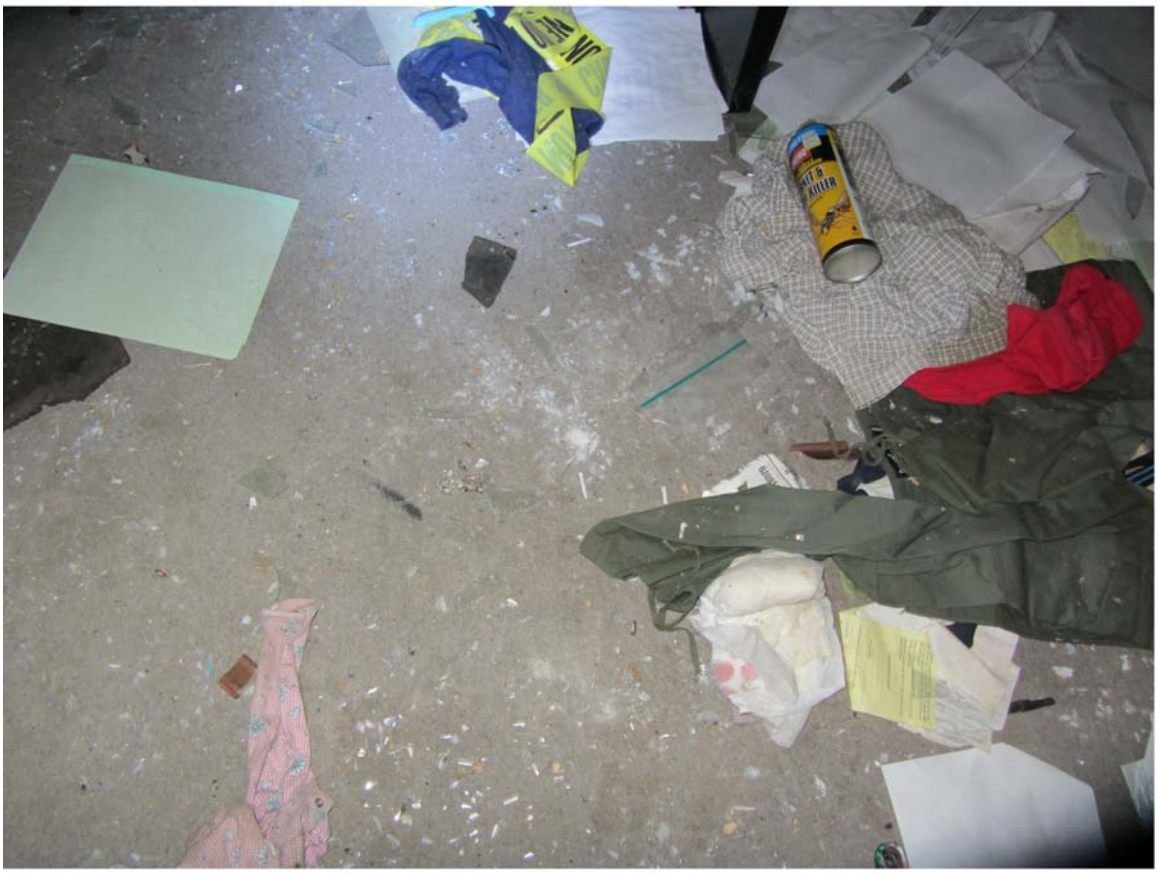


Photo 26 - Fluorescent Bulb Debris

Photo 27 - Fluorescent Light Ballasts

Photo 28 - Close Up of Ballast Showing "No PCBs" Label

Photo 29 - Lunch Room Area Still has A Few Cleaning Chemicals

Photo 30 - Close up of Sink Area

Photo 31 - Building Forced Air Furnace

Photo 32 - Underfloor Supply Duct Work

Photo 33 - Interior of a Door Exposed. No Suspect ACM

Photo 34 - Interior of the Most Common Door in the Building

APPENDIX E

LABORATORY GENERATED DATA REPORTS

LEGEND
Technical Services, Inc.
www.legend-group.com

88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

August 27, 2013

Ms. Patti Roettger
Legend Technical Services
88 Empire Drive
St. Paul, MN 55103

Work Order Number: 1304065
RE: Legend-IH

Enclosed are the results of analyses for samples received by the laboratory on 08/19/13. If you have any questions concerning this report, please feel free to contact me.

Results are not blank corrected unless noted within the report. Additionally, all QC results meet requirements unless noted.

All samples will be retained by Legend Technical Services, Inc., unless consumed in the analysis, at ambient conditions for 30 days from the date of this report and then discarded unless other arrangements are made. Dust wipe and air samples are consumed during analysis. All samples were received in acceptable condition unless otherwise noted in the case narrative.

AIHA-LAP, LLC. Accreditation #101095

Prepared by,
LEGEND TECHNICAL SERVICES, INC

Bach Pham
Client Manager II
bpham@legend-group.com

Dan Brezina
Chemist III
dbrezina@legend-group.com

LEGEND Technical Services, Inc.
www.legend-group.com

88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

Legend Technical Services	Project:	Legend-IH	
88 Empire Drive	Project Number:	1303044	Work Order #: 1304065
St. Paul, MN 55103	Project Manager:	Ms. Patti Roettger	Date Reported: 08/27/13

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date/Time Sampled	Date/Time Received
1	1304065-01	Paint	08/14/13 15:00	08/19/13 09:35
2	1304065-02	Soil	08/15/13 09:00	08/19/13 09:35
3	1304065-03	Other	08/15/13 09:00	08/19/13 09:35
4	1304065-04	Other	08/15/13 09:00	08/19/13 09:35

Case Narrative:

AIHA/ELLAP Accreditation #101095 does not apply to the TCLP mercury analysis.

MDH (NELAP) Accreditation #027-123-295 applies to the TCLP mercury analysis.

LEGEND Technical Services, Inc.
www.legend-group.com

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St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

Legend Technical Services	Project:	Legend-IH	
88 Empire Drive	Project Number:	1303044	Work Order #: 1304065
St. Paul, MN 55103	Project Manager:	Ms. Patti Roettger	Date Reported: 08/27/13

TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	Unit	Batch	Prepared	Analyzed	Method	Notes
1 (1304065-01) Paint								
Lead	**23000**	22	mg/kg	B3H2013	08/20/13	08/20/13	EPA 6010C	
2 (1304065-02) Soil								
Lead	**19**	5.0	mg/kg	B3H2702	08/27/13	08/27/13	EPA 6010C	

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Fax: 651-642-1239

Legend Technical Services	Project:	Legend-IH	
88 Empire Drive	Project Number:	1303044	Work Order #: 1304065
St. Paul, MN 55103	Project Manager:	Ms. Patti Roettger	Date Reported: 08/27/13

TCLP METALS
Legend Technical Services, Inc.

Analyte	Result	RL	Unit	Batch	Prepared	Analyzed	Method	Notes
3 (1304065-03) Other								
Mercury	**0.0030**	0.0010	mg/L	B3H2701	08/27/13	08/27/13	EPA 1311/7470A	
4 (1304065-04) Other								
Mercury	**0.013**	0.0010	mg/L	B3H2701	08/27/13	08/27/13	EPA 1311/7470A	

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Fax: 651-642-1239

Legend Technical Services	Project:	Legend-IH	
88 Empire Drive	Project Number:	1303044	Work Order #: 1304065
St. Paul, MN 55103	Project Manager:	Ms. Patti Roettger	Date Reported: 08/27/13

TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	Unit	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B3H2013 - EPA 3050B										
Blank (B3H2013-BLK1)				Prepared & Analyzed: 08/20/13						
Lead	<25	25	mg/kg							
Blank (B3H2013-BLK2)				Prepared & Analyzed: 08/20/13						
Lead	<25	25	mg/kg							
LCS (B3H2013-BS1)				Prepared & Analyzed: 08/20/13						
Lead	4930	36	mg/kg	4990		98.7	80-120			
LCS Dup (B3H2013-BSD1)				Prepared & Analyzed: 08/20/13						
Lead	5010	37	mg/kg	4990		100	80-120	1.77	20	
Matrix Spike (B3H2013-MS1)		**Source: 1303978-01**		Prepared & Analyzed: 08/20/13						
Lead	12400	23	mg/kg	2290	9000	149	75-125			M1
Matrix Spike Dup (B3H2013-MSD1)		**Source: 1303978-01**		Prepared & Analyzed: 08/20/13						
Lead	12100	23	mg/kg	2290	9000	135	75-125	2.70	20	M1
Batch B3H2702 - EPA 3050B, dried @ 105 °C										
Blank (B3H2702-BLK1)				Prepared & Analyzed: 08/27/13						
Lead	<5.0	5.0	mg/kg							
Blank (B3H2702-BLK2)				Prepared & Analyzed: 08/27/13						
Lead	<5.0	5.0	mg/kg							
LCS (B3H2702-BS1)				Prepared & Analyzed: 08/27/13						
Lead	515	5.0	mg/kg	488		105	80-120			
LCS Dup (B3H2702-BSD1)				Prepared & Analyzed: 08/27/13						
Lead	530	5.0	mg/kg	503		105	80-120	2.90	20	
Matrix Spike (B3H2702-MS1)		**Source: 1304175-09**		Prepared & Analyzed: 08/27/13						
Lead	481	5.0	mg/kg	483	27.3	93.9	75-125			
Matrix Spike Dup (B3H2702-MSD1)		**Source: 1304175-09**		Prepared & Analyzed: 08/27/13						
Lead	495	5.0	mg/kg	492	27.3	95.1	75-125	3.00	20	

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Legend Technical Services	Project:	Legend-IH	
88 Empire Drive	Project Number:	1303044	Work Order #: 1304065
St. Paul, MN 55103	Project Manager:	Ms. Patti Roettger	Date Reported: 08/27/13

TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	Unit	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B3H2702 - EPA 3050B, dried @ 105 °C										
Reference (B3H2702-SRM1)				Prepared & Analyzed: 08/27/13						
Lead	185	9.8	mg/kg	227		81.3	72.5-127.3			

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Legend Technical Services	Project:	Legend-IH	
88 Empire Drive	Project Number:	1303044	Work Order #: 1304065
St. Paul, MN 55103	Project Manager:	Ms. Patti Roettger	Date Reported: 08/27/13

TCLP METALS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	Unit	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B3H2701 - EPA 245.1/7470A Digestion										
Blank (B3H2701-BLK1)				Prepared & Analyzed: 08/27/13						
Mercury	<0.0010	0.0010	mg/L							
LCS (B3H2701-BS1)				Prepared & Analyzed: 08/27/13						
Mercury	0.0104	0.0010	mg/L	0.0100		104	80-120			
LCS Dup (B3H2701-BSD1)				Prepared & Analyzed: 08/27/13						
Mercury	0.0104	0.0010	mg/L	0.0100		104	80-120	0.00	20	
Matrix Spike (B3H2701-MS1)		**Source: 1304065-03**		Prepared & Analyzed: 08/27/13						
Mercury	0.0133	0.0010	mg/L	0.0100	0.00300	103	75-125			
Matrix Spike Dup (B3H2701-MSD1)		**Source: 1304065-03**		Prepared & Analyzed: 08/27/13						
Mercury	0.0132	0.0010	mg/L	0.0100	0.00300	102	75-125	0.377	20	

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Legend Technical Services	Project:	Legend-IH	
88 Empire Drive	Project Number:	1303044	Work Order #: 1304065
St. Paul, MN 55103	Project Manager:	Ms. Patti Roettger	Date Reported: 08/27/13

Notes and Definitions

M1	Matrix spike recovery was high, the associated blank spike recovery was acceptable.
<	Less than value listed
dry	Sample results reported on a dry weight basis
NA	Not applicable. The %RPD is not calculated from values less than the reporting limit.
RL	Reporting Limit
RPD	Relative Percent Difference
LCS	Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
MS	Matrix Spike = Laboratory Fortified Matrix (LFM)

88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
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Legend Technical Services	Project:	Legend-IH		
88 Empire Drive	Project Number:	1303044	Work Order #:	1304065
St. Paul, MN 55103	Project Manager:	Ms. Patti Roettger	Date Reported:	08/27/13

Page ___ of ___

LEGEND TECHNICAL SERVICES, INC.

88 Empire Drive, St. Paul, MN 55103 - Telephone: 651-642-1150, Fax: 651-642-1239

CHAIN-OF-CUSTODY RECORD

1304065

Client Name: Legend St. Paul
Address: IH
Attn: Patti Roettger
Phone:
Project Name:

Bill To:
Address:
PO #:
Fax:
Project #:

LEGEND Project #: 1303044

Turnaround Time: ☐ Normal ☒ RUSH
Requested Due Date: 8-26-13

Condition Received:
☐ Received at ____ °C
☐ Received on ice
☒ No temp. blank
☐ Received on ice pack
☐ Received on melt water
☒ Received ambient
☐ Acceptable (IH/ISO only)
☐ Custody Seals

Analysis

Item No.	Field ID	Sample Description	Grab	Comp.	Collection Date	Collection Time	Sample Matrix	Lab ID No.	Number of Containers	Lead in Paint	Lead in Soil	Hg
1	1	PC-1			8-14-13	3pm		01 A		X		
2	2	Pb Soil #1			8-15-13	9am		02			X	
3	3	Hg bulk debris #1			↓	↓		03				X
4	4	Hg debris #2			↓	↓		04 ↓				X
5												
6												
7												
8												
9												
10												

Sample Collector (please print):	Item No.	Relinquished By:	Date:	Time:	Accepted By:	Date:	Time:
Cheryl Sykora		Patti Roettger	8-19-13				
Comments:	**Item No.**	**Relinquished By:**	**Date:**	**Time:**	**Received By Lab:**	**Date:**	**Time:**
					[signature] Roettger	8/19/13	9:35

PLEASE REVIEW TERMS AND CONDITIONS ON BACK BEFORE SIGNING

White Copy - Original Accompanies Shipment to Lab **Yellow Copy** - Lab **Pink Copy** - Customer or Field Copy

Form LAB-268 (09/07)

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

APPENDIX F

CERTIFICATIONS/ACCREDITATIONS

United States Department of Commerce
National Institute of Standards and Technology

NVLAP®

Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 102081-0

Legend Technical Services, Inc.

St. Paul, MN

is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:

BULK ASBESTOS FIBER ANALYSIS

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).

2013-04-01 through 2014-03-31

Effective dates

DEPARTMENT OF COMMERCE ★ UNITED STATES OF AMERICA ★

For the National Institute of Standards and Technology

NVLAP-01C (REV. 2009-01-28)

National Voluntary Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

Legend Technical Services, Inc.
88 Empire Drive
St. Paul, MN 55103
Ms. Cheryl Sykora
Phone: 651-221-4085 Fax: 651-642-1239
E-Mail: CSykora@legend-group.com
URL: http://www.legend-group.com

BULK ASBESTOS FIBER ANALYSIS (PLM) **NVLAP LAB CODE 102081-0**

NVLAP Code	*Designation / Description*
18/A01	EPA 600/M4-82-020: Interim Method for the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

2013-04-01 through 2014-03-31

Effective dates

For the National Institute of Standards and Technology

AIHA Laboratory Accreditation Programs, LLC

acknowledges that

LEGEND Technical Services, Inc.

88 Empire Drive, St. Paul, MN 55103

Laboratory ID: 101095

along with all premises from which key activities are performed, as listed above, has fulfilled the requirements of the AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC accreditation to the ISO/IEC 17025:2005 international standard, *General Requirements for the Competence of Testing and Calibration Laboratories in t*he following:

LABORATORY ACCREDITATION PROGRAMS

✓	**INDUSTRIAL HYGIENE**	Accreditation Expires: 07/01/2015
✓	**ENVIRONMENTAL LEAD**	Accreditation Expires: 07/01/2015
☐	**ENVIRONMENTAL MICROBIOLOGY**	Accreditation Expires:
☐	**FOOD**	Accreditation Expires:
☐	**UNIQUE SCOPES**	Accreditation Expires:

Specific Field(s) of Testing (FoT)/Method(s) within each Accreditation Program for which the above named laboratory maintains accreditation is outlined on the attached **Scope of Accreditation**. Continued accreditation is contingent upon successful on-going compliance with ISO/IEC 17025:2005 and AIHA-LAP, LLC requirements. This certificate is not valid without the attached **Scope of Accreditation**. Please review the AIHA-LAP, LLC website (www.aihaaccreditedlabs.org) for the most current Scope.

Larry S. Pierce
Chairperson, Analytical Accreditation Board

Cheryl O. Morton
Managing Director, AIHA Laboratory Accreditation Programs, LLC

Revision 13: 03/12/2013

Date Issued: 08/30/2013

AIHA Laboratory Accreditation Programs, LLC
SCOPE OF ACCREDITATION

LEGEND Technical Services, Inc.
88 Empire Drive, St. Paul, MN 55103

Laboratory ID: **101095**
Issue Date: 08/30/2013

The laboratory is approved for those specific field(s) of testing/methods listed in the table below. Clients are urged to verify the laboratory's current accreditation status for the particular field(s) of testing/Methods, since these can change due to proficiency status, suspension and/or withdrawal of accreditation.

Industrial Hygiene Laboratory Accreditation Program (IHLAP)

Initial Accreditation Date: 03/01/1998

IHLAP Scope Category	Field of Testing (FoT)	Technology sub-type/ Detector	Published Reference Method/Title of In-house Method	Method Description or Analyte (*for internal methods only*)
Chromatography Core	Gas Chromatography	GC/FID	NIOSH 1300	
			NIOSH 1501	
	GC/MS		EPA TO-15	
	Gas Chromatography (Diffusive Samplers)		NIOSH 1300	
			NIOSH 1501	
			NIOSH 1614	
	Ion Chromatography (IC)		NIOSH 7903	
Spectrometry Core	Inductively-Coupled Plasma	ICP/AES	EPA SW-846 6010C	
			NIOSH 7303	
Asbestos/Fiber Microscopy Core	Phase Contrast Microscopy (PCM)		NIOSH 7400A	
Miscellaneous Core	Gravimetric		NIOSH 0500	
			NIOSH 0600	

A complete listing of currently accredited Industrial Hygiene laboratories is available on the AIHA-LAP, LLC website at: http://www.aihaaccreditedlabs.org

AIHA Laboratory Accreditation Programs, LLC
SCOPE OF ACCREDITATION

LEGEND Technical Services, Inc.
88 Empire Drive, St. Paul, MN 55103

Laboratory ID: **101095**
Issue Date: 08/30/2013

The laboratory is approved for those specific field(s) of testing/methods listed in the table below. Clients are urged to verify the laboratory's current accreditation status for the particular field(s) of testing/Methods, since these can change due to proficiency status, suspension and/or withdrawal of accreditation.

The EPA recognizes the AIHA-LAP, LLC ELLAP program as meeting the requirements of the National Lead Laboratory Accreditation Program (NLLAP) established under Title X of the Residential Lead-Based Paint Hazard Reduction Act of 1992 and includes paint, soil and dust wipe analysis. Air analysis is not included as part of the NLLAP.

Environmental Lead Laboratory Accreditation Program (ELLAP)

Initial Accreditation Date: 01/01/2002

Field of Testing (FoT)	Method	Method Description *(for internal methods only)*
Paint	EPA SW-846-3050C	
	NIOSH 7300	
Soil	EPA SW-846-3050C	
	NIOSH 7300	
Settled Dust by Wipe	EPA SW-846-3050C	
	NIOSH 7300	
Airborne Dust	EPA SW-846-3050C	
	NIOSH 7300	

A complete listing of currently accredited Environmental Lead laboratories is available on the AIHA-LAP, LLC website at: http://www.aihaaccreditedlabs.org

Minnesota Department of Health

Environmental Laboratory Accreditation Program

Issues accreditation to

State Laboratory ID: 027-123-295

Legend Technical Services, Inc.

88 Empire Drive

St Paul, MN 55103

for fields of testing listed on the laboratory's accompanying Scope of Certification in accordance with the provisions in Minnesota Laws and Rules.

Continued accreditation is contingent upon successful on-going compliance with Minnesota Statutes 144.97 to 144.98, 2003 NELAC Standard and applicable Minnesota Rules 4740.2010 to 4740.2120. The laboratory's Scope of Certification cites the specific programs, methods, analytes and matrices (i.e. fields of testing) for which MDH issues this accreditation.

This certificate is valid proof of accreditation only when associated with its accompanying Scope of Certification.

The Scope of Certification and reports of on-site inspections are on file at the Minnesota Department of Health, 601 Robert Street North, Saint Paul, Minnesota. Customers may verify the laboratory's accreditation status in Minnesota by contacting MN-ELAP at (651) 201-5200.

Effective Date: 08/27/2013

Expires: 12/31/2013

Susan R. Wyatt

Susan R. Wyatt, MN-ELAP Supervisor

Certificate Number: 582874

Environmental Laboratory Certification Program
Scope of Certification
Certified Minnesota Environmental Laboratories

THIS LISTING OF CERTIFIED FIELDS OF TESTING MUST BE ACCOMPANIED BY CERTIFICATE NUMBER: 582874

State Laboratory ID: 027-123-295 EPA Lab Code: MN00908 Expiration Date: 12/31/2013
Issue Date: 8/27/2013

Legend Technical Services, Inc.
88 Empire Drive
St Paul, MN 55103

Clean Water Program

EPA 200.7

Preparation Techniques: Digestion, hotplate or HotBlock;

Program	Method	Analyte	Matrix	Primary	SOP
CWP	EPA 200.7	Aluminum	NPW	MN	
CWP	EPA 200.7	Antimony	NPW	MN	
CWP	EPA 200.7	Arsenic	NPW	MN	
CWP	EPA 200.7	Barium	NPW	MN	
CWP	EPA 200.7	Beryllium	NPW	MN	
CWP	EPA 200.7	Boron	NPW	MN	
CWP	EPA 200.7	Cadmium	NPW	MN	
CWP	EPA 200.7	Calcium	NPW	MN	
CWP	EPA 200.7	Cobalt	NPW	MN	
CWP	EPA 200.7	Copper	NPW	MN	
CWP	EPA 200.7	Iron	NPW	MN	
CWP	EPA 200.7	Lead	NPW	MN	
CWP	EPA 200.7	Magnesium	NPW	MN	
CWP	EPA 200.7	Manganese	NPW	MN	
CWP	EPA 200.7	Molybdenum	NPW	MN	
CWP	EPA 200.7	Nickel	NPW	MN	
CWP	EPA 200.7	Potassium	NPW	MN	

Program	Method	Analyte	Matrix	Primary	SOP
CWP	EPA 200.7	Selenium	NPW	MN	
CWP	EPA 200.7	Silica-dissolved	NPW	MN	
CWP	EPA 200.7	Silver	NPW	MN	
CWP	EPA 200.7	Sodium	NPW	MN	
CWP	EPA 200.7	Thallium	NPW	MN	
CWP	EPA 200.7	Tin	NPW	MN	
CWP	EPA 200.7	Total chromium	NPW	MN	
CWP	EPA 200.7	Vanadium	NPW	MN	
CWP	EPA 200.7	Zinc	NPW	MN	

EPA 200.7

Preparation Techniques: Digestion, hotplate or HotBlock;

Program	Method	Analyte	Matrix	Primary	SOP
CWP	EPA 200.7	Total hardness as CaCO3	NPW	MN	

EPA 200.8

Preparation Techniques: Digestion, hotplate or HotBlock;

Program	Method	Analyte	Matrix	Primary	SOP
CWP	EPA 200.8	Aluminum	NPW	MN	
CWP	EPA 200.8	Antimony	NPW	MN	
CWP	EPA 200.8	Arsenic	NPW	MN	
CWP	EPA 200.8	Barium	NPW	MN	
CWP	EPA 200.8	Beryllium	NPW	MN	
CWP	EPA 200.8	Boron	NPW	MN	
CWP	EPA 200.8	Cadmium	NPW	MN	
CWP	EPA 200.8	Chromium	NPW	MN	
CWP	EPA 200.8	Cobalt	NPW	MN	
CWP	EPA 200.8	Copper	NPW	MN	
CWP	EPA 200.8	Iron	NPW	MN	
CWP	EPA 200.8	Lead	NPW	MN	
CWP	EPA 200.8	Manganese	NPW	MN	
CWP	EPA 200.8	Molybdenum	NPW	MN	
CWP	EPA 200.8	Nickel	NPW	MN	

Program	Method	Analyte	Matrix	Primary	SOP
CWP	EPA 200.8	Selenium	NPW	MN	
CWP	EPA 200.8	Silver	NPW	MN	
CWP	EPA 200.8	Strontium	NPW	MN	
CWP	EPA 200.8	Thallium	NPW	MN	
CWP	EPA 200.8	Tin	NPW	MN	
CWP	EPA 200.8	Titanium	NPW	MN	
CWP	EPA 200.8	Total chromium	NPW	MN	
CWP	EPA 200.8	Vanadium	NPW	MN	
CWP	EPA 200.8	Zinc	NPW	MN	

EPA 200.8

Preparation Techniques: Digestion, hotplate or HotBlock;

Program	Method	Analyte	Matrix	Primary	SOP
CWP	EPA 200.8	Mercury	NPW	MN	

EPA 245.1

Preparation Techniques: N/A

Program	Method	Analyte	Matrix	Primary	SOP
CWP	EPA 245.1	Mercury	NPW	MN	

EPA 300.0

Preparation Techniques: N/A

Program	Method	Analyte	Matrix	Primary	SOP
CWP	EPA 300.0	Bromide	NPW	MN	
CWP	EPA 300.0	Chloride	NPW	MN	
CWP	EPA 300.0	Fluoride	NPW	MN	
CWP	EPA 300.0	Nitrate as N	NPW	MN	
CWP	EPA 300.0	Nitrate-nitrite	NPW	MN	
CWP	EPA 300.0	Nitrite as N	NPW	MN	
CWP	EPA 300.0	Orthophosphate as P	NPW	MN	
CWP	EPA 300.0	Sulfate	NPW	MN	

EPA 608

Preparation Techniques: Extraction, separatory funnel liquid-liquid (LLE);

Program	Method	Analyte	Matrix	Primary	SOP
CWP	EPA 608	4,4'-DDD	NPW	MN	
CWP	EPA 608	4,4'-DDE	NPW	MN	
CWP	EPA 608	4,4'-DDT	NPW	MN	
CWP	EPA 608	Aldrin	NPW	MN	
CWP	EPA 608	alpha-BHC (alpha-Hexachlorocyclohexane)	NPW	MN	
CWP	EPA 608	Aroclor-1016 (PCB-1016)	NPW	MN	
CWP	EPA 608	Aroclor-1221 (PCB-1221)	NPW	MN	
CWP	EPA 608	Aroclor-1232 (PCB-1232)	NPW	MN	
CWP	EPA 608	Aroclor-1242 (PCB-1242)	NPW	MN	
CWP	EPA 608	Aroclor-1248 (PCB-1248)	NPW	MN	
CWP	EPA 608	Aroclor-1254 (PCB-1254)	NPW	MN	
CWP	EPA 608	Aroclor-1260 (PCB-1260)	NPW	MN	
CWP	EPA 608	beta-BHC (beta-Hexachlorocyclohexane)	NPW	MN	
CWP	EPA 608	Chlordane (tech.)	NPW	MN	
CWP	EPA 608	delta-BHC	NPW	MN	
CWP	EPA 608	Dieldrin	NPW	MN	
CWP	EPA 608	Endosulfan I	NPW	MN	
CWP	EPA 608	Endosulfan II	NPW	MN	
CWP	EPA 608	Endosulfan sulfate	NPW	MN	
CWP	EPA 608	Endrin	NPW	MN	
CWP	EPA 608	Endrin aldehyde	NPW	MN	
CWP	EPA 608	gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)	NPW	MN	
CWP	EPA 608	Heptachlor	NPW	MN	
CWP	EPA 608	Heptachlor epoxide	NPW	MN	
CWP	EPA 608	Toxaphene (Chlorinated camphene)	NPW	MN	

EPA 624

Preparation Techniques: Purge and trap;

Program	Method	Analyte	Matrix	Primary	SOP
CWP	EPA 624	1,1,1-Trichloroethane	NPW	MN	
CWP	EPA 624	1,1,2,2-Tetrachloroethane	NPW	MN	

Program	Method	Analyte	Matrix	Primary	SOP
CWP	EPA 624	1,1,2-Trichloroethane	NPW	MN	
CWP	EPA 624	1,1-Dichloroethane	NPW	MN	
CWP	EPA 624	1,1-Dichloroethylene	NPW	MN	
CWP	EPA 624	1,2-Dichlorobenzene	NPW	MN	
CWP	EPA 624	1,2-Dichloroethane (Ethylene dichloride)	NPW	MN	
CWP	EPA 624	1,2-Dichloropropane	NPW	MN	
CWP	EPA 624	1,3-Dichlorobenzene	NPW	MN	
CWP	EPA 624	1,4-Dichlorobenzene	NPW	MN	
CWP	EPA 624	Benzene	NPW	MN	
CWP	EPA 624	Bromodichloromethane	NPW	MN	
CWP	EPA 624	Bromoform	NPW	MN	
CWP	EPA 624	Carbon tetrachloride	NPW	MN	
CWP	EPA 624	Chlorobenzene	NPW	MN	
CWP	EPA 624	Chlorodibromomethane	NPW	MN	
CWP	EPA 624	Chloroethane (Ethyl chloride)	NPW	MN	
CWP	EPA 624	Chloroform	NPW	MN	
CWP	EPA 624	cis-1,3-Dichloropropene	NPW	MN	
CWP	EPA 624	Ethylbenzene	NPW	MN	
CWP	EPA 624	Methyl bromide (Bromomethane)	NPW	MN	
CWP	EPA 624	Methyl chloride (Chloromethane)	NPW	MN	
CWP	EPA 624	Methylene chloride (Dichloromethane)	NPW	MN	
CWP	EPA 624	Tetrachloroethylene (Perchloroethylene)	NPW	MN	
CWP	EPA 624	Toluene	NPW	MN	
CWP	EPA 624	trans-1,2-Dichloroethylene	NPW	MN	
CWP	EPA 624	trans-1,3-Dichloropropylene	NPW	MN	
CWP	EPA 624	Trichloroethene (Trichloroethylene)	NPW	MN	
CWP	EPA 624	Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	NPW	MN	
CWP	EPA 624	Vinyl chloride	NPW	MN	

EPA 625

Preparation Techniques: Extraction, separatory funnel liquid-liquid (LLE);

Program	Method	Analyte	Matrix	Primary	SOP
CWP	EPA 625	1,2,4-Trichlorobenzene	NPW	MN	
CWP	EPA 625	2,4,6-Trichlorophenol	NPW	MN	

Program	Method	Analyte	Matrix	Primary	SOP
CWP	EPA 625	2,4-Dichlorophenol	NPW	MN	
CWP	EPA 625	2,4-Dimethylphenol	NPW	MN	
CWP	EPA 625	2,4-Dinitrophenol	NPW	MN	
CWP	EPA 625	2,4-Dinitrotoluene (2,4-DNT)	NPW	MN	
CWP	EPA 625	2,6-Dinitrotoluene (2,6-DNT)	NPW	MN	
CWP	EPA 625	2-Chloronaphthalene	NPW	MN	
CWP	EPA 625	2-Chlorophenol	NPW	MN	
CWP	EPA 625	2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	NPW	MN	
CWP	EPA 625	2-Nitrophenol	NPW	MN	
CWP	EPA 625	3,3'-Dichlorobenzidine	NPW	MN	
CWP	EPA 625	4-Bromophenyl phenyl ether	NPW	MN	
CWP	EPA 625	4-Chloro-3-methylphenol	NPW	MN	
CWP	EPA 625	4-Chlorophenyl phenylether	NPW	MN	
CWP	EPA 625	4-Nitrophenol	NPW	MN	
CWP	EPA 625	Acenaphthene	NPW	MN	
CWP	EPA 625	Acenaphthylene	NPW	MN	
CWP	EPA 625	Anthracene	NPW	MN	
CWP	EPA 625	Benzidine	NPW	MN	
CWP	EPA 625	Benzo(a)anthracene	NPW	MN	
CWP	EPA 625	Benzo(a)pyrene	NPW	MN	
CWP	EPA 625	Benzo(g,h,i)perylene	NPW	MN	
CWP	EPA 625	Benzo(k)fluoranthene	NPW	MN	
CWP	EPA 625	Benzo[b]fluoranthene	NPW	MN	
CWP	EPA 625	bis(2-Chloroethoxy)methane	NPW	MN	
CWP	EPA 625	bis(2-Chloroethyl) ether	NPW	MN	
CWP	EPA 625	bis(2-Chloroisopropyl) ether	NPW	MN	
CWP	EPA 625	Butyl benzyl phthalate	NPW	MN	
CWP	EPA 625	Chrysene	NPW	MN	
CWP	EPA 625	Di(2-ethylhexyl) phthalate (bis(2-Ethylhexyl)phthalate, DEHP)	NPW	MN	
CWP	EPA 625	Di-n-butyl phthalate	NPW	MN	
CWP	EPA 625	Di-n-octyl phthalate	NPW	MN	
CWP	EPA 625	Dibenz(a,h) anthracene	NPW	MN	
CWP	EPA 625	Diethyl phthalate	NPW	MN	
CWP	EPA 625	Dimethyl phthalate	NPW	MN	
CWP	EPA 625	Fluoranthene	NPW	MN	

Program	Method	Analyte	Matrix	Primary	SOP
CWP	EPA 625	Fluorene	NPW	MN	
CWP	EPA 625	Hexachlorobenzene	NPW	MN	
CWP	EPA 625	Hexachlorobutadiene	NPW	MN	
CWP	EPA 625	Hexachlorocyclopentadiene	NPW	MN	
CWP	EPA 625	Hexachloroethane	NPW	MN	
CWP	EPA 625	Indeno(1,2,3-cd) pyrene	NPW	MN	
CWP	EPA 625	Isophorone	NPW	MN	
CWP	EPA 625	n-Nitrosodi-n-propylamine	NPW	MN	
CWP	EPA 625	n-Nitrosodimethylamine	NPW	MN	
CWP	EPA 625	n-Nitrosodiphenylamine	NPW	MN	
CWP	EPA 625	Naphthalene	NPW	MN	
CWP	EPA 625	Nitrobenzene	NPW	MN	
CWP	EPA 625	Pentachlorophenol	NPW	MN	
CWP	EPA 625	Phenanthrene	NPW	MN	
CWP	EPA 625	Phenol	NPW	MN	
CWP	EPA 625	Pyrene	NPW	MN	

SM 2320 B-97

Preparation Techniques: N/A

Program	Method	Analyte	Matrix	Primary	SOP
CWP	SM 2320 B-97	Alkalinity as CaCO3	NPW	MN	

SM 2340 B-97

Preparation Techniques: N/A

Program	Method	Analyte	Matrix	Primary	SOP
CWP	SM 2340 B-97	Total hardness as CaCO3	NPW	MN	

SM 2510 B-97

Preparation Techniques: N/A

Program	Method	Analyte	Matrix	Primary	SOP
CWP	SM 2510 B-97	Conductivity	NPW	MN	

SM 2540 B-97

Preparation Techniques: N/A

Program	Method	Analyte	Matrix	Primary	SOP
CWP	SM 2540 B-97	Residue-total	NPW	MN	

SM 2540 C-97

Preparation Techniques: N/A

Program	Method	Analyte	Matrix	Primary	SOP
CWP	SM 2540 C-97	Residue-filterable (TDS)	NPW	MN	

SM 2540 D-97

Preparation Techniques: N/A

Program	Method	Analyte	Matrix	Primary	SOP
CWP	SM 2540 D-97	Residue-nonfilterable (TSS)	NPW	MN	

SM 3500-Cr B-97

Preparation Techniques: N/A

Program	Method	Analyte	Matrix	Primary	SOP
CWP	SM 3500-Cr B-97	Chromium VI	NPW	MN	

SM 4500-H+ B-96

Preparation Techniques: N/A

Program	Method	Analyte	Matrix	Primary	SOP
CWP	SM 4500-H+ B-96	pH	NPW	MN	

SM 4500-$S2^{-}$ D-97

Preparation Techniques: N/A

Program	Method	Analyte	Matrix	Primary	SOP
CWP	SM 4500-S2^{-} D-97	Sulfide	NPW	MN	

SM 5220 D-97

Preparation Techniques: Digestion, hotplate or HotBlock;

Program	Method	Analyte	Matrix	Primary	SOP
CWP	SM 5220 D-97	Chemical oxygen demand	NPW	MN	

SM 5310 C-96

Preparation Techniques: N/A

Program	Method	Analyte	Matrix	Primary	SOP
CWP	SM 5310 C-96	Total Organic Carbon	NPW	MN	

Resource Conservation Recovery Program

EPA 1010A

Preparation Techniques: N/A

Program	Method	Analyte	Matrix	Primary	SOP
RCRP	EPA 1010A	Ignitability	SCM	MN	

EPA 600/4-81-045

Preparation Techniques: N/A

Program	Method	Analyte	Matrix	Primary	SOP
RCRP	EPA 600/4-81-045	PCBs	SCM	MN	

EPA 6010B

Preparation Techniques: Digestion, hotplate or HotBlock;

Program	Method	Analyte	Matrix	Primary	SOP
RCRP	EPA 6010B	Aluminum	NPW	MN	

Program	Method	Analyte	Matrix	Primary	SOP
RCRP	EPA 6010B	Aluminum	SCM	MN	
RCRP	EPA 6010B	Antimony	SCM	MN	
RCRP	EPA 6010B	Antimony	NPW	MN	
RCRP	EPA 6010B	Arsenic	NPW	MN	
RCRP	EPA 6010B	Arsenic	SCM	MN	
RCRP	EPA 6010B	Barium	SCM	MN	
RCRP	EPA 6010B	Barium	NPW	MN	
RCRP	EPA 6010B	Beryllium	SCM	MN	
RCRP	EPA 6010B	Beryllium	NPW	MN	
RCRP	EPA 6010B	Boron	SCM	MN	
RCRP	EPA 6010B	Boron	NPW	MN	
RCRP	EPA 6010B	Cadmium	NPW	MN	
RCRP	EPA 6010B	Cadmium	SCM	MN	
RCRP	EPA 6010B	Calcium	SCM	MN	
RCRP	EPA 6010B	Calcium	NPW	MN	
RCRP	EPA 6010B	Chromium	SCM	MN	
RCRP	EPA 6010B	Cobalt	NPW	MN	
RCRP	EPA 6010B	Cobalt	SCM	MN	
RCRP	EPA 6010B	Copper	NPW	MN	
RCRP	EPA 6010B	Copper	SCM	MN	
RCRP	EPA 6010B	Iron	SCM	MN	
RCRP	EPA 6010B	Iron	NPW	MN	
RCRP	EPA 6010B	Lead	NPW	MN	
RCRP	EPA 6010B	Lead	SCM	MN	
RCRP	EPA 6010B	Magnesium	SCM	MN	
RCRP	EPA 6010B	Magnesium	NPW	MN	
RCRP	EPA 6010B	Manganese	NPW	MN	
RCRP	EPA 6010B	Manganese	SCM	MN	
RCRP	EPA 6010B	Mercury	SCM	MN	
RCRP	EPA 6010B	Mercury	NPW	MN	
RCRP	EPA 6010B	Molybdenum	NPW	MN	
RCRP	EPA 6010B	Molybdenum	SCM	MN	
RCRP	EPA 6010B	Nickel	NPW	MN	
RCRP	EPA 6010B	Nickel	SCM	MN	
RCRP	EPA 6010B	Potassium	SCM	MN	
RCRP	EPA 6010B	Potassium	NPW	MN	

Program	Method	Analyte	Matrix	Primary	SOP
RCRP	EPA 6010B	Selenium	SCM	MN	
RCRP	EPA 6010B	Selenium	NPW	MN	
RCRP	EPA 6010B	Silica as SiO2	NPW	MN	
RCRP	EPA 6010B	Silver	NPW	MN	
RCRP	EPA 6010B	Silver	SCM	MN	
RCRP	EPA 6010B	Sodium	NPW	MN	
RCRP	EPA 6010B	Sodium	SCM	MN	
RCRP	EPA 6010B	Strontium	SCM	MN	
RCRP	EPA 6010B	Strontium	NPW	MN	
RCRP	EPA 6010B	Thallium	NPW	MN	
RCRP	EPA 6010B	Thallium	SCM	MN	
RCRP	EPA 6010B	Tin	NPW	MN	
RCRP	EPA 6010B	Tin	SCM	MN	
RCRP	EPA 6010B	Titanium	NPW	MN	
RCRP	EPA 6010B	Titanium	SCM	MN	
RCRP	EPA 6010B	Total chromium	NPW	MN	
RCRP	EPA 6010B	Vanadium	SCM	MN	
RCRP	EPA 6010B	Vanadium	NPW	MN	
RCRP	EPA 6010B	Zinc	NPW	MN	
RCRP	EPA 6010B	Zinc	SCM	MN	

EPA 6010C

Preparation Techniques: Digestion, hotplate or HotBlock;

Program	Method	Analyte	Matrix	Primary	SOP
RCRP	EPA 6010C	Aluminum	NPW	MN	
RCRP	EPA 6010C	Aluminum	SCM	MN	
RCRP	EPA 6010C	Antimony	SCM	MN	
RCRP	EPA 6010C	Antimony	NPW	MN	
RCRP	EPA 6010C	Arsenic	NPW	MN	
RCRP	EPA 6010C	Arsenic	SCM	MN	
RCRP	EPA 6010C	Barium	SCM	MN	
RCRP	EPA 6010C	Barium	NPW	MN	
RCRP	EPA 6010C	Beryllium	NPW	MN	
RCRP	EPA 6010C	Beryllium	SCM	MN	

Program	Method	Analyte	Matrix	Primary	SOP
RCRP	EPA 6010C	Boron	SCM	MN	
RCRP	EPA 6010C	Boron	NPW	MN	
RCRP	EPA 6010C	Cadmium	SCM	MN	
RCRP	EPA 6010C	Cadmium	NPW	MN	
RCRP	EPA 6010C	Calcium	NPW	MN	
RCRP	EPA 6010C	Calcium	SCM	MN	
RCRP	EPA 6010C	Chromium	SCM	MN	
RCRP	EPA 6010C	Chromium	NPW	MN	
RCRP	EPA 6010C	Cobalt	SCM	MN	
RCRP	EPA 6010C	Cobalt	NPW	MN	
RCRP	EPA 6010C	Copper	SCM	MN	
RCRP	EPA 6010C	Copper	NPW	MN	
RCRP	EPA 6010C	Iron	NPW	MN	
RCRP	EPA 6010C	Iron	SCM	MN	
RCRP	EPA 6010C	Lead	SCM	MN	
RCRP	EPA 6010C	Lead	NPW	MN	
RCRP	EPA 6010C	Magnesium	SCM	MN	
RCRP	EPA 6010C	Magnesium	NPW	MN	
RCRP	EPA 6010C	Manganese	SCM	MN	
RCRP	EPA 6010C	Manganese	NPW	MN	
RCRP	EPA 6010C	Mercury	NPW	MN	
RCRP	EPA 6010C	Mercury	SCM	MN	
RCRP	EPA 6010C	Molybdenum	SCM	MN	
RCRP	EPA 6010C	Molybdenum	NPW	MN	
RCRP	EPA 6010C	Nickel	NPW	MN	
RCRP	EPA 6010C	Nickel	SCM	MN	
RCRP	EPA 6010C	Potassium	NPW	MN	
RCRP	EPA 6010C	Potassium	SCM	MN	
RCRP	EPA 6010C	Selenium	NPW	MN	
RCRP	EPA 6010C	Selenium	SCM	MN	
RCRP	EPA 6010C	Silica as SiO2	NPW	MN	
RCRP	EPA 6010C	Silver	SCM	MN	
RCRP	EPA 6010C	Silver	NPW	MN	
RCRP	EPA 6010C	Sodium	NPW	MN	
RCRP	EPA 6010C	Sodium	SCM	MN	
RCRP	EPA 6010C	Strontium	NPW	MN	

Program	Method	Analyte	Matrix	Primary	SOP
RCRP	EPA 6010C	Strontium	SCM	MN	
RCRP	EPA 6010C	Thallium	NPW	MN	
RCRP	EPA 6010C	Thallium	SCM	MN	
RCRP	EPA 6010C	Tin	SCM	MN	
RCRP	EPA 6010C	Tin	NPW	MN	
RCRP	EPA 6010C	Titanium	SCM	MN	
RCRP	EPA 6010C	Titanium	NPW	MN	
RCRP	EPA 6010C	Vanadium	NPW	MN	
RCRP	EPA 6010C	Vanadium	SCM	MN	
RCRP	EPA 6010C	Zinc	NPW	MN	
RCRP	EPA 6010C	Zinc	SCM	MN	

EPA 6020

Preparation Techniques: Digestion, hotplate or HotBlock;

Program	Method	Analyte	Matrix	Primary	SOP
RCRP	EPA 6020	Aluminum	NPW	MN	
RCRP	EPA 6020	Antimony	NPW	MN	
RCRP	EPA 6020	Arsenic	NPW	MN	
RCRP	EPA 6020	Barium	NPW	MN	
RCRP	EPA 6020	Beryllium	NPW	MN	
RCRP	EPA 6020	Boron	NPW	MN	
RCRP	EPA 6020	Cadmium	NPW	MN	
RCRP	EPA 6020	Cobalt	NPW	MN	
RCRP	EPA 6020	Copper	NPW	MN	
RCRP	EPA 6020	Iron	NPW	MN	
RCRP	EPA 6020	Lead	NPW	MN	
RCRP	EPA 6020	Manganese	NPW	MN	
RCRP	EPA 6020	Molybdenum	NPW	MN	
RCRP	EPA 6020	Nickel	NPW	MN	
RCRP	EPA 6020	Selenium	NPW	MN	
RCRP	EPA 6020	Silver	NPW	MN	
RCRP	EPA 6020	Strontium	NPW	MN	
RCRP	EPA 6020	Thallium	NPW	MN	
RCRP	EPA 6020	Tin	NPW	MN	

Program	Method	Analyte	Matrix	Primary	SOP
RCRP	EPA 6020	Titanium	NPW	MN	
RCRP	EPA 6020	Total chromium	NPW	MN	
RCRP	EPA 6020	Vanadium	NPW	MN	
RCRP	EPA 6020	Zinc	NPW	MN	

EPA 6020A

Preparation Techniques: Digestion, hotplate or HotBlock;

Program	Method	Analyte	Matrix	Primary	SOP
RCRP	EPA 6020A	Aluminum	NPW	MN	
RCRP	EPA 6020A	Antimony	NPW	MN	
RCRP	EPA 6020A	Arsenic	NPW	MN	
RCRP	EPA 6020A	Barium	NPW	MN	
RCRP	EPA 6020A	Beryllium	NPW	MN	
RCRP	EPA 6020A	Boron	NPW	MN	
RCRP	EPA 6020A	Cadmium	NPW	MN	
RCRP	EPA 6020A	Chromium	NPW	MN	
RCRP	EPA 6020A	Cobalt	NPW	MN	
RCRP	EPA 6020A	Copper	NPW	MN	
RCRP	EPA 6020A	Iron	NPW	MN	
RCRP	EPA 6020A	Lead	NPW	MN	
RCRP	EPA 6020A	Manganese	NPW	MN	
RCRP	EPA 6020A	Molybdenum	NPW	MN	
RCRP	EPA 6020A	Nickel	NPW	MN	
RCRP	EPA 6020A	Selenium	NPW	MN	
RCRP	EPA 6020A	Silver	NPW	MN	
RCRP	EPA 6020A	Strontium	NPW	MN	
RCRP	EPA 6020A	Thallium	NPW	MN	
RCRP	EPA 6020A	Tin	NPW	MN	
RCRP	EPA 6020A	Titanium	NPW	MN	
RCRP	EPA 6020A	Vanadium	NPW	MN	
RCRP	EPA 6020A	Zinc	NPW	MN	

EPA 7470A

Preparation Techniques: N/A

Program	Method	Analyte	Matrix	Primary	SOP
RCRP	EPA 7470A	Mercury	NPW	MN	

EPA 7471A

Preparation Techniques: N/A

Program	Method	Analyte	Matrix	Primary	SOP
RCRP	EPA 7471A	Mercury	SCM	MN	

EPA 7471B

Preparation Techniques: N/A

Program	Method	Analyte	Matrix	Primary	SOP
RCRP	EPA 7471B	Mercury	SCM	MN	

EPA 8015B

Preparation Techniques: Extraction, micro;

Program	Method	Analyte	Matrix	Primary	SOP
RCRP	EPA 8015B	Ethylene glycol	SCM	MN	
RCRP	EPA 8015B	Ethylene glycol	NPW	MN	

EPA 8015D

Preparation Techniques: Extraction, micro;

Program	Method	Analyte	Matrix	Primary	SOP
RCRP	EPA 8015D	Propylene Glycol	SCM	MN	
RCRP	EPA 8015D	Propylene Glycol	NPW	MN	

EPA 8081A

Preparation Techniques: Extraction, separatory funnel liquid-liquid (LLE); Extraction, EPA 1311 TCLP, non-volatiles; Extraction, pressurized fluid (PFE);

Program	Method	Analyte	Matrix	Primary	SOP
RCRP	EPA 8081A	4,4'-DDD	SCM	MN	
RCRP	EPA 8081A	4,4'-DDD	NPW	MN	
RCRP	EPA 8081A	4,4'-DDE	NPW	MN	
RCRP	EPA 8081A	4,4'-DDE	SCM	MN	
RCRP	EPA 8081A	4,4'-DDT	NPW	MN	
RCRP	EPA 8081A	4,4'-DDT	SCM	MN	
RCRP	EPA 8081A	Aldrin	NPW	MN	
RCRP	EPA 8081A	Aldrin	SCM	MN	
RCRP	EPA 8081A	alpha-BHC (alpha-Hexachlorocyclohexane)	SCM	MN	
RCRP	EPA 8081A	alpha-BHC (alpha-Hexachlorocyclohexane)	NPW	MN	
RCRP	EPA 8081A	alpha-Chlordane	SCM	MN	
RCRP	EPA 8081A	alpha-Chlordane	NPW	MN	
RCRP	EPA 8081A	beta-BHC (beta-Hexachlorocyclohexane)	NPW	MN	
RCRP	EPA 8081A	beta-BHC (beta-Hexachlorocyclohexane)	SCM	MN	
RCRP	EPA 8081A	delta-BHC	SCM	MN	
RCRP	EPA 8081A	delta-BHC	NPW	MN	
RCRP	EPA 8081A	Dieldrin	SCM	MN	
RCRP	EPA 8081A	Dieldrin	NPW	MN	
RCRP	EPA 8081A	Endosulfan I	NPW	MN	
RCRP	EPA 8081A	Endosulfan I	SCM	MN	
RCRP	EPA 8081A	Endosulfan II	SCM	MN	
RCRP	EPA 8081A	Endosulfan II	NPW	MN	
RCRP	EPA 8081A	Endosulfan sulfate	SCM	MN	
RCRP	EPA 8081A	Endosulfan sulfate	NPW	MN	
RCRP	EPA 8081A	Endrin	NPW	MN	
RCRP	EPA 8081A	Endrin	SCM	MN	
RCRP	EPA 8081A	Endrin aldehyde	SCM	MN	
RCRP	EPA 8081A	Endrin aldehyde	NPW	MN	
RCRP	EPA 8081A	Endrin ketone	SCM	MN	
RCRP	EPA 8081A	Endrin ketone	NPW	MN	
RCRP	EPA 8081A	gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)	NPW	MN	
RCRP	EPA 8081A	gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)	SCM	MN	
RCRP	EPA 8081A	gamma-Chlordane	NPW	MN	

Program	Method	Analyte	Matrix	Primary	SOP
RCRP	EPA 8081A	gamma-Chlordane	SCM	MN	
RCRP	EPA 8081A	Heptachlor	NPW	MN	
RCRP	EPA 8081A	Heptachlor	SCM	MN	
RCRP	EPA 8081A	Heptachlor epoxide	NPW	MN	
RCRP	EPA 8081A	Heptachlor epoxide	SCM	MN	
RCRP	EPA 8081A	Methoxychlor	NPW	MN	
RCRP	EPA 8081A	Methoxychlor	SCM	MN	
RCRP	EPA 8081A	Toxaphene (Chlorinated camphene)	SCM	MN	
RCRP	EPA 8081A	Toxaphene (Chlorinated camphene)	NPW	MN	

EPA 8081B

Preparation Techniques: Extraction, separatory funnel liquid-liquid (LLE); Extraction, EPA 1311 TCLP, non-volatiles; Extraction, pressurized fluid (PFE);

Program	Method	Analyte	Matrix	Primary	SOP
RCRP	EPA 8081B	4,4'-DDD	NPW	MN	
RCRP	EPA 8081B	4,4'-DDD	SCM	MN	
RCRP	EPA 8081B	4,4'-DDE	NPW	MN	
RCRP	EPA 8081B	4,4'-DDE	SCM	MN	
RCRP	EPA 8081B	4,4'-DDT	SCM	MN	
RCRP	EPA 8081B	4,4'-DDT	NPW	MN	
RCRP	EPA 8081B	Aldrin	SCM	MN	
RCRP	EPA 8081B	Aldrin	NPW	MN	
RCRP	EPA 8081B	alpha-BHC (alpha-Hexachlorocyclohexane)	SCM	MN	
RCRP	EPA 8081B	alpha-BHC (alpha-Hexachlorocyclohexane)	NPW	MN	
RCRP	EPA 8081B	alpha-Chlordane	NPW	MN	
RCRP	EPA 8081B	alpha-Chlordane	SCM	MN	
RCRP	EPA 8081B	beta-BHC (beta-Hexachlorocyclohexane)	SCM	MN	
RCRP	EPA 8081B	beta-BHC (beta-Hexachlorocyclohexane)	NPW	MN	
RCRP	EPA 8081B	delta-BHC	NPW	MN	
RCRP	EPA 8081B	delta-BHC	SCM	MN	
RCRP	EPA 8081B	Dieldrin	SCM	MN	
RCRP	EPA 8081B	Dieldrin	NPW	MN	
RCRP	EPA 8081B	Endosulfan I	NPW	MN	
RCRP	EPA 8081B	Endosulfan I	SCM	MN	

Program	Method	Analyte	Matrix	Primary	SOP
RCRP	EPA 8081B	Endosulfan II	SCM	MN	
RCRP	EPA 8081B	Endosulfan II	NPW	MN	
RCRP	EPA 8081B	Endosulfan sulfate	SCM	MN	
RCRP	EPA 8081B	Endosulfan sulfate	NPW	MN	
RCRP	EPA 8081B	Endrin	NPW	MN	
RCRP	EPA 8081B	Endrin	SCM	MN	
RCRP	EPA 8081B	Endrin aldehyde	SCM	MN	
RCRP	EPA 8081B	Endrin aldehyde	NPW	MN	
RCRP	EPA 8081B	Endrin ketone	SCM	MN	
RCRP	EPA 8081B	Endrin ketone	NPW	MN	
RCRP	EPA 8081B	gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)	NPW	MN	
RCRP	EPA 8081B	gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)	SCM	MN	
RCRP	EPA 8081B	gamma-Chlordane	SCM	MN	
RCRP	EPA 8081B	gamma-Chlordane	NPW	MN	
RCRP	EPA 8081B	Heptachlor	SCM	MN	
RCRP	EPA 8081B	Heptachlor	NPW	MN	
RCRP	EPA 8081B	Heptachlor epoxide	SCM	MN	
RCRP	EPA 8081B	Heptachlor epoxide	NPW	MN	
RCRP	EPA 8081B	Methoxychlor	SCM	MN	
RCRP	EPA 8081B	Methoxychlor	NPW	MN	
RCRP	EPA 8081B	Toxaphene (Chlorinated camphene)	SCM	MN	
RCRP	EPA 8081B	Toxaphene (Chlorinated camphene)	NPW	MN	

EPA 8082

Preparation Techniques: Extraction, ultrasonic; Extraction, separatory funnel liquid-liquid (LLE); Extraction, pressurized fluid (PFE);

Program	Method	Analyte	Matrix	Primary	SOP
RCRP	EPA 8082	Aroclor-1016 (PCB-1016)	NPW	MN	
RCRP	EPA 8082	Aroclor-1016 (PCB-1016)	SCM	MN	
RCRP	EPA 8082	Aroclor-1221 (PCB-1221)	SCM	MN	
RCRP	EPA 8082	Aroclor-1221 (PCB-1221)	NPW	MN	
RCRP	EPA 8082	Aroclor-1232 (PCB-1232)	NPW	MN	
RCRP	EPA 8082	Aroclor-1232 (PCB-1232)	SCM	MN	
RCRP	EPA 8082	Aroclor-1242 (PCB-1242)	SCM	MN	

Program	Method	Analyte	Matrix	Primary	SOP
RCRP	EPA 8082	Aroclor-1242 (PCB-1242)	NPW	MN	
RCRP	EPA 8082	Aroclor-1248 (PCB-1248)	NPW	MN	
RCRP	EPA 8082	Aroclor-1248 (PCB-1248)	SCM	MN	
RCRP	EPA 8082	Aroclor-1254 (PCB-1254)	SCM	MN	
RCRP	EPA 8082	Aroclor-1254 (PCB-1254)	NPW	MN	
RCRP	EPA 8082	Aroclor-1260 (PCB-1260)	NPW	MN	
RCRP	EPA 8082	Aroclor-1260 (PCB-1260)	SCM	MN	
RCRP	EPA 8082	PCBs	SCM	MN	

EPA 8082A

Preparation Techniques: Extraction, separatory funnel liquid-liquid (LLE); Extraction, pressurized fluid (PFE);

Program	Method	Analyte	Matrix	Primary	SOP
RCRP	EPA 8082A	Aroclor-1016 (PCB-1016)	NPW	MN	
RCRP	EPA 8082A	Aroclor-1016 (PCB-1016)	SCM	MN	
RCRP	EPA 8082A	Aroclor-1221 (PCB-1221)	SCM	MN	
RCRP	EPA 8082A	Aroclor-1221 (PCB-1221)	NPW	MN	
RCRP	EPA 8082A	Aroclor-1232 (PCB-1232)	NPW	MN	
RCRP	EPA 8082A	Aroclor-1232 (PCB-1232)	SCM	MN	
RCRP	EPA 8082A	Aroclor-1242 (PCB-1242)	SCM	MN	
RCRP	EPA 8082A	Aroclor-1242 (PCB-1242)	NPW	MN	
RCRP	EPA 8082A	Aroclor-1248 (PCB-1248)	SCM	MN	
RCRP	EPA 8082A	Aroclor-1248 (PCB-1248)	NPW	MN	
RCRP	EPA 8082A	Aroclor-1254 (PCB-1254)	SCM	MN	
RCRP	EPA 8082A	Aroclor-1254 (PCB-1254)	NPW	MN	
RCRP	EPA 8082A	Aroclor-1260 (PCB-1260)	SCM	MN	
RCRP	EPA 8082A	Aroclor-1260 (PCB-1260)	NPW	MN	
RCRP	EPA 8082A	PCBs	SCM	MN	

EPA 8260B

Preparation Techniques: Purge and trap; Extraction, EPA 1311 TCLP, zero headspace (ZHE);

Program	Method	Analyte	Matrix	Primary	SOP
RCRP	EPA 8260B	1,1,1,2-Tetrachloroethane	NPW	MN	
RCRP	EPA 8260B	1,1,1,2-Tetrachloroethane	SCM	MN	

Program	Method	Analyte	Matrix	Primary	SOP
RCRP	EPA 8260B	1,1,1-Trichloroethane	NPW	MN	
RCRP	EPA 8260B	1,1,1-Trichloroethane	SCM	MN	
RCRP	EPA 8260B	1,1,2,2-Tetrachloroethane	NPW	MN	
RCRP	EPA 8260B	1,1,2,2-Tetrachloroethane	SCM	MN	
RCRP	EPA 8260B	1,1,2-Trichloroethane	SCM	MN	
RCRP	EPA 8260B	1,1,2-Trichloroethane	NPW	MN	
RCRP	EPA 8260B	1,1-Dichloroethane	NPW	MN	
RCRP	EPA 8260B	1,1-Dichloroethane	SCM	MN	
RCRP	EPA 8260B	1,1-Dichloroethylene	NPW	MN	
RCRP	EPA 8260B	1,1-Dichloroethylene	SCM	MN	
RCRP	EPA 8260B	1,1-Dichloropropene	NPW	MN	
RCRP	EPA 8260B	1,1-Dichloropropene	SCM	MN	
RCRP	EPA 8260B	1,2,3-Trichlorobenzene	SCM	MN	
RCRP	EPA 8260B	1,2,3-Trichlorobenzene	NPW	MN	
RCRP	EPA 8260B	1,2,3-Trichloropropane	SCM	MN	
RCRP	EPA 8260B	1,2,3-Trichloropropane	NPW	MN	
RCRP	EPA 8260B	1,2,4-Trichlorobenzene	NPW	MN	
RCRP	EPA 8260B	1,2,4-Trichlorobenzene	SCM	MN	
RCRP	EPA 8260B	1,2,4-Trimethylbenzene	NPW	MN	
RCRP	EPA 8260B	1,2,4-Trimethylbenzene	SCM	MN	
RCRP	EPA 8260B	1,2-Dibromo-3-chloropropane (DBCP)	NPW	MN	
RCRP	EPA 8260B	1,2-Dibromo-3-chloropropane (DBCP)	SCM	MN	
RCRP	EPA 8260B	1,2-Dibromoethane (EDB, Ethylene dibromide)	SCM	MN	
RCRP	EPA 8260B	1,2-Dibromoethane (EDB, Ethylene dibromide)	NPW	MN	
RCRP	EPA 8260B	1,2-Dichlorobenzene	NPW	MN	
RCRP	EPA 8260B	1,2-Dichlorobenzene	SCM	MN	
RCRP	EPA 8260B	1,2-Dichloroethane (Ethylene dichloride)	NPW	MN	
RCRP	EPA 8260B	1,2-Dichloroethane (Ethylene dichloride)	SCM	MN	
RCRP	EPA 8260B	1,2-Dichloropropane	NPW	MN	
RCRP	EPA 8260B	1,2-Dichloropropane	SCM	MN	
RCRP	EPA 8260B	1,3,5-Trimethylbenzene	SCM	MN	
RCRP	EPA 8260B	1,3,5-Trimethylbenzene	NPW	MN	
RCRP	EPA 8260B	1,3-Dichlorobenzene	SCM	MN	
RCRP	EPA 8260B	1,3-Dichlorobenzene	NPW	MN	
RCRP	EPA 8260B	1,3-Dichloropropane	SCM	MN	

Program	Method	Analyte	Matrix	Primary	SOP
RCRP	EPA 8260B	1,3-Dichloropropane	NPW	MN	
RCRP	EPA 8260B	1,4-Dichlorobenzene	SCM	MN	
RCRP	EPA 8260B	1,4-Dichlorobenzene	NPW	MN	
RCRP	EPA 8260B	2,2-Dichloropropane	SCM	MN	
RCRP	EPA 8260B	2,2-Dichloropropane	NPW	MN	
RCRP	EPA 8260B	2-Butanone (Methyl ethyl ketone, MEK)	SCM	MN	
RCRP	EPA 8260B	2-Butanone (Methyl ethyl ketone, MEK)	NPW	MN	
RCRP	EPA 8260B	2-Chlorotoluene	SCM	MN	
RCRP	EPA 8260B	2-Chlorotoluene	NPW	MN	
RCRP	EPA 8260B	4-Chlorotoluene	SCM	MN	
RCRP	EPA 8260B	4-Chlorotoluene	NPW	MN	
RCRP	EPA 8260B	4-Isopropyltoluene (p-Cymene)	NPW	MN	
RCRP	EPA 8260B	4-Isopropyltoluene (p-Cymene)	SCM	MN	
RCRP	EPA 8260B	4-Methyl-2-pentanone (MIBK)	SCM	MN	
RCRP	EPA 8260B	4-Methyl-2-pentanone (MIBK)	NPW	MN	
RCRP	EPA 8260B	Acetone	SCM	MN	
RCRP	EPA 8260B	Acetone	NPW	MN	
RCRP	EPA 8260B	Allyl chloride (3-Chloropropene)	SCM	MN	
RCRP	EPA 8260B	Allyl chloride (3-Chloropropene)	NPW	MN	
RCRP	EPA 8260B	Benzene	NPW	MN	
RCRP	EPA 8260B	Benzene	SCM	MN	
RCRP	EPA 8260B	Bromobenzene	NPW	MN	
RCRP	EPA 8260B	Bromobenzene	SCM	MN	
RCRP	EPA 8260B	Bromochloromethane	SCM	MN	
RCRP	EPA 8260B	Bromochloromethane	NPW	MN	
RCRP	EPA 8260B	Bromodichloromethane	SCM	MN	
RCRP	EPA 8260B	Bromodichloromethane	NPW	MN	
RCRP	EPA 8260B	Bromoform	SCM	MN	
RCRP	EPA 8260B	Bromoform	NPW	MN	
RCRP	EPA 8260B	Carbon tetrachloride	NPW	MN	
RCRP	EPA 8260B	Carbon tetrachloride	SCM	MN	
RCRP	EPA 8260B	Chlorobenzene	SCM	MN	
RCRP	EPA 8260B	Chlorobenzene	NPW	MN	
RCRP	EPA 8260B	Chlorodibromomethane	SCM	MN	
RCRP	EPA 8260B	Chlorodibromomethane	NPW	MN	
RCRP	EPA 8260B	Chloroethane (Ethyl chloride)	SCM	MN	

Program	Method	Analyte	Matrix	Primary	SOP
RCRP	EPA 8260B	Chloroethane (Ethyl chloride)	NPW	MN	
RCRP	EPA 8260B	Chloroform	NPW	MN	
RCRP	EPA 8260B	Chloroform	SCM	MN	
RCRP	EPA 8260B	cis-1,2-Dichloroethylene	NPW	MN	
RCRP	EPA 8260B	cis-1,2-Dichloroethylene	SCM	MN	
RCRP	EPA 8260B	cis-1,3-Dichloropropene	SCM	MN	
RCRP	EPA 8260B	cis-1,3-Dichloropropene	NPW	MN	
RCRP	EPA 8260B	Dibromomethane (Methylene bromide)	SCM	MN	
RCRP	EPA 8260B	Dibromomethane (Methylene bromide)	NPW	MN	
RCRP	EPA 8260B	Dichlorodifluoromethane (Freon-12)	SCM	MN	
RCRP	EPA 8260B	Dichlorodifluoromethane (Freon-12)	NPW	MN	
RCRP	EPA 8260B	Diethyl ether	SCM	MN	
RCRP	EPA 8260B	Diethyl ether	NPW	MN	
RCRP	EPA 8260B	Ethylbenzene	NPW	MN	
RCRP	EPA 8260B	Ethylbenzene	SCM	MN	
RCRP	EPA 8260B	Hexachlorobutadiene	SCM	MN	
RCRP	EPA 8260B	Hexachlorobutadiene	NPW	MN	
RCRP	EPA 8260B	Isopropylbenzene	SCM	MN	
RCRP	EPA 8260B	Isopropylbenzene	NPW	MN	
RCRP	EPA 8260B	m+p-xylene	SCM	MN	
RCRP	EPA 8260B	m+p-xylene	NPW	MN	
RCRP	EPA 8260B	Methyl bromide (Bromomethane)	NPW	MN	
RCRP	EPA 8260B	Methyl bromide (Bromomethane)	SCM	MN	
RCRP	EPA 8260B	Methyl chloride (Chloromethane)	SCM	MN	
RCRP	EPA 8260B	Methyl chloride (Chloromethane)	NPW	MN	
RCRP	EPA 8260B	Methyl tert-butyl ether (MTBE)	NPW	MN	
RCRP	EPA 8260B	Methyl tert-butyl ether (MTBE)	SCM	MN	
RCRP	EPA 8260B	Methylene chloride (Dichloromethane)	SCM	MN	
RCRP	EPA 8260B	Methylene chloride (Dichloromethane)	NPW	MN	
RCRP	EPA 8260B	n-Butylbenzene	SCM	MN	
RCRP	EPA 8260B	n-Butylbenzene	NPW	MN	
RCRP	EPA 8260B	n-Propylbenzene	NPW	MN	
RCRP	EPA 8260B	n-Propylbenzene	SCM	MN	
RCRP	EPA 8260B	Naphthalene	SCM	MN	
RCRP	EPA 8260B	Naphthalene	NPW	MN	
RCRP	EPA 8260B	o-Xylene	SCM	MN	

Program	Method	Analyte	Matrix	Primary	SOP
RCRP	EPA 8260B	o-Xylene	NPW	MN	
RCRP	EPA 8260B	sec-Butylbenzene	SCM	MN	
RCRP	EPA 8260B	sec-Butylbenzene	NPW	MN	
RCRP	EPA 8260B	Styrene	NPW	MN	
RCRP	EPA 8260B	Styrene	SCM	MN	
RCRP	EPA 8260B	tert-Butylbenzene	NPW	MN	
RCRP	EPA 8260B	tert-Butylbenzene	SCM	MN	
RCRP	EPA 8260B	Tetrachloroethylene (Perchloroethylene)	NPW	MN	
RCRP	EPA 8260B	Tetrachloroethylene (Perchloroethylene)	SCM	MN	
RCRP	EPA 8260B	Toluene	SCM	MN	
RCRP	EPA 8260B	Toluene	NPW	MN	
RCRP	EPA 8260B	trans-1,2-Dichloroethylene	NPW	MN	
RCRP	EPA 8260B	trans-1,2-Dichloroethylene	SCM	MN	
RCRP	EPA 8260B	trans-1,3-Dichloropropylene	NPW	MN	
RCRP	EPA 8260B	trans-1,3-Dichloropropylene	SCM	MN	
RCRP	EPA 8260B	Trichloroethene (Trichloroethylene)	NPW	MN	
RCRP	EPA 8260B	Trichloroethene (Trichloroethylene)	SCM	MN	
RCRP	EPA 8260B	Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	NPW	MN	
RCRP	EPA 8260B	Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	SCM	MN	
RCRP	EPA 8260B	Vinyl chloride	NPW	MN	
RCRP	EPA 8260B	Vinyl chloride	SCM	MN	

EPA 8270C

Preparation Techniques: Extraction, ultrasonic; Extraction, separatory funnel liquid-liquid (LLE); Extraction, EPA 1311 TCLP, non-volatiles; Extraction, pressurized fluid (PFE);

Program	Method	Analyte	Matrix	Primary	SOP
RCRP	EPA 8270C	1,2,4-Trichlorobenzene	NPW	MN	
RCRP	EPA 8270C	1,2,4-Trichlorobenzene	SCM	MN	
RCRP	EPA 8270C	1,2-Dichlorobenzene	NPW	MN	
RCRP	EPA 8270C	1,2-Dichlorobenzene	SCM	MN	
RCRP	EPA 8270C	1,2-Diphenylhydrazine	SCM	MN	
RCRP	EPA 8270C	1,2-Diphenylhydrazine	NPW	MN	
RCRP	EPA 8270C	1,3-Dichlorobenzene	SCM	MN	
RCRP	EPA 8270C	1,3-Dichlorobenzene	NPW	MN	

Program	Method	Analyte	Matrix	Primary	SOP
RCRP	EPA 8270C	1,4-Dichlorobenzene	NPW	MN	
RCRP	EPA 8270C	1,4-Dichlorobenzene	SCM	MN	
RCRP	EPA 8270C	2,3,4,6-Tetrachlorophenol	NPW	MN	
RCRP	EPA 8270C	2,3,4,6-Tetrachlorophenol	SCM	MN	
RCRP	EPA 8270C	2,4,5-Trichlorophenol	SCM	MN	
RCRP	EPA 8270C	2,4,5-Trichlorophenol	NPW	MN	
RCRP	EPA 8270C	2,4,6-Trichlorophenol	SCM	MN	
RCRP	EPA 8270C	2,4,6-Trichlorophenol	NPW	MN	
RCRP	EPA 8270C	2,4-Dichlorophenol	NPW	MN	
RCRP	EPA 8270C	2,4-Dichlorophenol	SCM	MN	
RCRP	EPA 8270C	2,4-Dimethylphenol	SCM	MN	
RCRP	EPA 8270C	2,4-Dimethylphenol	NPW	MN	
RCRP	EPA 8270C	2,4-Dinitrophenol	SCM	MN	
RCRP	EPA 8270C	2,4-Dinitrophenol	NPW	MN	
RCRP	EPA 8270C	2,4-Dinitrotoluene (2,4-DNT)	SCM	MN	
RCRP	EPA 8270C	2,4-Dinitrotoluene (2,4-DNT)	NPW	MN	
RCRP	EPA 8270C	2,6-Dichlorophenol	SCM	MN	
RCRP	EPA 8270C	2,6-Dichlorophenol	NPW	MN	
RCRP	EPA 8270C	2,6-Dinitrotoluene (2,6-DNT)	NPW	MN	
RCRP	EPA 8270C	2,6-Dinitrotoluene (2,6-DNT)	SCM	MN	
RCRP	EPA 8270C	2-Chloronaphthalene	NPW	MN	
RCRP	EPA 8270C	2-Chloronaphthalene	SCM	MN	
RCRP	EPA 8270C	2-Chlorophenol	NPW	MN	
RCRP	EPA 8270C	2-Chlorophenol	SCM	MN	
RCRP	EPA 8270C	2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	SCM	MN	
RCRP	EPA 8270C	2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	NPW	MN	
RCRP	EPA 8270C	2-Methylnaphthalene	SCM	MN	
RCRP	EPA 8270C	2-Methylnaphthalene	NPW	MN	
RCRP	EPA 8270C	2-Methylphenol (o-Cresol)	NPW	MN	
RCRP	EPA 8270C	2-Methylphenol (o-Cresol)	SCM	MN	
RCRP	EPA 8270C	2-Nitroaniline	SCM	MN	
RCRP	EPA 8270C	2-Nitroaniline	NPW	MN	
RCRP	EPA 8270C	2-Nitrophenol	NPW	MN	
RCRP	EPA 8270C	2-Nitrophenol	SCM	MN	
RCRP	EPA 8270C	3,3'-Dichlorobenzidine	SCM	MN	

Program	Method	Analyte	Matrix	Primary	SOP
RCRP	EPA 8270C	3,3'-Dichlorobenzidine	NPW	MN	
RCRP	EPA 8270C	3-Methylcholanthrene	SCM	MN	
RCRP	EPA 8270C	3-Nitroaniline	NPW	MN	
RCRP	EPA 8270C	3-Nitroaniline	SCM	MN	
RCRP	EPA 8270C	4-Bromophenyl phenyl ether	SCM	MN	
RCRP	EPA 8270C	4-Bromophenyl phenyl ether	NPW	MN	
RCRP	EPA 8270C	4-Chloro-3-methylphenol	NPW	MN	
RCRP	EPA 8270C	4-Chloro-3-methylphenol	SCM	MN	
RCRP	EPA 8270C	4-Chloroaniline	NPW	MN	
RCRP	EPA 8270C	4-Chloroaniline	SCM	MN	
RCRP	EPA 8270C	4-Chlorophenyl phenylether	SCM	MN	
RCRP	EPA 8270C	4-Chlorophenyl phenylether	NPW	MN	
RCRP	EPA 8270C	4-Methylphenol (p-Cresol)	SCM	MN	
RCRP	EPA 8270C	4-Methylphenol (p-Cresol)	NPW	MN	
RCRP	EPA 8270C	4-Nitroaniline	NPW	MN	
RCRP	EPA 8270C	4-Nitroaniline	SCM	MN	
RCRP	EPA 8270C	4-Nitrophenol	SCM	MN	
RCRP	EPA 8270C	4-Nitrophenol	NPW	MN	
RCRP	EPA 8270C	7,12-Dimethylbenz(a) anthracene	SCM	MN	
RCRP	EPA 8270C	Acenaphthene	NPW	MN	
RCRP	EPA 8270C	Acenaphthene	SCM	MN	
RCRP	EPA 8270C	Acenaphthylene	SCM	MN	
RCRP	EPA 8270C	Acenaphthylene	NPW	MN	
RCRP	EPA 8270C	Aniline	NPW	MN	
RCRP	EPA 8270C	Aniline	SCM	MN	
RCRP	EPA 8270C	Anthracene	SCM	MN	
RCRP	EPA 8270C	Anthracene	NPW	MN	
RCRP	EPA 8270C	Benzidine	SCM	MN	
RCRP	EPA 8270C	Benzidine	NPW	MN	
RCRP	EPA 8270C	Benzo(a)anthracene	SCM	MN	
RCRP	EPA 8270C	Benzo(a)anthracene	NPW	MN	
RCRP	EPA 8270C	Benzo(a)pyrene	NPW	MN	
RCRP	EPA 8270C	Benzo(a)pyrene	SCM	MN	
RCRP	EPA 8270C	Benzo(g,h,i)perylene	SCM	MN	
RCRP	EPA 8270C	Benzo(g,h,i)perylene	NPW	MN	
RCRP	EPA 8270C	Benzo(k)fluoranthene	NPW	MN	

Program	Method	Analyte	Matrix	Primary	SOP
RCRP	EPA 8270C	Benzo(k)fluoranthene	SCM	MN	
RCRP	EPA 8270C	Benzo[b]fluoranthene	NPW	MN	
RCRP	EPA 8270C	Benzo[b]fluoranthene	SCM	MN	
RCRP	EPA 8270C	Benzoic acid	NPW	MN	
RCRP	EPA 8270C	Benzoic acid	SCM	MN	
RCRP	EPA 8270C	Benzyl alcohol	NPW	MN	
RCRP	EPA 8270C	Benzyl alcohol	SCM	MN	
RCRP	EPA 8270C	bis(2-Chloroethoxy)methane	SCM	MN	
RCRP	EPA 8270C	bis(2-Chloroethoxy)methane	NPW	MN	
RCRP	EPA 8270C	bis(2-Chloroethyl) ether	NPW	MN	
RCRP	EPA 8270C	bis(2-Chloroethyl) ether	SCM	MN	
RCRP	EPA 8270C	bis(2-Chloroisopropyl) ether	NPW	MN	
RCRP	EPA 8270C	bis(2-Chloroisopropyl) ether	SCM	MN	
RCRP	EPA 8270C	Butyl benzyl phthalate	NPW	MN	
RCRP	EPA 8270C	Butyl benzyl phthalate	SCM	MN	
RCRP	EPA 8270C	Chrysene	SCM	MN	
RCRP	EPA 8270C	Chrysene	NPW	MN	
RCRP	EPA 8270C	Di(2-ethylhexyl) phthalate (bis(2-Ethylhexyl)phthalate, DEHP)	SCM	MN	
RCRP	EPA 8270C	Di(2-ethylhexyl) phthalate (bis(2-Ethylhexyl)phthalate, DEHP)	NPW	MN	
RCRP	EPA 8270C	Di-n-butyl phthalate	NPW	MN	
RCRP	EPA 8270C	Di-n-butyl phthalate	SCM	MN	
RCRP	EPA 8270C	Di-n-octyl phthalate	NPW	MN	
RCRP	EPA 8270C	Di-n-octyl phthalate	SCM	MN	
RCRP	EPA 8270C	Dibenz(a, j) acridine	SCM	MN	
RCRP	EPA 8270C	Dibenz(a,h) anthracene	NPW	MN	
RCRP	EPA 8270C	Dibenz(a,h) anthracene	SCM	MN	
RCRP	EPA 8270C	Dibenzo(a,e) pyrene	SCM	MN	
RCRP	EPA 8270C	Dibenzofuran	NPW	MN	
RCRP	EPA 8270C	Dibenzofuran	SCM	MN	
RCRP	EPA 8270C	Diethyl phthalate	SCM	MN	
RCRP	EPA 8270C	Diethyl phthalate	NPW	MN	
RCRP	EPA 8270C	Dimethyl phthalate	NPW	MN	
RCRP	EPA 8270C	Dimethyl phthalate	SCM	MN	
RCRP	EPA 8270C	Fluoranthene	NPW	MN	
RCRP	EPA 8270C	Fluoranthene	SCM	MN	

Program	Method	Analyte	Matrix	Primary	SOP
RCRP	EPA 8270C	Fluorene	NPW	MN	
RCRP	EPA 8270C	Fluorene	SCM	MN	
RCRP	EPA 8270C	Hexachlorobenzene	NPW	MN	
RCRP	EPA 8270C	Hexachlorobenzene	SCM	MN	
RCRP	EPA 8270C	Hexachlorobutadiene	SCM	MN	
RCRP	EPA 8270C	Hexachlorobutadiene	NPW	MN	
RCRP	EPA 8270C	Hexachlorocyclopentadiene	NPW	MN	
RCRP	EPA 8270C	Hexachlorocyclopentadiene	SCM	MN	
RCRP	EPA 8270C	Hexachloroethane	NPW	MN	
RCRP	EPA 8270C	Hexachloroethane	SCM	MN	
RCRP	EPA 8270C	Indeno(1,2,3-cd) pyrene	NPW	MN	
RCRP	EPA 8270C	Indeno(1,2,3-cd) pyrene	SCM	MN	
RCRP	EPA 8270C	Isophorone	NPW	MN	
RCRP	EPA 8270C	Isophorone	SCM	MN	
RCRP	EPA 8270C	n-Nitrosodi-n-propylamine	NPW	MN	
RCRP	EPA 8270C	n-Nitrosodi-n-propylamine	SCM	MN	
RCRP	EPA 8270C	n-Nitrosodimethylamine	SCM	MN	
RCRP	EPA 8270C	n-Nitrosodimethylamine	NPW	MN	
RCRP	EPA 8270C	n-Nitrosodiphenylamine	NPW	MN	
RCRP	EPA 8270C	n-Nitrosodiphenylamine	SCM	MN	
RCRP	EPA 8270C	Naphthalene	SCM	MN	
RCRP	EPA 8270C	Naphthalene	NPW	MN	
RCRP	EPA 8270C	Nitrobenzene	SCM	MN	
RCRP	EPA 8270C	Nitrobenzene	NPW	MN	
RCRP	EPA 8270C	Pentachlorophenol	SCM	MN	
RCRP	EPA 8270C	Pentachlorophenol	NPW	MN	
RCRP	EPA 8270C	Phenanthrene	NPW	MN	
RCRP	EPA 8270C	Phenanthrene	SCM	MN	
RCRP	EPA 8270C	Phenol	NPW	MN	
RCRP	EPA 8270C	Phenol	SCM	MN	
RCRP	EPA 8270C	Pyrene	NPW	MN	
RCRP	EPA 8270C	Pyrene	SCM	MN	
RCRP	EPA 8270C	Pyridine	NPW	MN	
RCRP	EPA 8270C	Pyridine	SCM	MN	

EPA 8270C SIM

Preparation Techniques: Extraction, separatory funnel liquid-liquid (LLE);

Program	Method	Analyte	Matrix	Primary	SOP
RCRP	EPA 8270C SIM	Benzo(a)anthracene	NPW	MN	
RCRP	EPA 8270C SIM	Benzo(a)pyrene	NPW	MN	
RCRP	EPA 8270C SIM	Benzo(j)fluoranthene	NPW	MN	
RCRP	EPA 8270C SIM	Benzo(k)fluoranthene	NPW	MN	
RCRP	EPA 8270C SIM	Benzo[b]fluoranthene	NPW	MN	
RCRP	EPA 8270C SIM	Dibenz(a,h) anthracene	NPW	MN	
RCRP	EPA 8270C SIM	Fluoranthene	NPW	MN	
RCRP	EPA 8270C SIM	Indeno(1,2,3-cd) pyrene	NPW	MN	
RCRP	EPA 8270C SIM	Pyrene	NPW	MN	

EPA 8270D

Preparation Techniques: Extraction, ultrasonic; Extraction, separatory funnel liquid-liquid (LLE); Extraction, EPA 1311 TCLP, non-volatiles; Extraction, pressurized fluid (PFE);

Program	Method	Analyte	Matrix	Primary	SOP
RCRP	EPA 8270D	1,2,4-Trichlorobenzene	SCM	MN	
RCRP	EPA 8270D	1,2,4-Trichlorobenzene	NPW	MN	
RCRP	EPA 8270D	1,2-Dichlorobenzene	SCM	MN	
RCRP	EPA 8270D	1,2-Dichlorobenzene	NPW	MN	
RCRP	EPA 8270D	1,2-Diphenylhydrazine	SCM	MN	
RCRP	EPA 8270D	1,2-Diphenylhydrazine	NPW	MN	
RCRP	EPA 8270D	1,3-Dichlorobenzene	NPW	MN	
RCRP	EPA 8270D	1,3-Dichlorobenzene	SCM	MN	
RCRP	EPA 8270D	1,4-Dichlorobenzene	NPW	MN	
RCRP	EPA 8270D	1,4-Dichlorobenzene	SCM	MN	
RCRP	EPA 8270D	2,3,4,6-Tetrachlorophenol	SCM	MN	
RCRP	EPA 8270D	2,3,4,6-Tetrachlorophenol	NPW	MN	
RCRP	EPA 8270D	2,4,5-Trichlorophenol	NPW	MN	
RCRP	EPA 8270D	2,4,5-Trichlorophenol	SCM	MN	
RCRP	EPA 8270D	2,4,6-Trichlorophenol	NPW	MN	
RCRP	EPA 8270D	2,4,6-Trichlorophenol	SCM	MN	
RCRP	EPA 8270D	2,4-Dichlorophenol	NPW	MN	
RCRP	EPA 8270D	2,4-Dichlorophenol	SCM	MN	

Program	Method	Analyte	Matrix	Primary	SOP
RCRP	EPA 8270D	2,4-Dimethylphenol	SCM	MN	
RCRP	EPA 8270D	2,4-Dimethylphenol	NPW	MN	
RCRP	EPA 8270D	2,4-Dinitrophenol	NPW	MN	
RCRP	EPA 8270D	2,4-Dinitrophenol	SCM	MN	
RCRP	EPA 8270D	2,4-Dinitrotoluene (2,4-DNT)	SCM	MN	
RCRP	EPA 8270D	2,4-Dinitrotoluene (2,4-DNT)	NPW	MN	
RCRP	EPA 8270D	2,6-Dichlorophenol	NPW	MN	
RCRP	EPA 8270D	2,6-Dichlorophenol	SCM	MN	
RCRP	EPA 8270D	2,6-Dinitrotoluene (2,6-DNT)	SCM	MN	
RCRP	EPA 8270D	2,6-Dinitrotoluene (2,6-DNT)	NPW	MN	
RCRP	EPA 8270D	2-Chloronaphthalene	SCM	MN	
RCRP	EPA 8270D	2-Chloronaphthalene	NPW	MN	
RCRP	EPA 8270D	2-Chlorophenol	SCM	MN	
RCRP	EPA 8270D	2-Chlorophenol	NPW	MN	
RCRP	EPA 8270D	2-Methylnaphthalene	NPW	MN	
RCRP	EPA 8270D	2-Methylnaphthalene	SCM	MN	
RCRP	EPA 8270D	2-Methylphenol (o-Cresol)	SCM	MN	
RCRP	EPA 8270D	2-Methylphenol (o-Cresol)	NPW	MN	
RCRP	EPA 8270D	2-Nitroaniline	SCM	MN	
RCRP	EPA 8270D	2-Nitroaniline	NPW	MN	
RCRP	EPA 8270D	2-Nitrophenol	SCM	MN	
RCRP	EPA 8270D	2-Nitrophenol	NPW	MN	
RCRP	EPA 8270D	3,3'-Dichlorobenzidine	SCM	MN	
RCRP	EPA 8270D	3,3'-Dichlorobenzidine	NPW	MN	
RCRP	EPA 8270D	3-Methylcholanthrene	SCM	MN	
RCRP	EPA 8270D	3-Nitroaniline	SCM	MN	
RCRP	EPA 8270D	3-Nitroaniline	NPW	MN	
RCRP	EPA 8270D	4-Bromophenyl phenyl ether	SCM	MN	
RCRP	EPA 8270D	4-Bromophenyl phenyl ether	NPW	MN	
RCRP	EPA 8270D	4-Chloro-3-methylphenol	NPW	MN	
RCRP	EPA 8270D	4-Chloro-3-methylphenol	SCM	MN	
RCRP	EPA 8270D	4-Chloroaniline	NPW	MN	
RCRP	EPA 8270D	4-Chloroaniline	SCM	MN	
RCRP	EPA 8270D	4-Chlorophenyl phenylether	NPW	MN	
RCRP	EPA 8270D	4-Chlorophenyl phenylether	SCM	MN	
RCRP	EPA 8270D	4-Methylphenol (p-Cresol)	NPW	MN	

Program	Method	Analyte	Matrix	Primary	SOP
RCRP	EPA 8270D	4-Methylphenol (p-Cresol)	SCM	MN	
RCRP	EPA 8270D	4-Nitroaniline	NPW	MN	
RCRP	EPA 8270D	4-Nitroaniline	SCM	MN	
RCRP	EPA 8270D	4-Nitrophenol	SCM	MN	
RCRP	EPA 8270D	4-Nitrophenol	NPW	MN	
RCRP	EPA 8270D	7,12-Dimethylbenz(a) anthracene	SCM	MN	
RCRP	EPA 8270D	Acenaphthene	NPW	MN	
RCRP	EPA 8270D	Acenaphthene	SCM	MN	
RCRP	EPA 8270D	Acenaphthylene	NPW	MN	
RCRP	EPA 8270D	Acenaphthylene	SCM	MN	
RCRP	EPA 8270D	Aniline	SCM	MN	
RCRP	EPA 8270D	Aniline	NPW	MN	
RCRP	EPA 8270D	Anthracene	NPW	MN	
RCRP	EPA 8270D	Anthracene	SCM	MN	
RCRP	EPA 8270D	Benzidine	NPW	MN	
RCRP	EPA 8270D	Benzidine	SCM	MN	
RCRP	EPA 8270D	Benzo(a)anthracene	NPW	MN	
RCRP	EPA 8270D	Benzo(a)anthracene	SCM	MN	
RCRP	EPA 8270D	Benzo(a)pyrene	NPW	MN	
RCRP	EPA 8270D	Benzo(a)pyrene	SCM	MN	
RCRP	EPA 8270D	Benzo(g,h,i)perylene	SCM	MN	
RCRP	EPA 8270D	Benzo(g,h,i)perylene	NPW	MN	
RCRP	EPA 8270D	Benzo(k)fluoranthene	NPW	MN	
RCRP	EPA 8270D	Benzo(k)fluoranthene	SCM	MN	
RCRP	EPA 8270D	Benzo[b]fluoranthene	NPW	MN	
RCRP	EPA 8270D	Benzo[b]fluoranthene	SCM	MN	
RCRP	EPA 8270D	Benzoic acid	SCM	MN	
RCRP	EPA 8270D	Benzoic acid	NPW	MN	
RCRP	EPA 8270D	Benzyl alcohol	SCM	MN	
RCRP	EPA 8270D	Benzyl alcohol	NPW	MN	
RCRP	EPA 8270D	bis(2-Chloroethoxy)methane	NPW	MN	
RCRP	EPA 8270D	bis(2-Chloroethoxy)methane	SCM	MN	
RCRP	EPA 8270D	bis(2-Chloroethyl) ether	SCM	MN	
RCRP	EPA 8270D	bis(2-Chloroethyl) ether	NPW	MN	
RCRP	EPA 8270D	bis(2-Chloroisopropyl) ether	NPW	MN	
RCRP	EPA 8270D	bis(2-Chloroisopropyl) ether	SCM	MN	

Program	Method	Analyte	Matrix	Primary	SOP
RCRP	EPA 8270D	Butyl benzyl phthalate	NPW	MN	
RCRP	EPA 8270D	Butyl benzyl phthalate	SCM	MN	
RCRP	EPA 8270D	Carbazole	NPW	MN	
RCRP	EPA 8270D	Carbazole	SCM	MN	
RCRP	EPA 8270D	Chrysene	NPW	MN	
RCRP	EPA 8270D	Chrysene	SCM	MN	
RCRP	EPA 8270D	Di(2-ethylhexyl) phthalate (bis(2-Ethylhexyl)phthalate, DEHP)	NPW	MN	
RCRP	EPA 8270D	Di(2-ethylhexyl) phthalate (bis(2-Ethylhexyl)phthalate, DEHP)	SCM	MN	
RCRP	EPA 8270D	Di-n-butyl phthalate	NPW	MN	
RCRP	EPA 8270D	Di-n-butyl phthalate	SCM	MN	
RCRP	EPA 8270D	Di-n-octyl phthalate	SCM	MN	
RCRP	EPA 8270D	Di-n-octyl phthalate	NPW	MN	
RCRP	EPA 8270D	Dibenz(a, j) acridine	SCM	MN	
RCRP	EPA 8270D	Dibenz(a,h) anthracene	SCM	MN	
RCRP	EPA 8270D	Dibenz(a,h) anthracene	NPW	MN	
RCRP	EPA 8270D	Dibenzo(a,e) pyrene	SCM	MN	
RCRP	EPA 8270D	Dibenzofuran	NPW	MN	
RCRP	EPA 8270D	Dibenzofuran	SCM	MN	
RCRP	EPA 8270D	Diethyl phthalate	NPW	MN	
RCRP	EPA 8270D	Diethyl phthalate	SCM	MN	
RCRP	EPA 8270D	Dimethyl phthalate	SCM	MN	
RCRP	EPA 8270D	Dimethyl phthalate	NPW	MN	
RCRP	EPA 8270D	Fluoranthene	NPW	MN	
RCRP	EPA 8270D	Fluoranthene	SCM	MN	
RCRP	EPA 8270D	Fluorene	SCM	MN	
RCRP	EPA 8270D	Fluorene	NPW	MN	
RCRP	EPA 8270D	Hexachlorobenzene	SCM	MN	
RCRP	EPA 8270D	Hexachlorobenzene	NPW	MN	
RCRP	EPA 8270D	Hexachlorobutadiene	NPW	MN	
RCRP	EPA 8270D	Hexachlorobutadiene	SCM	MN	
RCRP	EPA 8270D	Hexachlorocyclopentadiene	NPW	MN	
RCRP	EPA 8270D	Hexachlorocyclopentadiene	SCM	MN	
RCRP	EPA 8270D	Hexachloroethane	SCM	MN	
RCRP	EPA 8270D	Hexachloroethane	NPW	MN	
RCRP	EPA 8270D	Indeno(1,2,3-cd) pyrene	NPW	MN	

Program	Method	Analyte	Matrix	Primary	SOP
RCRP	EPA 8270D	Indeno(1,2,3-cd) pyrene	SCM	MN	
RCRP	EPA 8270D	Isophorone	NPW	MN	
RCRP	EPA 8270D	Isophorone	SCM	MN	
RCRP	EPA 8270D	n-Nitrosodi-n-propylamine	NPW	MN	
RCRP	EPA 8270D	n-Nitrosodi-n-propylamine	SCM	MN	
RCRP	EPA 8270D	n-Nitrosodimethylamine	SCM	MN	
RCRP	EPA 8270D	n-Nitrosodimethylamine	NPW	MN	
RCRP	EPA 8270D	n-Nitrosodiphenylamine	SCM	MN	
RCRP	EPA 8270D	n-Nitrosodiphenylamine	NPW	MN	
RCRP	EPA 8270D	Naphthalene	SCM	MN	
RCRP	EPA 8270D	Naphthalene	NPW	MN	
RCRP	EPA 8270D	Nitrobenzene	NPW	MN	
RCRP	EPA 8270D	Nitrobenzene	SCM	MN	
RCRP	EPA 8270D	Pentachlorophenol	SCM	MN	
RCRP	EPA 8270D	Pentachlorophenol	NPW	MN	
RCRP	EPA 8270D	Phenanthrene	SCM	MN	
RCRP	EPA 8270D	Phenanthrene	NPW	MN	
RCRP	EPA 8270D	Phenol	SCM	MN	
RCRP	EPA 8270D	Phenol	NPW	MN	
RCRP	EPA 8270D	Pyrene	NPW	MN	
RCRP	EPA 8270D	Pyrene	SCM	MN	
RCRP	EPA 8270D	Pyridine	NPW	MN	
RCRP	EPA 8270D	Pyridine	SCM	MN	

EPA 8270D SIM

Preparation Techniques: Extraction, separatory funnel liquid-liquid (LLE);

Program	Method	Analyte	Matrix	Primary	SOP
RCRP	EPA 8270D SIM	Acenaphthene	NPW	MN	
RCRP	EPA 8270D SIM	Acenaphthylene	NPW	MN	
RCRP	EPA 8270D SIM	Anthracene	NPW	MN	
RCRP	EPA 8270D SIM	Benzo(a)anthracene	NPW	MN	
RCRP	EPA 8270D SIM	Benzo(a)pyrene	NPW	MN	
RCRP	EPA 8270D SIM	Benzo(g,h,i)perylene	NPW	MN	
RCRP	EPA 8270D SIM	Benzo(j)fluoranthene	NPW	MN	

Program	Method	Analyte	Matrix	Primary	SOP
RCRP	EPA 8270D SIM	Benzo(k)fluoranthene	NPW	MN	
RCRP	EPA 8270D SIM	Benzo[b]fluoranthene	NPW	MN	
RCRP	EPA 8270D SIM	Chrysene	NPW	MN	
RCRP	EPA 8270D SIM	Dibenz(a,h) anthracene	NPW	MN	
RCRP	EPA 8270D SIM	Fluoranthene	NPW	MN	
RCRP	EPA 8270D SIM	Fluorene	NPW	MN	
RCRP	EPA 8270D SIM	Indeno(1,2,3-cd) pyrene	NPW	MN	
RCRP	EPA 8270D SIM	Naphthalene	NPW	MN	
RCRP	EPA 8270D SIM	Phenanthrene	NPW	MN	
RCRP	EPA 8270D SIM	Pyrene	NPW	MN	

EPA 8330

Preparation Techniques: Extraction, ultrasonic; Extraction, solid phase (SPE);

Program	Method	Analyte	Matrix	Primary	SOP
RCRP	EPA 8330	1,3,5-Trinitrobenzene (1,3,5-TNB)	SCM	MN	
RCRP	EPA 8330	1,3,5-Trinitrobenzene (1,3,5-TNB)	NPW	MN	
RCRP	EPA 8330	1,3-Dinitrobenzene (1,3-DNB)	NPW	MN	
RCRP	EPA 8330	1,3-Dinitrobenzene (1,3-DNB)	SCM	MN	
RCRP	EPA 8330	2,4,6-Trinitrotoluene (2,4,6-TNT)	SCM	MN	
RCRP	EPA 8330	2,4,6-Trinitrotoluene (2,4,6-TNT)	NPW	MN	
RCRP	EPA 8330	2,4-Dinitrotoluene (2,4-DNT)	SCM	MN	
RCRP	EPA 8330	2,4-Dinitrotoluene (2,4-DNT)	NPW	MN	
RCRP	EPA 8330	2,6-Dinitrotoluene (2,6-DNT)	NPW	MN	
RCRP	EPA 8330	2,6-Dinitrotoluene (2,6-DNT)	SCM	MN	
RCRP	EPA 8330	2-Amino-4,6-dinitrotoluene (2-am-dnt)	NPW	MN	
RCRP	EPA 8330	2-Amino-4,6-dinitrotoluene (2-am-dnt)	SCM	MN	
RCRP	EPA 8330	2-Nitrotoluene	SCM	MN	
RCRP	EPA 8330	2-Nitrotoluene	NPW	MN	
RCRP	EPA 8330	3-Nitrotoluene	NPW	MN	
RCRP	EPA 8330	3-Nitrotoluene	SCM	MN	
RCRP	EPA 8330	4-Amino-2,6-dinitrotoluene (4-am-dnt)	NPW	MN	
RCRP	EPA 8330	4-Amino-2,6-dinitrotoluene (4-am-dnt)	SCM	MN	
RCRP	EPA 8330	4-Nitrotoluene	NPW	MN	
RCRP	EPA 8330	4-Nitrotoluene	SCM	MN	

Program	Method	Analyte	Matrix	Primary	SOP
RCRP	EPA 8330	Methyl-2,4,6-trinitrophenylnitramine (tetryl)	SCM	MN	
RCRP	EPA 8330	Methyl-2,4,6-trinitrophenylnitramine (tetryl)	NPW	MN	
RCRP	EPA 8330	Nitrobenzene	SCM	MN	
RCRP	EPA 8330	Nitrobenzene	NPW	MN	
RCRP	EPA 8330	Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	NPW	MN	
RCRP	EPA 8330	Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	SCM	MN	
RCRP	EPA 8330	RDX (hexahydro-1,3,5-trinitro-1,3,5-triazine)	NPW	MN	
RCRP	EPA 8330	RDX (hexahydro-1,3,5-trinitro-1,3,5-triazine)	SCM	MN	

EPA 9056A

Preparation Techniques: N/A

Program	Method	Analyte	Matrix	Primary	SOP
RCRP	EPA 9056A	Bromide	NPW	MN	
RCRP	EPA 9056A	Chloride	NPW	MN	
RCRP	EPA 9056A	Fluoride	NPW	MN	
RCRP	EPA 9056A	Nitrate	NPW	MN	
RCRP	EPA 9056A	Nitrite	NPW	MN	
RCRP	EPA 9056A	Orthophosphate as P	NPW	MN	
RCRP	EPA 9056A	Sulfate	NPW	MN	

Safe Drinking Water Program

EPA 200.7

Preparation Techniques: Digestion, hotplate or HotBlock;

Program	Method	Analyte	Matrix	Primary	SOP
SDWP	EPA 200.7	Aluminum	DW	MN	
SDWP	EPA 200.7	Arsenic	DW	MN	
SDWP	EPA 200.7	Barium	DW	MN	
SDWP	EPA 200.7	Beryllium	DW	MN	
SDWP	EPA 200.7	Cadmium	DW	MN	

Program	Method	Analyte	Matrix	Primary	SOP
SDWP	EPA 200.7	Calcium	DW	MN	
SDWP	EPA 200.7	Chromium	DW	MN	
SDWP	EPA 200.7	Copper	DW	MN	
SDWP	EPA 200.7	Iron	DW	MN	
SDWP	EPA 200.7	Magnesium	DW	MN	
SDWP	EPA 200.7	Manganese	DW	MN	
SDWP	EPA 200.7	Nickel	DW	MN	
SDWP	EPA 200.7	Silica as SiO2	DW	MN	
SDWP	EPA 200.7	Silver	DW	MN	
SDWP	EPA 200.7	Sodium	DW	MN	
SDWP	EPA 200.7	Zinc	DW	MN	

EPA 200.8

Preparation Techniques: Digestion, hotplate or HotBlock;

Program	Method	Analyte	Matrix	Primary	SOP
SDWP	EPA 200.8	Aluminum	DW	MN	
SDWP	EPA 200.8	Antimony	DW	MN	
SDWP	EPA 200.8	Arsenic	DW	MN	
SDWP	EPA 200.8	Barium	DW	MN	
SDWP	EPA 200.8	Beryllium	DW	MN	
SDWP	EPA 200.8	Cadmium	DW	MN	
SDWP	EPA 200.8	Chromium	DW	MN	
SDWP	EPA 200.8	Copper	DW	MN	
SDWP	EPA 200.8	Lead	DW	MN	
SDWP	EPA 200.8	Manganese	DW	MN	
SDWP	EPA 200.8	Mercury	DW	MN	
SDWP	EPA 200.8	Nickel	DW	MN	
SDWP	EPA 200.8	Silver	DW	MN	
SDWP	EPA 200.8	Thallium	DW	MN	
SDWP	EPA 200.8	Uranium	DW	MN	
SDWP	EPA 200.8	Zinc	DW	MN	

EPA 245.1

Preparation Techniques: N/A

Program	Method	Analyte	Matrix	Primary	SOP
SDWP	EPA 245.1	Mercury	DW	MN	

EPA 300.0

Preparation Techniques: N/A

Program	Method	Analyte	Matrix	Primary	SOP
SDWP	EPA 300.0	Bromide	DW	MN	
SDWP	EPA 300.0	Chloride	DW	MN	
SDWP	EPA 300.0	Fluoride	DW	MN	
SDWP	EPA 300.0	Nitrate	DW	MN	
SDWP	EPA 300.0	Nitrite	DW	MN	
SDWP	EPA 300.0	Orthophosphate as P	DW	MN	
SDWP	EPA 300.0	Sulfate	DW	MN	

Underground Storage Tank Program

EPA TO-15

Preparation Techniques: N/A

Program	Method	Analyte	Matrix	Primary	SOP
USTP	EPA TO-15	1,1,1-Trichloroethane	AIR	MN	
USTP	EPA TO-15	1,1,2,2-Tetrachloroethane	AIR	MN	
USTP	EPA TO-15	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	AIR	MN	
USTP	EPA TO-15	1,1,2-Trichloroethane	AIR	MN	
USTP	EPA TO-15	1,1-Dichloroethane	AIR	MN	
USTP	EPA TO-15	1,1-Dichloroethylene	AIR	MN	
USTP	EPA TO-15	1,2,4-Trichlorobenzene	AIR	MN	
USTP	EPA TO-15	1,2,4-Trimethylbenzene	AIR	MN	
USTP	EPA TO-15	1,2-Dibromoethane (EDB, Ethylene dibromide)	AIR	MN	
USTP	EPA TO-15	1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon-114)	AIR	MN	
USTP	EPA TO-15	1,2-Dichlorobenzene	AIR	MN	
USTP	EPA TO-15	1,2-Dichloroethane (Ethylene dichloride)	AIR	MN	

Program	Method	Analyte	Matrix	Primary	SOP
USTP	EPA TO-15	1,2-Dichloropropane	AIR	MN	
USTP	EPA TO-15	1,3,5-Trimethylbenzene	AIR	MN	
USTP	EPA TO-15	1,3-Butadiene	AIR	MN	
USTP	EPA TO-15	1,3-Dichlorobenzene	AIR	MN	
USTP	EPA TO-15	1,4-Dichlorobenzene	AIR	MN	
USTP	EPA TO-15	1-Propene	AIR	MN	
USTP	EPA TO-15	2-Butanone (Methyl ethyl ketone, MEK)	AIR	MN	
USTP	EPA TO-15	2-Hexanone	AIR	MN	
USTP	EPA TO-15	4-Ethyltoluene	AIR	MN	
USTP	EPA TO-15	4-Methyl-2-pentanone (MIBK)	AIR	MN	
USTP	EPA TO-15	Acetone	AIR	MN	
USTP	EPA TO-15	Benzene	AIR	MN	
USTP	EPA TO-15	Benzyl chloride	AIR	MN	
USTP	EPA TO-15	Bromodichloromethane	AIR	MN	
USTP	EPA TO-15	Bromoform	AIR	MN	
USTP	EPA TO-15	Carbon disulfide	AIR	MN	
USTP	EPA TO-15	Carbon tetrachloride	AIR	MN	
USTP	EPA TO-15	Chlorobenzene	AIR	MN	
USTP	EPA TO-15	Chlorodibromomethane	AIR	MN	
USTP	EPA TO-15	Chloroethane (Ethyl chloride)	AIR	MN	
USTP	EPA TO-15	Chloroform	AIR	MN	
USTP	EPA TO-15	cis-1,2-Dichloroethylene	AIR	MN	
USTP	EPA TO-15	cis-1,3-Dichloropropene	AIR	MN	
USTP	EPA TO-15	Cyclohexane	AIR	MN	
USTP	EPA TO-15	Dichlorodifluoromethane (Freon-12)	AIR	MN	
USTP	EPA TO-15	Ethanol	AIR	MN	
USTP	EPA TO-15	Ethyl acetate	AIR	MN	
USTP	EPA TO-15	Ethylbenzene	AIR	MN	
USTP	EPA TO-15	Hexachlorobutadiene	AIR	MN	
USTP	EPA TO-15	Isopropyl alcohol (2-Propanol, Isopropanol)	AIR	MN	
USTP	EPA TO-15	m+p-xylene	AIR	MN	
USTP	EPA TO-15	Methyl bromide (Bromomethane)	AIR	MN	
USTP	EPA TO-15	Methyl chloride (Chloromethane)	AIR	MN	
USTP	EPA TO-15	Methyl tert-butyl ether (MTBE)	AIR	MN	
USTP	EPA TO-15	Methylene chloride (Dichloromethane)	AIR	MN	
USTP	EPA TO-15	n-Heptane	AIR	MN	

Program	Method	Analyte	Matrix	Primary	SOP
USTP	EPA TO-15	n-Hexane	AIR	MN	
USTP	EPA TO-15	Naphthalene	AIR	MN	
USTP	EPA TO-15	o-Xylene	AIR	MN	
USTP	EPA TO-15	Styrene	AIR	MN	
USTP	EPA TO-15	Tetrachloroethylene (Perchloroethylene)	AIR	MN	
USTP	EPA TO-15	Tetrahydrofuran (THF)	AIR	MN	
USTP	EPA TO-15	Toluene	AIR	MN	
USTP	EPA TO-15	trans-1,2-Dichloroethylene	AIR	MN	
USTP	EPA TO-15	trans-1,3-Dichloropropylene	AIR	MN	
USTP	EPA TO-15	Trichloroethene (Trichloroethylene)	AIR	MN	
USTP	EPA TO-15	Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	AIR	MN	
USTP	EPA TO-15	Vinyl acetate	AIR	MN	
USTP	EPA TO-15	Vinyl chloride	AIR	MN	

WI(95) DRO

Preparation Techniques: N/A

Program	Method	Analyte	Matrix	Primary	SOP
USTP	WI(95) DRO	Diesel range organics (DRO)	SCM	MN	
USTP	WI(95) DRO	Diesel range organics (DRO)	NPW	MN	

WI(95) GRO

Preparation Techniques: N/A

Program	Method	Analyte	Matrix	Primary	SOP
USTP	WI(95) GRO	Gasoline range organics (GRO)	NPW	MN	
USTP	WI(95) GRO	Gasoline range organics (GRO)	SCM	MN	

WI(95) GRO

Preparation Techniques: N/A

Program	Method	Analyte	Matrix	Primary	SOP
USTP	WI(95) GRO	Petroleum Volatile Organic Compounds (PVOC)	SCM	MN	

Program	Method	Analyte	Matrix	Primary	SOP
USTP	WI(95) GRO	Petroleum Volatile Organic Compounds (PVOC)	NPW	MN	

Note: Method beginning with "SM" refer to the approved editions of Standard methods for the Examination of Water and Wastes. Approved methods are listed in the applicable parts of Title 40 of the Code of Federal Regulations (including its subsequent Federal Register updates), MN Statutes and Rules, and state-issued permits.

United States Environmental Protection Agency

This is to certify that

Cheryl Ann Sykora

has fulfilled the requirements of the Toxic Substance Control Act (TSCA) Section 402(a)(1), and has received certification to conduct lead-based paint activities pursuant to 40 CFR Part 745.226 as a:

Risk Assessor

in areas under Indian Tribal jurisdiction in Region 8,
excluding areas under Navajo Nation Tribal jurisdiction in Region 8

This certification is valid from the date of issuance and expires on December 19, 2013.

Certification #T8-R-16121-2
Issued: May 10, 2011

Melanie L Pallman

Melanie L. Pallman, Director
Pollution Prevention,
Pesticides & Toxics Program

Region 5 Tribal Lands
RISK ASSESSOR

Certified Lead-Based
Paint Professional

Region 7 Tribal Lands
RISK ASSESSOR

Certified Lead-Based
Paint Professional

Region 8 Tribal Lands
RISK ASSESSOR

Certified Lead-Based
Paint Professional

Certification No. T5-R-16121-2

Date of Birth	Expiration Date
02/27/1952	12/19/2013

Address
499 County Rd., A
Hudson, WI 54016

Badge Holder's Name
Cheryl Ann Sykora

Badge Holder's Signature
Cheryl Sykora

If found, drop in any mailbox
Postmaster: Please return to:

US EPA
1200 Pennsylvania Ave, NW
(MC-74040T)
Washington, DC 20460
or call 1-800-424-LEAD

Certification No. T7-R-16121-2

Date of Birth	Expiration Date
02/27/1952	12/19/2013

Address
499 County Rd., A
Hudson, WI 54016

Badge Holder's Name
Cheryl Ann Sykora

Badge Holder's Signature
Cheryl Sykora

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Postmaster: Please return to:

US EPA
1200 Pennsylvania Ave, NW
(MC-74040T)
Washington, DC 20460
or call 1-800-424-LEAD

Certification No. T8-R-16121-2

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499 County Rd., A
Hudson, WI 54016

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Cheryl Ann Sykora

Badge Holder's Signature
Cheryl Sykora

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Postmaster: Please return to:

US EPA
1200 Pennsylvania Ave, NW
(MC-74040T)
Washington, DC 20460
or call 1-800-424-LEAD

Certificate No: 5LM12061202IR

Expiration Date: December 6, 2013

This is to certify that

Patricia Roettger

has attended and successfully completed an

ASBESTOS INSPECTOR

REFRESHER TRAINING COURSE

permitted by

the State of Minnesota under Minnesota Rules 4620.3702 to 4620.3722

and meets the requirements of

Section 206 of Title II of the Toxic Substances Control Act (TSCA)

conducted by

Lake States Environmental, Ltd.

in

White Bear Lake, MN on December 6, 2012

Examination Date: December 6, 2012

Lake States Environmental, Ltd
P. O. Box 645, Rice Lake, WI 54868
(800) 254-9811

Training Instructor

South Dakota
Department of Environment & Natural Resources

ASBESTOS CERTIFICATION

This is to certify that

PATRICIA ROETTGER

has successfully completed the appropriate training in accordance with ARSD 74:31 and is certified in South Dakota as an :

✓	Inspector	Expires: 12/06/2013
	Management Planner	Expires:
	Abatement Designer	Expires:
✓	Contractor/Supervisor	Expires: 11/29/2013
	Worker	Expires:

Certificate No. 5680