



C&S Companies
141 Elm Street
Suite 100
Buffalo, NY 14203
p: (716) 847-1630
f: (716) 847-1454
www.cscos.com

July 23, 2021

Major Annette Lock
Director of County Operations – Erie County
The Salvation Army
Buffalo Area Service
Buffalo, NY 14202-1197

**Re: Buffalo Salvation Army
Limited Site Characterization**

Dear Major Annette Lock:

At the request of The Salvation Army, C&S Engineers, Inc. (C&S) has prepared this Limited Site Characterization (Investigation) Report of the properties located at 954 and 1000 Main Street, Buffalo, New York (Site). The scope of services for the Investigation was based on our February 15, 2021 proposal. The location of the Site is shown on **Figure 1**.

C&S understands that based on limited environmental data available the following concerns were identified:

- On the 1951 Sanborn Fire Insurance map, a filling station was identified within the footprint of the current Salvation Army building;
- Multiple Sanborn Fire Insurance maps indicate that previous residences were located on the Site. Typically in the City of Buffalo, when these structures were demolished their foundations and basements were left in place and unregulated material was used to backfill the Site; and
- A Brownfield Cleanup was conducted at 1001 Main Street, directly across from the Site. This cleanup consisted of remediation of significant petroleum impacted soil and groundwater. C&S was the Environmental Engineer on that project.

1.0 SITE DESCRIPTION

The Site is located on Main Street in the City of Buffalo, Erie County, New York. The Site is comprised of two parcels: 954 Main Street (SBL: 100.78-6-1.1) and 1000 Main Street (SBL: 100.71-6-6.1). The two parcels comprise approximately 2.88 acres.

The Site is presented in **Figure 1**.

2.0 LIMITED SITE CHARACTERIZATION SCOPE AND OBJECTIVES

This Investigation was intended to document current subsurface conditions. The extent of the Investigation was based on our scope of services detailed in our proposal dated February 15, 2021. Our scope of services included:

Surface Soil Sampling

C&S collected four surface soil samples from areas without hardscape. Samples were analyzed for:

- Total Compound List (TCL) Semi-volatile Organic Compounds (SVOC)
- PCBs
- Target Analyte List (TAL) metals
- Mercury

Subsurface Soil Sampling

The boring program consisted of approximately 10 soil borings advanced using a direct-push drilling rig from grade to generally 12 to 16 feet below grade with one boring reaching 24 feet. Six samples were collected for:

- TCL Volatile Organic Compounds (VOC)
- TCL SVOC
- PCB
- TAL Metals
- Mercury

Groundwater Sampling

C&S anticipated to install up to two microwells based on field observations; however, due to the limitations of the drill rig, only one microwell was installed.

3.0 RESULTS

3.1 Site Geology

Soils were observed for general soil type, estimated moisture content, and other pertinent features. The soils from borings were classified in the following simplified category:

<i>Historic Fill</i>	Brown Sand and Silt mixed with rocks, crushed concrete or bricks and some coal pieces. Underneath asphalt to a depth of one to four feet.
<i>Silt and Clay</i>	Various mixes of brown Silt and/or Clay underneath Fill to approximately eight to 12 feet.
<i>Silty Sand</i>	Brown to light brown fine grain Sand with some Silt. Over eight to 12 feet below grade.

Historic Fill Material (HFM) containing clay tile, ash, concrete, metal, coal, or brick was observed in eight of the 10 soil borings.

3.2 Site Hydrogeology

Due to the tight fine-grained nature of the site soils, the drill rig used for this Investigation could not reach groundwater. Temporary monitoring well TMW-01 was installed at 24 feet bgs to collect groundwater; however, after allowing the temporary monitoring well to sit for over 24 hours no water was collected.

C&S was involved with the investigation and remediation of the 1001 Main Street BCP site, located east across Main Street. The following is known about the hydrology at the 1001 Main Street BCP site and should be considered similar to the Salvation Army Site.

Based on our understanding of conditions at a nearby property, the principal groundwater-bearing zone is likely located within the coarse sand and gravel layer that is generally present between 32 and 35 feet bgs. This layer is of variable thickness (generally six inches to three feet) but is horizontally discontinuous and is confined by the dense fine sands and silt above and below the groundwater bearing zone.

Groundwater flows from the west to the northeast, following the depositional area of the confined groundwater bearing zone.

3.3 Field Screening Results

3.3.1 Soils

No physical evidence of contamination (stains, sheens, odor) or detectable volatile organic vapors were detected in relation to the surface soil samples.

3.4 Laboratory Analytical Data

As discussed above, soil samples were collected and analyzed. Summaries of the lab data as well as complete laboratory analytical reports are provided in **Attachment A. Table 1** also summarizes the laboratory data.

3.4.1 Soil Analytical Data

6 NYCRR Part 375-6, Remediation Program Soil Cleanup Objectives (SCO), effective December 14, 2006, includes SCOs that are based on protection of human health, groundwater, and ecological resources. The SCOs are based on the following site uses.

Unrestricted Use: This land use category is intended for use for any purpose.

Residential Use: This land use category is intended for single family housing and requires the fewest restrictions on the use of the site. It allows only two restrictions: a groundwater use restriction and / or a prohibition against producing animal products for human consumption.

Restricted-Residential Use: This land use category is intended for apartments, condominium, co-operative or other multi-family / common property control residential development. In addition to the restrictions for residential use, this use prohibits vegetable gardens, unless planted in gardens where the soil achieves the residential use soil cleanup objectives; and a prohibition of single-family housing. Restricted-Residential use is the appropriate use category for the following:

- Day care or other child care facilities;
- Elementary or secondary schools; or
- College or boarding school residential buildings; and

Commercial Use: This land use category anticipates use by businesses with the primary purpose of buying, selling or trading of merchandise or services. It is the appropriate use category for:

- Health care facilities, including hospitals, clinics etc.; or
- College academic and administrative facilities.

Industrial Use: This land use anticipates use by businesses that manufacture, produce, fabricate, or assemble products.

The above described use-based SCOs are intended to apply to:

- The development and implementation of remedial programs for inactive hazardous waste disposal sites, including, but not limited to, sites listed on the national priorities list (NPL) or are being addressed by the Department of Defense or the Department of Energy.
- The development and implementation of remedial programs for the Brownfield Cleanup Program (BCP),
- The development and implementation of remedial programs for the environmental restoration program (ERP),
- The soil cleanup objectives for remedial programs, specifically under subpart 375-6.

In order to evaluate the site with respect to current and future anticipated land use, the soil laboratory data generated as part of our Investigation was generally compared to the Restricted-Residential Use SCOs listed in 6 NYCRR Part 375-6 as a means of assessing environmental conditions at the site.

Surface Soil Analytical Data

Table 1 summarizes the surface soil results. Comparison of the surface soil analytical data to the Part 375-6 SCOs indicates:

- SVOCs were detected at concentrations greater than laboratory detection limits in all four of the samples.
 - There were two benzo(k)fluoranthene concentrations that were greater than Unrestricted Use SCOs in SS-01 and SS-03.
 - There were three chrysene concentrations that were greater than Residential Use SCOs in SS-01 and SS-03.
 - The number of contaminant concentrations that were greater than Restricted-Residential Use SCOs included three in SS-01, two in SS-02, three in SS-03, and three

- in SS-04. Contaminants included benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene and indeno(1,2,3-cd)pyrene.
- The number of contaminant concentrations that were greater than Industrial Use SCOs included one in SS-01, five in SS-02, one in SS-03, and one in SS-04. Contaminants included benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, di-n-butyl phthalate and indeno(1,2,3-cd)pyrene.
- PCBs were not detected at concentrations greater than laboratory limits in all the samples.
- Metals were detected at concentrations greater than laboratory detection limits in all the samples.
 - The number of contaminant concentrations that were greater than Unrestricted Use SCOs included one in SS-01, two in SS-02, two in SS-03, and two in SS-04. Contaminants included lead and zinc.
 - Mercury concentration exceeded the Restricted Residential Use SCO in SS-02.

Subsurface Soil Analytical Data

Table 1 summarizes the subsurface soil sample results. Comparison of the subsurface soil analytical data to the Part 375-6 SCOs indicates:

- VOCs were detected at concentrations greater than laboratory detection limits all of the six samples. However, none of the concentrations exceeded a SCO.
- SVOCs were detected at concentrations greater than laboratory detection limits in three of the six samples.
 - There was benzo(k)fluoranthene concentrations that were greater than Unrestricted Use SCOs in EB-04 at 1-2 feet.
 - There were three benzo(k)fluoranthene and chrysene concentrations that were greater than Residential Use SCOs in EB-02, EB-04 and EB-05.
 - The number of contaminant concentrations that were greater than Restricted-Residential Use SCOs included four in EB-02, three in EB-04, and four in EB-05. Contaminants included benzo(a)anthracene, benzo(b)fluoranthene, dibenz(a,h)anthracene and indeno(1,2,3-cd)pyrene.
 - There was benzo(a)pyrene concentrations that were greater than Industrial Use SCOs in EB-02, EB-04 and EB-05 at one to four feet.
- PCBs were not detected at concentrations greater than laboratory limits in all the samples.
- Metals were detected at concentrations greater than laboratory detection limits and greater than at least one SCO in all of the six samples.
 - The number of contaminant concentrations that were greater than Unrestricted Use SCOs included two in EB-03, three in EB-02, three in EB-04, three in EB-05, three in EB-07 and one in EB-06. Contaminants included mercury, copper, lead and zinc.
 - Cadmium was detected at concentrations greater than the Residential Use SCO in EB-04 at one to two feet bgs.
 - Manganese was detected at concentrations greater than the Industrial Use SCO in EB-04 at one to two feet bgs.

4.0 RECOMMENDATIONS

Historic Fill Material was identified in the soil borings on both properties. The presence of HFM is common in urban environments and the types and concentrations of contaminants present within the HFM are also typical of urban environments and are above NYSDEC Residential Use criteria. The HFM is located from just below the surface to approximately two to four feet bgs. As such, it is likely that HFM will be disturbed during site development. Standard best soil management practices, such as dust control and erosion and sediment control should be instituted and any excavated material should be removed from the site and disposed at a permitted landfill.

Based on the data above, the Site appears to be a good candidate for acceptance into the BCP.

Should you have any questions regarding this letter or require additional information, please feel free to contact the undersigned.

Sincerely,

C&S ENGINEERS, INC.



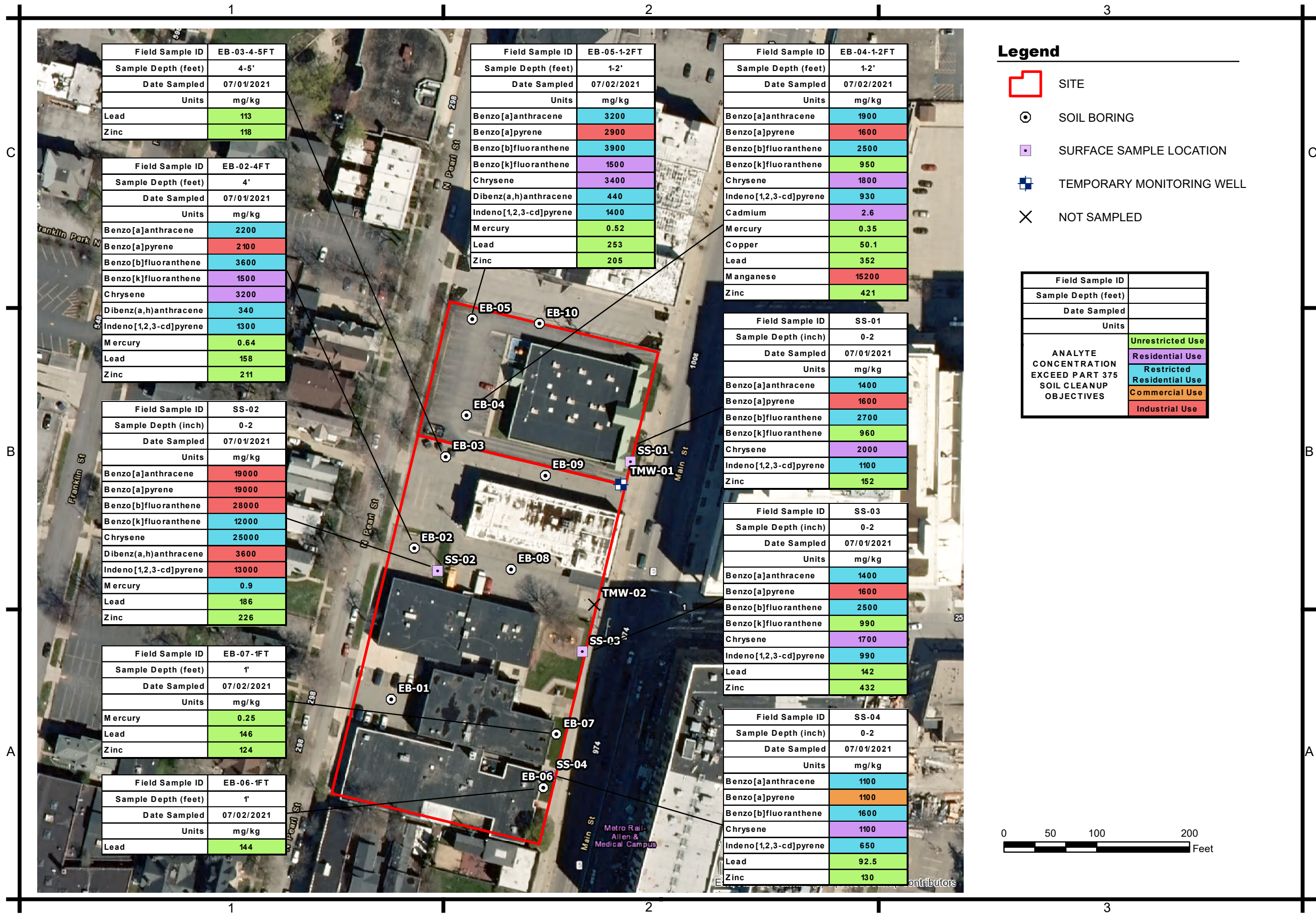
Daniel E. Riker, P.G.
Department Manager



Cody A. Martin
Project Environmental Scientist

\\\\cscos.com\\cfile\\eng\\project\\x97 - the salvation army\\x97001001 - buffalo salvation army bcp\\planning-study\\reports\\pre-bcp soil sampling.docx

FIGURES



C&S
COMPANIES®

C&S Engineers, Inc.
141 Elm Street
Buffalo, New York 14203
Phone: 716-847-1630
Fax: 716-847-1454
www.cscos.com

N

**BUFFALO SALVATION ARMY
LIMITED SITE
CHARACTERIZATION**

BUFFALO, NEW YORK

MARK	DATE	DESCRIPTION
REVISIONS		
PROJECT NO: X97.001.001		
DATE: 07/09/2021		
DRAWN BY: C. MARTIN		
DESIGNED BY: C. MARTIN		
CHECKED BY: D. RIKER		
NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 1709 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW		

SOIL RESULTS

FIGURE 1

TABLES

TABLE 1

SOIL RESULTS
BUFFALO SALVATION ARMY



Location ID						SS-01	SS-02	SS-03	SS-04	EB-03-4-5FT	EB-02-4FT	EB-04-1-2FT	EB-05-1-2FT	EB-07-1-FT	EB-06-1-2FT
Sample Depth	Unrestrict	Residential	Restricted	Commercial	Industrial	0-2"	0-2"	0-2"	0-2"	4-5'	4'	1-2'	1-2'	1'	1-2'
Date Sampled	d	Use	Residential	Use	Use	07/01/2021	07/01/2021	07/01/2021	07/01/2021	07/01/2021	07/01/2021	07/02/2021	07/02/2021	07/02/2021	07/02/2021
Sample Matrix	Use		Use			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
VOCs (ug/kg)															
1,1,1-Trichloroethane	680	100000	100000	500000	1000000					ND	vs	ND	vs	ND	vs
1,1,2,2-Tetrachloroethane										ND	vs	ND	vs	ND	vs
1,1,2-Trichloroethane										ND	vs	ND	vs	ND	vs
1,1,2-Trichloro-1,2,2-trifluoroethane										ND	vs	ND	vs	ND	vs
1,1-Dichloroethane	270	19000	26000	240000	480000					ND	vs	ND	vs	ND	vs
1,1-Dichloroethene	330	100000	100000	500000	1000000					ND	vs	ND	vs	ND	vs
1,2,4-Trichlorobenzene										ND	vs	ND	vs	ND	vs
1,2-Dibromo-3-Chloropropane										ND	vs	ND	vs	ND	vs
1,2-Dichlorobenzene	1100	100000	100000	500000	1000000					ND	vs	ND	vs	ND	vs
1,2-Dichloroethane	20	2300	3100	30000	60000					ND	vs	ND	vs	ND	vs
1,2-Dichloropropane										ND	vs	ND	vs	ND	vs
1,3-Dichlorobenzene	2400	17000	49000	280000	560000					ND	vs	ND	vs	ND	vs
1,4-Dichlorobenzene	1800	9800	13000	130000	250000					ND	vs	ND	vs	ND	vs
2-Butanone (MEK)	120	100000	100000	500000	1000000					ND	vs	ND	vs	ND	vs
2-Hexanone										ND	vs	ND	vs	ND	vs
4-Methyl-2-pentanone (MIBK)										ND	vs	ND	vs	ND	vs
Acetone	50	100000	100000	500000	1000000					ND	vs	ND	vs	ND	vs
Benzene	60	2900	4800	44000	89000					ND	vs	ND	vs	ND	vs
Bromodichloromethane										ND	vs	ND	vs	ND	vs
Bromoform										ND	vs	ND	vs	ND	vs
Bromomethane										ND	vs	ND	vs	ND	vs
Carbon disulfide										ND	vs	ND	vs	ND	vs
Carbon tetrachloride	760	1400	2400	22000	44000					ND	vs	ND	vs	ND	vs
Chlorobenzene	1100	100000	100000	500000	1000000					ND	vs	ND	vs	ND	vs
Dibromochloromethane										ND	vs	ND	vs	ND	vs
Chloroethane										ND	vs	ND	vs	ND	vs
Chloroform	370	10000	49000	350000	700000					ND	vs	ND	vs	ND	vs
Chloromethane										ND	vs	ND	vs	ND	vs
cis-1,2-Dichloroethene	250	59000	100000	500000	1000000					ND	vs	ND	vs	ND	vs
cis-1,3-Dichloropropene										ND	vs	ND	vs	ND	vs
Cyclohexane										ND	vs	ND	vs	ND	vs
Dichlorodifluoromethane										ND	vs	ND	vs	ND	vs
Ethylbenzene	1000	30000	41000	390000	780000					ND	vs	ND	vs	ND	vs
1,2-Dibromoethane										ND	vs	ND	vs	ND	vs
Isopropylbenzene										ND	vs	ND	vs	ND	vs
Methyl acetate										ND	vs	ND	vs	ND	vs
Methyl tert-butyl ether	930	62000	100000	500000	1000000					ND	vs	ND	vs	ND	vs
Methylcyclohexane										ND	vs	ND	vs	ND	vs
Methylene Chloride	50	51000	100000	500000	1000000					21	B*+vs	20	B*+vs	17	B*+vs
Styrene										ND	vs	ND	vs	ND	vs
Tetrachloroethene	1300	5500	19000	150000	300000					ND	vs	ND	vs	ND	vs
Toluene	700	100000	100000	500000	1000000					ND	vs	0.50	Jvs	0.48	Jvs
trans-1,2-Dichloroethene	190	100000	100000	500000	1000000					ND	vs	ND	vs	ND	vs
trans-1,3-Dichloropropene										ND	vs	ND	vs	ND	vs

TABLE 1

SOIL RESULTS
BUFFALO SALVATION ARMY



Location ID						SS-01	SS-02	SS-03	SS-04	EB-03-4-5FT	EB-02-4FT	EB-04-1-2FT	EB-05-1-2FT	EB-07-1-FT	EB-06-1-2FT
Sample Depth	Unrestrict	Residential	Restricted	Commercial	Industrial	0-2"	0-2"	0-2"	0-2"	4-5'	4'	1-2'	1-2'	1'	1-2'
Date Sampled	d	Use	Residential	Use	Use	07/01/2021	07/01/2021	07/01/2021	07/01/2021	07/01/2021	07/01/2021	07/02/2021	07/02/2021	07/02/2021	07/02/2021
Sample Matrix	Use		Use			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
Trichloroethene	470	10000	21000	200000	400000					26 vs	50 vs	56 vs	44 vs	15 vs	33 vs
Trichlorofluoromethane										ND vs	ND vs	ND vs	ND vs	ND vs	ND vs
Vinyl chloride	20	210	900	13000	27000					ND vs	ND vs	ND vs	ND vs	ND vs	ND vs
Xylenes, Total	260	100000	100000	500000	1000000					ND vs	ND vs	3.3 Jvs	1.2 Jvs	ND vs	ND vs
SVOCs (ug/kg)															
Biphenyl						ND	ND	ND	ND	ND	ND	ND F2	ND	ND	ND
bis (2-chloroisopropyl) ether						ND	ND	ND	ND	ND	ND	ND F2	ND	ND	ND
2,4,5-Trichlorophenol						ND	ND	ND	ND	ND	ND	ND F1	ND	ND	ND
2,4,6-Trichlorophenol						ND	ND	ND	ND	ND	ND	ND F1	ND	ND	ND
2,4-Dichlorophenol						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene						ND	ND	ND	ND	ND	ND	ND F2	ND	ND	ND
2,6-Dinitrotoluene						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene						ND	ND	ND	ND	ND	ND	ND F2	ND	ND	ND
2-Chlorophenol						ND	ND	ND	ND	ND	ND	ND F2	ND	ND	ND
2-Methylphenol	330	100000	100000	500000	1000000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene						ND	ND	ND	ND	ND	ND	ND F2	ND	ND	ND
2-Nitroaniline						ND	ND	ND	ND	ND	ND	ND F2	ND	ND	ND
2-Nitrophenol						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Nitroaniline						ND	ND	ND	ND	ND	ND	ND F2	ND	ND	ND
4,6-Dinitro-2-methylphenol						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether						ND	ND	ND	ND	ND	ND	ND F2	ND	ND	ND
4-Chloro-3-methylphenol						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline						ND	ND	ND	ND	ND	ND	ND F2	ND	ND	ND
4-Chlorophenyl phenyl ether						ND	ND	ND	ND	ND	ND	ND F2	ND	ND	ND
4-Methylphenol	330	34000	100000	500000	1000000	ND	ND	ND	ND	ND	ND	ND F2	ND	ND	ND
4-Nitroaniline						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol						ND	ND	ND	ND	ND	ND	ND F1	ND	ND	ND
Acenaphthene	20000	100000	100000	500000	1000000	ND	1300 J	ND	140 J	ND	ND	ND	500 J	ND	ND
Acenaphthylene	100000	100000	100000	500000	1000000	ND	ND	ND	ND	ND	ND	ND F2	ND	ND	ND
Acetophenone						ND	ND	ND	ND	ND	ND	ND F2	ND	ND	ND
Anthracene	100000	100000	100000	500000	1000000	ND	4600	ND	ND	ND	ND	ND F2	1000 J	ND	ND
Atrazine						ND	ND	ND	ND	ND	ND	ND F2	ND	ND	ND
Benzaldehyde						ND	ND	ND	ND	ND	ND	ND F1	ND	ND	ND
Benzo[a]anthracene	1000	1000	1000	5600	11000	1400	19000	1400 J	1100	450 J	2200	1900 JF1F2	3200	220 J	ND
Benzo[a]pyrene	1000	1000	1000	1000	1100	1600	19000	1600 J	1100	330 J	2100	1600 JF2	2900	200 J	ND
Benzo[b]fluoranthene	1000	1000	1000	5600	11000	2700	28000	2500	1600	520 J	3600	2500 JF2	3900	300 J	ND
Benzo[g,h,i]perylene	100000	100000	100000	500000	1000000	1200	14000	1100 J	730 J	ND	1400 J	1100 JF2	1800 J	130 J	ND
Benzo[k]fluoranthene	800	1000	3900	56000	110000	960	12000	990 J	540 J	ND	1500 J	950 J	1500 J	120 J	ND
Bis(2-chloroethoxy)methane						ND	ND	ND	ND	ND	ND	ND F2	ND	ND	ND
Bis(2-chloroethyl)ether						ND	ND	ND	ND	ND	ND	ND F2	ND	ND	ND
Bis(2-ethylhexyl) phthalate						380 J	ND	1600 J	470 J	ND	ND	ND F2	ND	ND	ND
Butyl benzyl phthalate						ND	ND	ND	ND	ND	ND	ND F2	ND	ND	ND

TABLE 1

SOIL RESULTS
BUFFALO SALVATION ARMY



Location ID	Unrestricted Use	Residential Use	Restricted Residential Use	Commercial Use	Industrial Use	SS-01 0-2" 07/01/2021 SO	SS-02 0-2" 07/01/2021 SO	SS-03 0-2" 07/01/2021 SO	SS-04 0-2" 07/01/2021 SO	EB-03-4-5FT 4-5' 07/01/2021 SO	EB-02-4FT 4' 07/01/2021 SO	EB-04-1-2FT 1-2' 07/02/2021 SO	EB-05-1-2FT 1-2' 07/02/2021 SO	EB-07-1-FT 1' 07/02/2021 SO	EB-06-1-2FT 1-2' 07/02/2021 SO
Caprolactam						ND	ND	ND	ND	ND	ND	ND F2	ND	ND	ND
Carbazole						120 J	2600	ND	ND	ND	610 J	ND F2	350 J	ND	ND
Chrysene	1000	1000	3900	56000	110000	2000	25000	1700 J	1100	ND	3200	1800 JF1F2	3400	ND	ND
Dibenz(a,h)anthracene	330	330	330	560	1100	310 J	3600	ND	170 J	ND	340 J	ND F2	440 J	ND	ND
Di-n-butyl phthalate						ND	ND	ND	ND	ND	ND	ND F2	ND	ND	ND
Di-n-octyl phthalate						ND	ND	ND	ND	ND	ND	ND F2	ND	ND	ND
Dibenzofuran	7000	14000	59000	350000	1000000	ND	510 J	ND	ND	ND	ND	ND F2	250 J	ND	ND
Diethyl phthalate						ND	ND	ND	ND	ND	ND	ND F2	ND	ND	ND
Dimethyl phthalate						ND	ND	ND	ND	ND	ND	ND F2	ND	ND	ND
Fluoranthene	100000	100000	100000	500000	1000000	3500	43000	3500	2400	1300 J	8800	4500 F1F2	7800	360 J	260 J
Fluorene	30000	100000	100000	500000	1000000	ND	1500 J	ND	ND	ND	ND	ND F2	390 J	ND	ND
Hexachlorobenzene	330	330	1200	6000	12000	ND	ND	ND	ND	ND	ND	ND F2	ND	ND	ND
Hexachlorobutadiene						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene						ND	ND	ND	ND	ND	ND	ND F1	ND	ND	ND
Hexachloroethane						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	500	500	500	5600	11000	1100	13000	990 J	650 J	ND	1300 J	930 JF2	1400 J	120 J	ND
Isophorone						ND	ND	ND	ND	ND	ND	ND F2	ND	ND	ND
N-Nitrosodi-n-propylamine						ND	ND	ND	ND	ND	ND	ND F2	ND	ND	ND
N-Nitrosodiphenylamine						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	12000	100000	100000	500000	1000000	ND	ND	ND	ND	ND	ND	ND F2	ND	ND	ND
Nitrobenzene						ND	ND	ND	ND	ND	ND	ND F2	ND	ND	ND
Pentachlorophenol	800	2400	6700	6700	55000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	100000	100000	100000	500000	1000000	1100	23000	1200 J	1200	340 J	4200	910 JF1F2	6800	ND	ND
Phenol	330	100000	100000	500000	1000000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	100000	100000	100000	500000	1000000	2700	35000	2600	2000	920 J	6300	3500 JF1	6700	290 J	200 J
PCBs (mg/kg)															
PCB-1016						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB-1221						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB-1232						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB-1242						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB-1248						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB-1254						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB-1260						ND	ND	ND	0.24	ND	ND	ND	ND	ND	ND
Metals (mg/kg)															
Aluminum						13400	10100	7940	9920	5570	9690	9400	9440	11400	8060
Mercury	0.18	0.81	0.81	2.8	5.7	0.065	0.90	0.089	0.093	0.10	0.64	0.10	0.52	0.25	0.16
Antimony						ND	ND	ND	ND F1	ND	ND	ND	ND	ND	ND
Arsenic	13	16	16	16	16	3.9	4.1	3.9	3.9	3.3	4.8	8.0	9.2	6.1	2.6
Barium	350	350	400	400	10000	72.8 ^6+	73.1 ^6+	49.8 ^6+	55.7 ^6+F1	66.4 ^6+	80.9 ^6+	248 ^6+	96.2 ^6+	65.0 ^6+	41.3 ^6+
Beryllium	7.2	14	72	590	2700	0.55	0.43	0.40	0.44	0.25	0.75	0.53	0.43	0.49	0.33
Cadmium	2.5	2.5	4.3	9.3	60	0.40	0.58	0.65	0.48	0.57	0.66	2.6	0.67	0.49	0.32
Calcium						16300 B	11200 B	22800 B	17000 B	51200 B	29900 B	133000 B	8910 B	4980 B	29700 B
Chromium						25.3	19.6	22.8	16.9	8.6	13.0	557	12.7	14.4	9.6
Cobalt						6.2	4.4	5.3	5.2	3.9	5.2	3.8	4.5	5.4	4.1
Copper	50	270	270	270	10000	19.7	23.8	27.2	20.5	9.6	26.0	50.1	23.7	26.8	9.6

TABLE 1

SOIL RESULTS
BUFFALO SALVATION ARMY



Location ID	Unrestrictede Use	Residential Use	Restricted Residential Use	Commercial Use	Industrial Use	SS-01 0-2" 07/01/2021 SO	SS-02 0-2" 07/01/2021 SO	SS-03 0-2" 07/01/2021 SO	SS-04 0-2" 07/01/2021 SO	EB-03-4-5FT 4-5' 07/01/2021 SO	EB-02-4FT 4' 07/01/2021 SO	EB-04-1-2FT 1-2' 07/02/2021 SO	EB-05-1-2FT 1-2' 07/02/2021 SO	EB-07-1-FT 1' 07/02/2021 SO	EB-06-1-2FT 1-2' 07/02/2021 SO
Sample Depth															
Date Sampled															
Sample Matrix															
Iron						16300 B	13300 B	14900 B	14200 B	8260 B	12700 B	54800 B	14000 B	13900 B	10400 B
Lead	63	400	400	1000	3900	53.1	186	142	92.5	113	158	352	253	146	144
Magnesium						4160 B	3370 B	8700 B	7580 F1B	9640 B	11800 B	24200 B	3080 B	3340 B	10400 B
Manganese	1600	2000	2000		10000	361 B	260 B	368 B	343 B	321 B	446 B	15200 B	473 B	291 B	260 B
Nickel	30	140	310	310	10000	18.0	13.3	13.6	13.6	7.5	11.4	15.8	10.8	12.5	9.6
Potassium						1980	1580	1600	1550 F1	1430	2080	1450	1120	1490	1210
Selenium	3.9	36	180	1500	6800	1.2 J	1.1 J	1.2 J	1.0 J	ND	0.52 J	ND	1.0 J	1.2 J	ND
Silver	2	36	180	1500	6800	ND	ND	ND	ND	ND	ND	1.2 J	ND	ND	ND
Sodium						1400	194	276	142 J	405	481	1610	852	190	149 J
Thallium						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium						25.2	20.3	18.7	21.9	12.5	19.2	152	20.1	21.7	15.7
Zinc	109	2200		10000	10000	152	226	432	130	118	211	421	205	124	103

Analytical Data compared to Part 375 Standards and DER-10

ND indicates analyte was not detected.

Blank space indicates analyte was not analyzed for in that sample.

*+ - LCS and/or LCSD is outside acceptance limits, high biased.

^6+ - Interference Check Standard (ICSA and/or ICSAB) is outside acceptance limits, high biased.

B - Compound was found in the blank and sample.

F1 - MS and/or MSD recovery exceeds control limits.

F2 - MS/MSD RPD exceeds control limits

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

vs - Reported analyte concentrations are below 200 ug/kg and may be biased low due to the sample not being collected according to 5035A-L low-level specifications.

ATTACHMET A LABORTORY ANALYTICAL REPORT

ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-186813-1

Client Project/Site: Buffalo Salvation Army

For:

C&S Engineers, Inc.
141 Elm Street
Suite 100
Buffalo, New York 14203

Attn: Cody Martin



Authorized for release by:
7/16/2021 10:46:02 AM

Judy Stone, Senior Project Manager
(484)685-0868
Judy.Stone@Eurofinset.com

LINKS

Review your project
results through

TotalAccess

Have a Question?



Visit us at:

www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

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

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	5
Detection Summary	7
Client Sample Results	14
Surrogate Summary	46
QC Sample Results	48
QC Association Summary	61
Lab Chronicle	65
Certification Summary	70
Method Summary	71
Sample Summary	72
Chain of Custody	73
Receipt Checklists	74



Definitions/Glossary

Client: C&S Engineers, Inc.
Project/Site: Buffalo Salvation Army

Job ID: 480-186813-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
vs	Reported analyte concentrations are below 200 ug/kg and may be biased low due to the sample not being collected according to 5035A- L low-level specifications.

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.

Metals

Qualifier	Qualifier Description
^6+	Interference Check Standard (ICSA and/or ICSAB) is outside acceptance limits, high biased.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
SQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points

Eurofins TestAmerica, Buffalo

Definitions/Glossary

Client: C&S Engineers, Inc.
Project/Site: Buffalo Salvation Army

Job ID: 480-186813-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15

Case Narrative

Client: C&S Engineers, Inc.
Project/Site: Buffalo Salvation Army

Job ID: 480-186813-1

Job ID: 480-186813-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative 480-186813-1

Receipt

The samples were received on 7/2/2021 12:40 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.8° C.

GC/MS VOA

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 480-588336 was outside the method criteria for the following analyte: Methylene Chloride, a known common laboratory contaminant. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte should be evaluated accordingly. The following samples are affected: EB-03-4-5FT (480-186813-5), EB-02-4FT (480-186813-6), EB-04-1-2FT (480-186813-7), EB-05-1-2FT (480-186813-8), EB-07-1-FT (480-186813-9) and EB-06-1-2FT (480-186813-10).

Method 8260C: The LCS for 480-588336 recovered outside control limits for the analyte Methylene Chloride due to laboratory contamination. The following samples are affected: EB-03-4-5FT (480-186813-5), EB-02-4FT (480-186813-6), EB-04-1-2FT (480-186813-7), EB-05-1-2FT (480-186813-8), EB-07-1-FT (480-186813-9) and EB-06-1-2FT (480-186813-10).

Method 8260C: The analyte Methylene Chloride was detected in the following samples at a level above the requested reporting limit: EB-03-4-5FT (480-186813-5), EB-02-4FT (480-186813-6), EB-04-1-2FT (480-186813-7), EB-05-1-2FT (480-186813-8), EB-07-1-FT (480-186813-9) and EB-06-1-2FT (480-186813-10). Methylene Chloride is a known lab contaminant, therefore, the sample detection for Methylene Chloride in the analysis may potentially be due to laboratory contamination and should be evaluated accordingly.

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

GC/MS Semi VOA

Method 8270D: The following samples were diluted due to color, appearance, and viscosity: SS-01 (480-186813-1), SS-02 (480-186813-2), SS-03 (480-186813-3), SS-04 (480-186813-4), EB-03-4-5FT (480-186813-5), EB-02-4FT (480-186813-6), EB-04-1-2FT (480-186813-7), EB-05-1-2FT (480-186813-8), EB-07-1-FT (480-186813-9), EB-06-1-2FT (480-186813-10), (480-186813-A-7-D MS) and (480-186813-A-7-E MSD). Elevated reporting limits (RL) are provided.

Method 8270D: The following samples were diluted due to the nature of the sample matrix: (480-186813-A-7-D MS) and (480-186813-A-7-E MSD). Because of this dilution, the surrogate spike and matrix spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Method 8270D: The following sample was diluted due to the nature of the sample matrix: EB-04-1-2FT (480-186813-7). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

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

GC Semi VOA

Method 8082A: The following samples are associated with a continuing calibration verification (CCV 480-588437/54) that had recoveries for the surrogate Tetrachloro-m-xylene above acceptance limits: EB-02-4FT (480-186813-6), EB-04-1-2FT (480-186813-7), EB-05-1-2FT (480-186813-8), EB-07-1-FT (480-186813-9) and EB-06-1-2FT (480-186813-10). The secondary surrogate Decachlorobiphenyl is within limits. Therefore, the data has been reported.

Method 8082A: The following sample was diluted due to the nature of the sample matrix: EB-04-1-2FT (480-186813-7). Elevated reporting limits (RLs) are provided.

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

Metals

Method 6010C: The interference check standard solution (ICSA) associated with the following samples showed results for Barium at a

Case Narrative

Client: C&S Engineers, Inc.
Project/Site: Buffalo Salvation Army

Job ID: 480-186813-1

Job ID: 480-186813-1 (Continued)

Laboratory: Eurofins TestAmerica, Buffalo (Continued)

level greater than 2 times the limit of detection (LOD). It is believed that the solution contains trace impurities of this element and the results are not due to matrix interference. These results are consistent with those found by the manufacturer of the ICSA solution. SS-01 (480-186813-1), SS-02 (480-186813-2), SS-03 (480-186813-3), SS-04 (480-186813-4), EB-03-4-5FT (480-186813-5), EB-02-4FT (480-186813-6), EB-04-1-2FT (480-186813-7), EB-05-1-2FT (480-186813-8), EB-07-1-FT (480-186813-9), EB-06-1-2FT (480-186813-10), (LCSSRM 480-588098/2-A), (MB 480-588098/1-A), (480-186813-B-4-B MS), (480-186813-B-4-C MSD), (480-186813-B-4-A PDS) and (480-186813-B-4-A SD ^5)

Method 6010C: The following sample was diluted due to the presence of Total Calcium which interferes with Copper: EB-04-1-2FT (480-186813-7). Elevated reporting limits (RLs) are provided.

Method 6010C: The following sample was diluted due to the presence of Total Silicon which interferes with Lead: EB-04-1-2FT (480-186813-7). Elevated reporting limits (RLs) are provided.

Method 6010C: The following sample was diluted due to the presence of Total Manganese which interferes with Silver, CHromium, Magnesium, Selenium, and Thallium: EB-04-1-2FT (480-186813-7). Elevated reporting limits (RLs) are provided.

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

Organic Prep

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

Detection Summary

Client: C&S Engineers, Inc.
Project/Site: Buffalo Salvation Army

Job ID: 480-186813-1

Client Sample ID: SS-01

Lab Sample ID: 480-186813-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	1400		920	92	ug/Kg	5	✱	8270D	Total/NA
Benzo[a]pyrene	1600		920	130	ug/Kg	5	✱	8270D	Total/NA
Benzo[b]fluoranthene	2700		920	150	ug/Kg	5	✱	8270D	Total/NA
Benzo[g,h,i]perylene	1200		920	97	ug/Kg	5	✱	8270D	Total/NA
Benzo[k]fluoranthene	960		920	120	ug/Kg	5	✱	8270D	Total/NA
Bis(2-ethylhexyl) phthalate	380	J	920	310	ug/Kg	5	✱	8270D	Total/NA
Carbazole	120	J	920	110	ug/Kg	5	✱	8270D	Total/NA
Chrysene	2000		920	200	ug/Kg	5	✱	8270D	Total/NA
Dibenz(a,h)anthracene	310	J	920	160	ug/Kg	5	✱	8270D	Total/NA
Fluoranthene	3500		920	97	ug/Kg	5	✱	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	1100		920	110	ug/Kg	5	✱	8270D	Total/NA
Phenanthrene	1100		920	130	ug/Kg	5	✱	8270D	Total/NA
Pyrene	2700		920	110	ug/Kg	5	✱	8270D	Total/NA
Aluminum	13400		10.7	4.7	mg/Kg	1	✱	6010C	Total/NA
Arsenic	3.9		2.1	0.43	mg/Kg	1	✱	6010C	Total/NA
Barium	72.8	^6+	0.54	0.12	mg/Kg	1	✱	6010C	Total/NA
Beryllium	0.55		0.21	0.030	mg/Kg	1	✱	6010C	Total/NA
Cadmium	0.40		0.21	0.032	mg/Kg	1	✱	6010C	Total/NA
Calcium	16300	B	53.5	3.5	mg/Kg	1	✱	6010C	Total/NA
Chromium	25.3		0.54	0.21	mg/Kg	1	✱	6010C	Total/NA
Cobalt	6.2		0.54	0.054	mg/Kg	1	✱	6010C	Total/NA
Copper	19.7		1.1	0.22	mg/Kg	1	✱	6010C	Total/NA
Iron	16300	B	10.7	3.7	mg/Kg	1	✱	6010C	Total/NA
Lead	53.1		1.1	0.26	mg/Kg	1	✱	6010C	Total/NA
Magnesium	4160	B	21.4	0.99	mg/Kg	1	✱	6010C	Total/NA
Manganese	361	B	0.21	0.034	mg/Kg	1	✱	6010C	Total/NA
Nickel	18.0		5.4	0.25	mg/Kg	1	✱	6010C	Total/NA
Potassium	1980		32.1	21.4	mg/Kg	1	✱	6010C	Total/NA
Selenium	1.2	J	4.3	0.43	mg/Kg	1	✱	6010C	Total/NA
Sodium	1400		150	13.9	mg/Kg	1	✱	6010C	Total/NA
Vanadium	25.2		0.54	0.12	mg/Kg	1	✱	6010C	Total/NA
Zinc	152		2.1	0.69	mg/Kg	1	✱	6010C	Total/NA
Mercury	0.065		0.022	0.0050	mg/Kg	1	✱	7471B	Total/NA

Client Sample ID: SS-02

Lab Sample ID: 480-186813-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	1300	J	1800	270	ug/Kg	10	✱	8270D	Total/NA
Anthracene	4600		1800	450	ug/Kg	10	✱	8270D	Total/NA
Benzo[a]anthracene	19000		1800	180	ug/Kg	10	✱	8270D	Total/NA
Benzo[a]pyrene	19000		1800	270	ug/Kg	10	✱	8270D	Total/NA
Benzo[b]fluoranthene	28000		1800	290	ug/Kg	10	✱	8270D	Total/NA
Benzo[g,h,i]perylene	14000		1800	190	ug/Kg	10	✱	8270D	Total/NA
Benzo[k]fluoranthene	12000		1800	240	ug/Kg	10	✱	8270D	Total/NA
Carbazole	2600		1800	210	ug/Kg	10	✱	8270D	Total/NA
Chrysene	25000		1800	410	ug/Kg	10	✱	8270D	Total/NA
Dibenz(a,h)anthracene	3600		1800	320	ug/Kg	10	✱	8270D	Total/NA
Dibenzofuran	510	J	1800	210	ug/Kg	10	✱	8270D	Total/NA
Fluoranthene	43000		1800	190	ug/Kg	10	✱	8270D	Total/NA
Fluorene	1500	J	1800	210	ug/Kg	10	✱	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	13000		1800	220	ug/Kg	10	✱	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

Client: C&S Engineers, Inc.
Project/Site: Buffalo Salvation Army

Job ID: 480-186813-1

Client Sample ID: SS-02 (Continued)

Lab Sample ID: 480-186813-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Phenanthrene	23000		1800	270	ug/Kg	10	✱	8270D	Total/NA
Pyrene	35000		1800	210	ug/Kg	10	✱	8270D	Total/NA
Aluminum	10100		11.3	5.0	mg/Kg	1	✱	6010C	Total/NA
Arsenic	4.1		2.3	0.45	mg/Kg	1	✱	6010C	Total/NA
Barium	73.1	^6+	0.56	0.12	mg/Kg	1	✱	6010C	Total/NA
Beryllium	0.43		0.23	0.032	mg/Kg	1	✱	6010C	Total/NA
Cadmium	0.58		0.23	0.034	mg/Kg	1	✱	6010C	Total/NA
Calcium	11200	B	56.4	3.7	mg/Kg	1	✱	6010C	Total/NA
Chromium	19.6		0.56	0.23	mg/Kg	1	✱	6010C	Total/NA
Cobalt	4.4		0.56	0.056	mg/Kg	1	✱	6010C	Total/NA
Copper	23.8		1.1	0.24	mg/Kg	1	✱	6010C	Total/NA
Iron	13300	B	11.3	3.9	mg/Kg	1	✱	6010C	Total/NA
Lead	186		1.1	0.27	mg/Kg	1	✱	6010C	Total/NA
Magnesium	3370	B	22.5	1.0	mg/Kg	1	✱	6010C	Total/NA
Manganese	260	B	0.23	0.036	mg/Kg	1	✱	6010C	Total/NA
Nickel	13.3		5.6	0.26	mg/Kg	1	✱	6010C	Total/NA
Potassium	1580		33.8	22.5	mg/Kg	1	✱	6010C	Total/NA
Selenium	1.1	J	4.5	0.45	mg/Kg	1	✱	6010C	Total/NA
Sodium	194		158	14.7	mg/Kg	1	✱	6010C	Total/NA
Vanadium	20.3		0.56	0.12	mg/Kg	1	✱	6010C	Total/NA
Zinc	226		2.3	0.72	mg/Kg	1	✱	6010C	Total/NA
Mercury	0.90		0.022	0.0050	mg/Kg	1	✱	7471B	Total/NA

Client Sample ID: SS-03

Lab Sample ID: 480-186813-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	1400	J	1800	180	ug/Kg	10	✱	8270D	Total/NA
Benzo[a]pyrene	1600	J	1800	270	ug/Kg	10	✱	8270D	Total/NA
Benzo[b]fluoranthene	2500		1800	290	ug/Kg	10	✱	8270D	Total/NA
Benzo[g,h,i]perylene	1100	J	1800	200	ug/Kg	10	✱	8270D	Total/NA
Benzo[k]fluoranthene	990	J	1800	240	ug/Kg	10	✱	8270D	Total/NA
Bis(2-ethylhexyl) phthalate	1600	J	1800	630	ug/Kg	10	✱	8270D	Total/NA
Chrysene	1700	J	1800	410	ug/Kg	10	✱	8270D	Total/NA
Fluoranthene	3500		1800	200	ug/Kg	10	✱	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	990	J	1800	230	ug/Kg	10	✱	8270D	Total/NA
Phenanthrene	1200	J	1800	270	ug/Kg	10	✱	8270D	Total/NA
Pyrene	2600		1800	220	ug/Kg	10	✱	8270D	Total/NA
Aluminum	7940		10.9	4.8	mg/Kg	1	✱	6010C	Total/NA
Arsenic	3.9		2.2	0.43	mg/Kg	1	✱	6010C	Total/NA
Barium	49.8	^6+	0.54	0.12	mg/Kg	1	✱	6010C	Total/NA
Beryllium	0.40		0.22	0.030	mg/Kg	1	✱	6010C	Total/NA
Cadmium	0.65		0.22	0.033	mg/Kg	1	✱	6010C	Total/NA
Calcium	22800	B	54.3	3.6	mg/Kg	1	✱	6010C	Total/NA
Chromium	22.8		0.54	0.22	mg/Kg	1	✱	6010C	Total/NA
Cobalt	5.3		0.54	0.054	mg/Kg	1	✱	6010C	Total/NA
Copper	27.2		1.1	0.23	mg/Kg	1	✱	6010C	Total/NA
Iron	14900	B	10.9	3.8	mg/Kg	1	✱	6010C	Total/NA
Lead	142		1.1	0.26	mg/Kg	1	✱	6010C	Total/NA
Magnesium	8700	B	21.7	1.0	mg/Kg	1	✱	6010C	Total/NA
Manganese	368	B	0.22	0.035	mg/Kg	1	✱	6010C	Total/NA
Nickel	13.6		5.4	0.25	mg/Kg	1	✱	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

Client: C&S Engineers, Inc.
Project/Site: Buffalo Salvation Army

Job ID: 480-186813-1

Client Sample ID: SS-03 (Continued)

Lab Sample ID: 480-186813-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Potassium	1600		32.6	21.7	mg/Kg	1	✱	6010C	Total/NA
Selenium	1.2	J	4.3	0.43	mg/Kg	1	✱	6010C	Total/NA
Sodium	276		152	14.1	mg/Kg	1	✱	6010C	Total/NA
Vanadium	18.7		0.54	0.12	mg/Kg	1	✱	6010C	Total/NA
Zinc	432		2.2	0.70	mg/Kg	1	✱	6010C	Total/NA
Mercury	0.089		0.022	0.0050	mg/Kg	1	✱	7471B	Total/NA

Client Sample ID: SS-04

Lab Sample ID: 480-186813-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	140	J	920	130	ug/Kg	5	✱	8270D	Total/NA
Benzo[a]anthracene	1100		920	92	ug/Kg	5	✱	8270D	Total/NA
Benzo[a]pyrene	1100		920	130	ug/Kg	5	✱	8270D	Total/NA
Benzo[b]fluoranthene	1600		920	150	ug/Kg	5	✱	8270D	Total/NA
Benzo[g,h,i]perylene	730	J	920	97	ug/Kg	5	✱	8270D	Total/NA
Benzo[k]fluoranthene	540	J	920	120	ug/Kg	5	✱	8270D	Total/NA
Bis(2-ethylhexyl) phthalate	470	J	920	310	ug/Kg	5	✱	8270D	Total/NA
Chrysene	1100		920	200	ug/Kg	5	✱	8270D	Total/NA
Dibenz(a,h)anthracene	170	J	920	160	ug/Kg	5	✱	8270D	Total/NA
Fluoranthene	2400		920	97	ug/Kg	5	✱	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	650	J	920	110	ug/Kg	5	✱	8270D	Total/NA
Phenanthrene	1200		920	130	ug/Kg	5	✱	8270D	Total/NA
Pyrene	2000		920	110	ug/Kg	5	✱	8270D	Total/NA
PCB-1260	0.24		0.24	0.11	mg/Kg	1	✱	8082A	Total/NA
Aluminum	9920		11.1	4.9	mg/Kg	1	✱	6010C	Total/NA
Arsenic	3.9		2.2	0.45	mg/Kg	1	✱	6010C	Total/NA
Barium	55.7	^6+ F1	0.56	0.12	mg/Kg	1	✱	6010C	Total/NA
Beryllium	0.44		0.22	0.031	mg/Kg	1	✱	6010C	Total/NA
Cadmium	0.48		0.22	0.033	mg/Kg	1	✱	6010C	Total/NA
Calcium	17000	B	55.6	3.7	mg/Kg	1	✱	6010C	Total/NA
Chromium	16.9		0.56	0.22	mg/Kg	1	✱	6010C	Total/NA
Cobalt	5.2		0.56	0.056	mg/Kg	1	✱	6010C	Total/NA
Copper	20.5		1.1	0.23	mg/Kg	1	✱	6010C	Total/NA
Iron	14200	B	11.1	3.9	mg/Kg	1	✱	6010C	Total/NA
Lead	92.5		1.1	0.27	mg/Kg	1	✱	6010C	Total/NA
Magnesium	7580	F1 B	22.3	1.0	mg/Kg	1	✱	6010C	Total/NA
Manganese	343	B	0.22	0.036	mg/Kg	1	✱	6010C	Total/NA
Nickel	13.6		5.6	0.26	mg/Kg	1	✱	6010C	Total/NA
Potassium	1550	F1	33.4	22.3	mg/Kg	1	✱	6010C	Total/NA
Selenium	1.0	J	4.5	0.45	mg/Kg	1	✱	6010C	Total/NA
Sodium	142	J	156	14.5	mg/Kg	1	✱	6010C	Total/NA
Vanadium	21.9		0.56	0.12	mg/Kg	1	✱	6010C	Total/NA
Zinc	130		2.2	0.71	mg/Kg	1	✱	6010C	Total/NA
Mercury	0.093		0.022	0.0050	mg/Kg	1	✱	7471B	Total/NA

Client Sample ID: EB-03-4-5FT

Lab Sample ID: 480-186813-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	21	B *+ vs	5.5	2.5	ug/Kg	1	✱	8260C	Total/NA
Trichloroethene	26	vs	5.5	1.2	ug/Kg	1	✱	8260C	Total/NA
Benzo[a]anthracene	450	J	1800	180	ug/Kg	10	✱	8270D	Total/NA
Benzo[a]pyrene	330	J	1800	270	ug/Kg	10	✱	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

Client: C&S Engineers, Inc.
Project/Site: Buffalo Salvation Army

Job ID: 480-186813-1

Client Sample ID: EB-03-4-5FT (Continued)

Lab Sample ID: 480-186813-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Benzo[b]fluoranthene	520	J	1800	290	ug/Kg	10	✱		8270D	Total/NA
Fluoranthene	1300	J	1800	190	ug/Kg	10	✱		8270D	Total/NA
Phenanthrene	340	J	1800	270	ug/Kg	10	✱		8270D	Total/NA
Pyrene	920	J	1800	220	ug/Kg	10	✱		8270D	Total/NA
Aluminum	5570		11.2	4.9	mg/Kg	1	✱		6010C	Total/NA
Arsenic	3.3		2.2	0.45	mg/Kg	1	✱		6010C	Total/NA
Barium	66.4	^6+	0.56	0.12	mg/Kg	1	✱		6010C	Total/NA
Beryllium	0.25		0.22	0.031	mg/Kg	1	✱		6010C	Total/NA
Cadmium	0.57		0.22	0.034	mg/Kg	1	✱		6010C	Total/NA
Calcium	51200	B	56.1	3.7	mg/Kg	1	✱		6010C	Total/NA
Chromium	8.6		0.56	0.22	mg/Kg	1	✱		6010C	Total/NA
Cobalt	3.9		0.56	0.056	mg/Kg	1	✱		6010C	Total/NA
Copper	9.6		1.1	0.24	mg/Kg	1	✱		6010C	Total/NA
Iron	8260	B	11.2	3.9	mg/Kg	1	✱		6010C	Total/NA
Lead	113		1.1	0.27	mg/Kg	1	✱		6010C	Total/NA
Magnesium	9640	B	22.4	1.0	mg/Kg	1	✱		6010C	Total/NA
Manganese	321	B	0.22	0.036	mg/Kg	1	✱		6010C	Total/NA
Nickel	7.5		5.6	0.26	mg/Kg	1	✱		6010C	Total/NA
Potassium	1430		33.7	22.4	mg/Kg	1	✱		6010C	Total/NA
Sodium	405		157	14.6	mg/Kg	1	✱		6010C	Total/NA
Vanadium	12.5		0.56	0.12	mg/Kg	1	✱		6010C	Total/NA
Zinc	118		2.2	0.72	mg/Kg	1	✱		6010C	Total/NA
Mercury	0.10		0.021	0.0049	mg/Kg	1	✱		7471B	Total/NA

Client Sample ID: EB-02-4FT

Lab Sample ID: 480-186813-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Methylene Chloride	20	B *+ vs	5.8	2.7	ug/Kg	1	✱		8260C	Total/NA
Trichloroethene	50	vs	5.8	1.3	ug/Kg	1	✱		8260C	Total/NA
Benzo[a]anthracene	2200		2000	200	ug/Kg	10	✱		8270D	Total/NA
Benzo[a]pyrene	2100		2000	290	ug/Kg	10	✱		8270D	Total/NA
Benzo[b]fluoranthene	3600		2000	310	ug/Kg	10	✱		8270D	Total/NA
Benzo[g,h,i]perylene	1400	J	2000	210	ug/Kg	10	✱		8270D	Total/NA
Benzo[k]fluoranthene	1500	J	2000	250	ug/Kg	10	✱		8270D	Total/NA
Carbazole	610	J	2000	230	ug/Kg	10	✱		8270D	Total/NA
Chrysene	3200		2000	440	ug/Kg	10	✱		8270D	Total/NA
Dibenz(a,h)anthracene	340	J	2000	340	ug/Kg	10	✱		8270D	Total/NA
Fluoranthene	8800		2000	210	ug/Kg	10	✱		8270D	Total/NA
Indeno[1,2,3-cd]pyrene	1300	J	2000	240	ug/Kg	10	✱		8270D	Total/NA
Phenanthrene	4200		2000	290	ug/Kg	10	✱		8270D	Total/NA
Pyrene	6300		2000	230	ug/Kg	10	✱		8270D	Total/NA
Aluminum	9690		12.2	5.3	mg/Kg	1	✱		6010C	Total/NA
Arsenic	4.8		2.4	0.49	mg/Kg	1	✱		6010C	Total/NA
Barium	80.9	^6+	0.61	0.13	mg/Kg	1	✱		6010C	Total/NA
Beryllium	0.75		0.24	0.034	mg/Kg	1	✱		6010C	Total/NA
Cadmium	0.66		0.24	0.036	mg/Kg	1	✱		6010C	Total/NA
Calcium	29900	B	60.8	4.0	mg/Kg	1	✱		6010C	Total/NA
Chromium	13.0		0.61	0.24	mg/Kg	1	✱		6010C	Total/NA
Cobalt	5.2		0.61	0.061	mg/Kg	1	✱		6010C	Total/NA
Copper	26.0		1.2	0.26	mg/Kg	1	✱		6010C	Total/NA
Iron	12700	B	12.2	4.3	mg/Kg	1	✱		6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

Client: C&S Engineers, Inc.
Project/Site: Buffalo Salvation Army

Job ID: 480-186813-1

Client Sample ID: EB-02-4FT (Continued)

Lab Sample ID: 480-186813-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Lead	158		1.2	0.29	mg/Kg	1	✱		6010C	Total/NA
Magnesium	11800	B	24.3	1.1	mg/Kg	1	✱		6010C	Total/NA
Manganese	446	B	0.24	0.039	mg/Kg	1	✱		6010C	Total/NA
Nickel	11.4		6.1	0.28	mg/Kg	1	✱		6010C	Total/NA
Potassium	2080		36.5	24.3	mg/Kg	1	✱		6010C	Total/NA
Selenium	0.52	J	4.9	0.49	mg/Kg	1	✱		6010C	Total/NA
Sodium	481		170	15.8	mg/Kg	1	✱		6010C	Total/NA
Vanadium	19.2		0.61	0.13	mg/Kg	1	✱		6010C	Total/NA
Zinc	211		2.4	0.78	mg/Kg	1	✱		6010C	Total/NA
Mercury	0.64		0.023	0.0052	mg/Kg	1	✱		7471B	Total/NA

Client Sample ID: EB-04-1-2FT

Lab Sample ID: 480-186813-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Ethylbenzene	0.47	J vs	5.6	0.39	ug/Kg	1	✱		8260C	Total/NA
Methylene Chloride	17	B *+ vs	5.6	2.6	ug/Kg	1	✱		8260C	Total/NA
Toluene	0.50	J vs	5.6	0.42	ug/Kg	1	✱		8260C	Total/NA
Trichloroethene	56	vs	5.6	1.2	ug/Kg	1	✱		8260C	Total/NA
Xylenes, Total	3.3	J vs	11	0.94	ug/Kg	1	✱		8260C	Total/NA
Benzo[a]anthracene	1900	J F1 F2	3800	380	ug/Kg	20	✱		8270D	Total/NA
Benzo[a]pyrene	1600	J F2	3800	560	ug/Kg	20	✱		8270D	Total/NA
Benzo[b]fluoranthene	2500	J F2	3800	600	ug/Kg	20	✱		8270D	Total/NA
Benzo[g,h,i]perylene	1100	J F2	3800	400	ug/Kg	20	✱		8270D	Total/NA
Benzo[k]fluoranthene	950	J	3800	490	ug/Kg	20	✱		8270D	Total/NA
Chrysene	1800	J F1 F2	3800	850	ug/Kg	20	✱		8270D	Total/NA
Fluoranthene	4500	F1 F2	3800	400	ug/Kg	20	✱		8270D	Total/NA
Indeno[1,2,3-cd]pyrene	930	J F2	3800	470	ug/Kg	20	✱		8270D	Total/NA
Phenanthrene	910	J F1 F2	3800	560	ug/Kg	20	✱		8270D	Total/NA
Pyrene	3500	J F1	3800	450	ug/Kg	20	✱		8270D	Total/NA
Aluminum	9400		11.6	5.1	mg/Kg	1	✱		6010C	Total/NA
Arsenic	8.0		2.3	0.47	mg/Kg	1	✱		6010C	Total/NA
Barium	248	^6+	0.58	0.13	mg/Kg	1	✱		6010C	Total/NA
Beryllium	0.53		0.23	0.033	mg/Kg	1	✱		6010C	Total/NA
Cadmium	2.6		0.23	0.035	mg/Kg	1	✱		6010C	Total/NA
Calcium	133000	B	116	7.7	mg/Kg	2	✱		6010C	Total/NA
Chromium	557		2.9	1.2	mg/Kg	5	✱		6010C	Total/NA
Cobalt	3.8		0.58	0.058	mg/Kg	1	✱		6010C	Total/NA
Copper	50.1		2.3	0.49	mg/Kg	2	✱		6010C	Total/NA
Iron	54800	B	11.6	4.1	mg/Kg	1	✱		6010C	Total/NA
Lead	352		2.3	0.56	mg/Kg	2	✱		6010C	Total/NA
Magnesium	24200	B	116	5.4	mg/Kg	5	✱		6010C	Total/NA
Manganese	15200	B	1.2	0.19	mg/Kg	5	✱		6010C	Total/NA
Nickel	15.8		5.8	0.27	mg/Kg	1	✱		6010C	Total/NA
Potassium	1450		34.9	23.3	mg/Kg	1	✱		6010C	Total/NA
Silver	1.2	J	3.5	1.2	mg/Kg	5	✱		6010C	Total/NA
Sodium	1610		163	15.1	mg/Kg	1	✱		6010C	Total/NA
Vanadium	152		0.58	0.13	mg/Kg	1	✱		6010C	Total/NA
Zinc	421		2.3	0.74	mg/Kg	1	✱		6010C	Total/NA
Mercury	0.10		0.021	0.0049	mg/Kg	1	✱		7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

Client: C&S Engineers, Inc.
Project/Site: Buffalo Salvation Army

Job ID: 480-186813-1

Client Sample ID: EB-05-1-2FT

Lab Sample ID: 480-186813-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	15	B *+ vs	5.8	2.7	ug/Kg	1	✱	8260C	Total/NA
Toluene	0.48	J vs	5.8	0.44	ug/Kg	1	✱	8260C	Total/NA
Trichloroethene	44	vs	5.8	1.3	ug/Kg	1	✱	8260C	Total/NA
Xylenes, Total	1.2	J vs	12	0.98	ug/Kg	1	✱	8260C	Total/NA
Acenaphthene	500	J	1900	290	ug/Kg	10	✱	8270D	Total/NA
Anthracene	1000	J	1900	480	ug/Kg	10	✱	8270D	Total/NA
Benzo[a]anthracene	3200		1900	190	ug/Kg	10	✱	8270D	Total/NA
Benzo[a]pyrene	2900		1900	290	ug/Kg	10	✱	8270D	Total/NA
Benzo[b]fluoranthene	3900		1900	310	ug/Kg	10	✱	8270D	Total/NA
Benzo[g,h,i]perylene	1800	J	1900	210	ug/Kg	10	✱	8270D	Total/NA
Benzo[k]fluoranthene	1500	J	1900	250	ug/Kg	10	✱	8270D	Total/NA
Carbazole	350	J	1900	230	ug/Kg	10	✱	8270D	Total/NA
Chrysene	3400		1900	430	ug/Kg	10	✱	8270D	Total/NA
Dibenz(a,h)anthracene	440	J	1900	340	ug/Kg	10	✱	8270D	Total/NA
Dibenzofuran	250	J	1900	230	ug/Kg	10	✱	8270D	Total/NA
Fluoranthene	7800		1900	210	ug/Kg	10	✱	8270D	Total/NA
Fluorene	390	J	1900	230	ug/Kg	10	✱	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	1400	J	1900	240	ug/Kg	10	✱	8270D	Total/NA
Phenanthrene	6800		1900	290	ug/Kg	10	✱	8270D	Total/NA
Pyrene	6700		1900	230	ug/Kg	10	✱	8270D	Total/NA
Aluminum	9440		11.7	5.2	mg/Kg	1	✱	6010C	Total/NA
Arsenic	9.2		2.3	0.47	mg/Kg	1	✱	6010C	Total/NA
Barium	96.2	^6+	0.59	0.13	mg/Kg	1	✱	6010C	Total/NA
Beryllium	0.43		0.23	0.033	mg/Kg	1	✱	6010C	Total/NA
Cadmium	0.67		0.23	0.035	mg/Kg	1	✱	6010C	Total/NA
Calcium	8910	B	58.6	3.9	mg/Kg	1	✱	6010C	Total/NA
Chromium	12.7		0.59	0.23	mg/Kg	1	✱	6010C	Total/NA
Cobalt	4.5		0.59	0.059	mg/Kg	1	✱	6010C	Total/NA
Copper	23.7		1.2	0.25	mg/Kg	1	✱	6010C	Total/NA
Iron	14000	B	11.7	4.1	mg/Kg	1	✱	6010C	Total/NA
Lead	253		1.2	0.28	mg/Kg	1	✱	6010C	Total/NA
Magnesium	3080	B	23.5	1.1	mg/Kg	1	✱	6010C	Total/NA
Manganese	473	B	0.23	0.038	mg/Kg	1	✱	6010C	Total/NA
Nickel	10.8		5.9	0.27	mg/Kg	1	✱	6010C	Total/NA
Potassium	1120		35.2	23.5	mg/Kg	1	✱	6010C	Total/NA
Selenium	1.0	J	4.7	0.47	mg/Kg	1	✱	6010C	Total/NA
Sodium	852		164	15.2	mg/Kg	1	✱	6010C	Total/NA
Vanadium	20.1		0.59	0.13	mg/Kg	1	✱	6010C	Total/NA
Zinc	205		2.3	0.75	mg/Kg	1	✱	6010C	Total/NA
Mercury	0.52		0.020	0.0047	mg/Kg	1	✱	7471B	Total/NA

Client Sample ID: EB-07-1-FT

Lab Sample ID: 480-186813-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	13	B *+ vs	5.5	2.5	ug/Kg	1	✱	8260C	Total/NA
Trichloroethene	15	vs	5.5	1.2	ug/Kg	1	✱	8260C	Total/NA
Benzo[a]anthracene	220	J	940	94	ug/Kg	5	✱	8270D	Total/NA
Benzo[a]pyrene	200	J	940	140	ug/Kg	5	✱	8270D	Total/NA
Benzo[b]fluoranthene	300	J	940	150	ug/Kg	5	✱	8270D	Total/NA
Benzo[g,h,i]perylene	130	J	940	100	ug/Kg	5	✱	8270D	Total/NA
Benzo[k]fluoranthene	120	J	940	120	ug/Kg	5	✱	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

Client: C&S Engineers, Inc.
Project/Site: Buffalo Salvation Army

Job ID: 480-186813-1

Client Sample ID: EB-07-1-FT (Continued)

Lab Sample ID: 480-186813-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluoranthene	360	J	940	100	ug/Kg	5	✱	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	120	J	940	120	ug/Kg	5	✱	8270D	Total/NA
Pyrene	290	J	940	110	ug/Kg	5	✱	8270D	Total/NA
Aluminum	11400		11.8	5.2	mg/Kg	1	✱	6010C	Total/NA
Arsenic	6.1		2.4	0.47	mg/Kg	1	✱	6010C	Total/NA
Barium	65.0	^6+	0.59	0.13	mg/Kg	1	✱	6010C	Total/NA
Beryllium	0.49		0.24	0.033	mg/Kg	1	✱	6010C	Total/NA
Cadmium	0.49		0.24	0.035	mg/Kg	1	✱	6010C	Total/NA
Calcium	4980	B	58.9	3.9	mg/Kg	1	✱	6010C	Total/NA
Chromium	14.4		0.59	0.24	mg/Kg	1	✱	6010C	Total/NA
Cobalt	5.4		0.59	0.059	mg/Kg	1	✱	6010C	Total/NA
Copper	26.8		1.2	0.25	mg/Kg	1	✱	6010C	Total/NA
Iron	13900	B	11.8	4.1	mg/Kg	1	✱	6010C	Total/NA
Lead	146		1.2	0.28	mg/Kg	1	✱	6010C	Total/NA
Magnesium	3340	B	23.5	1.1	mg/Kg	1	✱	6010C	Total/NA
Manganese	291	B	0.24	0.038	mg/Kg	1	✱	6010C	Total/NA
Nickel	12.5		5.9	0.27	mg/Kg	1	✱	6010C	Total/NA
Potassium	1490		35.3	23.5	mg/Kg	1	✱	6010C	Total/NA
Selenium	1.2	J	4.7	0.47	mg/Kg	1	✱	6010C	Total/NA
Sodium	190		165	15.3	mg/Kg	1	✱	6010C	Total/NA
Vanadium	21.7		0.59	0.13	mg/Kg	1	✱	6010C	Total/NA
Zinc	124		2.4	0.75	mg/Kg	1	✱	6010C	Total/NA
Mercury	0.25		0.021	0.0049	mg/Kg	1	✱	7471B	Total/NA

Client Sample ID: EB-06-1-2FT

Lab Sample ID: 480-186813-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	16	B *+ vs	5.8	2.7	ug/Kg	1	✱	8260C	Total/NA
Trichloroethene	33	vs	5.8	1.3	ug/Kg	1	✱	8260C	Total/NA
Fluoranthene	260	J	980	100	ug/Kg	5	✱	8270D	Total/NA
Pyrene	200	J	980	120	ug/Kg	5	✱	8270D	Total/NA
Aluminum	8060		12.3	5.4	mg/Kg	1	✱	6010C	Total/NA
Arsenic	2.6		2.5	0.49	mg/Kg	1	✱	6010C	Total/NA
Barium	41.3	^6+	0.61	0.13	mg/Kg	1	✱	6010C	Total/NA
Beryllium	0.33		0.25	0.034	mg/Kg	1	✱	6010C	Total/NA
Cadmium	0.32		0.25	0.037	mg/Kg	1	✱	6010C	Total/NA
Calcium	29700	B	61.3	4.0	mg/Kg	1	✱	6010C	Total/NA
Chromium	9.6		0.61	0.25	mg/Kg	1	✱	6010C	Total/NA
Cobalt	4.1		0.61	0.061	mg/Kg	1	✱	6010C	Total/NA
Copper	9.6		1.2	0.26	mg/Kg	1	✱	6010C	Total/NA
Iron	10400	B	12.3	4.3	mg/Kg	1	✱	6010C	Total/NA
Lead	144		1.2	0.29	mg/Kg	1	✱	6010C	Total/NA
Magnesium	10400	B	24.5	1.1	mg/Kg	1	✱	6010C	Total/NA
Manganese	260	B	0.25	0.039	mg/Kg	1	✱	6010C	Total/NA
Nickel	9.6		6.1	0.28	mg/Kg	1	✱	6010C	Total/NA
Potassium	1210		36.8	24.5	mg/Kg	1	✱	6010C	Total/NA
Sodium	149	J	172	15.9	mg/Kg	1	✱	6010C	Total/NA
Vanadium	15.7		0.61	0.13	mg/Kg	1	✱	6010C	Total/NA
Zinc	103		2.5	0.78	mg/Kg	1	✱	6010C	Total/NA
Mercury	0.16		0.023	0.0053	mg/Kg	1	✱	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: C&S Engineers, Inc.
Project/Site: Buffalo Salvation Army

Job ID: 480-186813-1

Client Sample ID: SS-01

Lab Sample ID: 480-186813-1

Date Collected: 07/01/21 10:30

Matrix: Solid

Date Received: 07/02/21 12:40

Percent Solids: 91.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		920	130	ug/Kg	✱	07/12/21 07:49	07/13/21 18:59	5
bis (2-chloroisopropyl) ether	ND		920	180	ug/Kg	✱	07/12/21 07:49	07/13/21 18:59	5
2,4,5-Trichlorophenol	ND		920	250	ug/Kg	✱	07/12/21 07:49	07/13/21 18:59	5
2,4,6-Trichlorophenol	ND		920	180	ug/Kg	✱	07/12/21 07:49	07/13/21 18:59	5
2,4-Dichlorophenol	ND		920	97	ug/Kg	✱	07/12/21 07:49	07/13/21 18:59	5
2,4-Dimethylphenol	ND		920	220	ug/Kg	✱	07/12/21 07:49	07/13/21 18:59	5
2,4-Dinitrophenol	ND		9000	4200	ug/Kg	✱	07/12/21 07:49	07/13/21 18:59	5
2,4-Dinitrotoluene	ND		920	190	ug/Kg	✱	07/12/21 07:49	07/13/21 18:59	5
2,6-Dinitrotoluene	ND		920	110	ug/Kg	✱	07/12/21 07:49	07/13/21 18:59	5
2-Chloronaphthalene	ND		920	150	ug/Kg	✱	07/12/21 07:49	07/13/21 18:59	5
2-Chlorophenol	ND		1800	170	ug/Kg	✱	07/12/21 07:49	07/13/21 18:59	5
2-Methylphenol	ND		920	110	ug/Kg	✱	07/12/21 07:49	07/13/21 18:59	5
2-Methylnaphthalene	ND		920	180	ug/Kg	✱	07/12/21 07:49	07/13/21 18:59	5
2-Nitroaniline	ND		1800	130	ug/Kg	✱	07/12/21 07:49	07/13/21 18:59	5
2-Nitrophenol	ND		920	260	ug/Kg	✱	07/12/21 07:49	07/13/21 18:59	5
3,3'-Dichlorobenzidine	ND		1800	1100	ug/Kg	✱	07/12/21 07:49	07/13/21 18:59	5
3-Nitroaniline	ND		1800	250	ug/Kg	✱	07/12/21 07:49	07/13/21 18:59	5
4,6-Dinitro-2-methylphenol	ND		1800	920	ug/Kg	✱	07/12/21 07:49	07/13/21 18:59	5
4-Bromophenyl phenyl ether	ND		920	130	ug/Kg	✱	07/12/21 07:49	07/13/21 18:59	5
4-Chloro-3-methylphenol	ND		920	230	ug/Kg	✱	07/12/21 07:49	07/13/21 18:59	5
4-Chloroaniline	ND		920	230	ug/Kg	✱	07/12/21 07:49	07/13/21 18:59	5
4-Chlorophenyl phenyl ether	ND		920	110	ug/Kg	✱	07/12/21 07:49	07/13/21 18:59	5
4-Methylphenol	ND		1800	110	ug/Kg	✱	07/12/21 07:49	07/13/21 18:59	5
4-Nitroaniline	ND		1800	480	ug/Kg	✱	07/12/21 07:49	07/13/21 18:59	5
4-Nitrophenol	ND		1800	640	ug/Kg	✱	07/12/21 07:49	07/13/21 18:59	5
Acenaphthene	ND		920	130	ug/Kg	✱	07/12/21 07:49	07/13/21 18:59	5
Acenaphthylene	ND		920	120	ug/Kg	✱	07/12/21 07:49	07/13/21 18:59	5
Acetophenone	ND		920	120	ug/Kg	✱	07/12/21 07:49	07/13/21 18:59	5
Anthracene	ND		920	230	ug/Kg	✱	07/12/21 07:49	07/13/21 18:59	5
Atrazine	ND		920	320	ug/Kg	✱	07/12/21 07:49	07/13/21 18:59	5
Benzaldehyde	ND		920	730	ug/Kg	✱	07/12/21 07:49	07/13/21 18:59	5
Benzo[a]anthracene	1400		920	92	ug/Kg	✱	07/12/21 07:49	07/13/21 18:59	5
Benzo[a]pyrene	1600		920	130	ug/Kg	✱	07/12/21 07:49	07/13/21 18:59	5
Benzo[b]fluoranthene	2700		920	150	ug/Kg	✱	07/12/21 07:49	07/13/21 18:59	5
Benzo[g,h,i]perylene	1200		920	97	ug/Kg	✱	07/12/21 07:49	07/13/21 18:59	5
Benzo[k]fluoranthene	960		920	120	ug/Kg	✱	07/12/21 07:49	07/13/21 18:59	5
Bis(2-chloroethoxy)methane	ND		920	190	ug/Kg	✱	07/12/21 07:49	07/13/21 18:59	5
Bis(2-chloroethyl)ether	ND		920	120	ug/Kg	✱	07/12/21 07:49	07/13/21 18:59	5
Bis(2-ethylhexyl) phthalate	380	J	920	310	ug/Kg	✱	07/12/21 07:49	07/13/21 18:59	5
Butyl benzyl phthalate	ND		920	150	ug/Kg	✱	07/12/21 07:49	07/13/21 18:59	5
Caprolactam	ND		920	280	ug/Kg	✱	07/12/21 07:49	07/13/21 18:59	5
Carbazole	120	J	920	110	ug/Kg	✱	07/12/21 07:49	07/13/21 18:59	5
Chrysene	2000		920	200	ug/Kg	✱	07/12/21 07:49	07/13/21 18:59	5
Dibenz(a,h)anthracene	310	J	920	160	ug/Kg	✱	07/12/21 07:49	07/13/21 18:59	5
Di-n-butyl phthalate	ND		920	160	ug/Kg	✱	07/12/21 07:49	07/13/21 18:59	5
Di-n-octyl phthalate	ND		920	110	ug/Kg	✱	07/12/21 07:49	07/13/21 18:59	5
Dibenzofuran	ND		920	110	ug/Kg	✱	07/12/21 07:49	07/13/21 18:59	5
Diethyl phthalate	ND		920	120	ug/Kg	✱	07/12/21 07:49	07/13/21 18:59	5
Dimethyl phthalate	ND		920	110	ug/Kg	✱	07/12/21 07:49	07/13/21 18:59	5

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: C&S Engineers, Inc.
Project/Site: Buffalo Salvation Army

Job ID: 480-186813-1

Client Sample ID: SS-01

Lab Sample ID: 480-186813-1

Date Collected: 07/01/21 10:30

Matrix: Solid

Date Received: 07/02/21 12:40

Percent Solids: 91.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	3500		920	97	ug/Kg	✱	07/12/21 07:49	07/13/21 18:59	5
Fluorene	ND		920	110	ug/Kg	✱	07/12/21 07:49	07/13/21 18:59	5
Hexachlorobenzene	ND		920	120	ug/Kg	✱	07/12/21 07:49	07/13/21 18:59	5
Hexachlorobutadiene	ND		920	130	ug/Kg	✱	07/12/21 07:49	07/13/21 18:59	5
Hexachlorocyclopentadiene	ND		920	120	ug/Kg	✱	07/12/21 07:49	07/13/21 18:59	5
Hexachloroethane	ND		920	120	ug/Kg	✱	07/12/21 07:49	07/13/21 18:59	5
Indeno[1,2,3-cd]pyrene	1100		920	110	ug/Kg	✱	07/12/21 07:49	07/13/21 18:59	5
Isophorone	ND		920	190	ug/Kg	✱	07/12/21 07:49	07/13/21 18:59	5
N-Nitrosodi-n-propylamine	ND		920	160	ug/Kg	✱	07/12/21 07:49	07/13/21 18:59	5
N-Nitrosodiphenylamine	ND		920	740	ug/Kg	✱	07/12/21 07:49	07/13/21 18:59	5
Naphthalene	ND		920	120	ug/Kg	✱	07/12/21 07:49	07/13/21 18:59	5
Nitrobenzene	ND		920	100	ug/Kg	✱	07/12/21 07:49	07/13/21 18:59	5
Pentachlorophenol	ND		1800	920	ug/Kg	✱	07/12/21 07:49	07/13/21 18:59	5
Phenanthrene	1100		920	130	ug/Kg	✱	07/12/21 07:49	07/13/21 18:59	5
Phenol	ND		920	140	ug/Kg	✱	07/12/21 07:49	07/13/21 18:59	5
Pyrene	2700		920	110	ug/Kg	✱	07/12/21 07:49	07/13/21 18:59	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	86		53 - 120	07/12/21 07:49	07/13/21 18:59	5
Phenol-d5 (Surr)	90		54 - 120	07/12/21 07:49	07/13/21 18:59	5
p-Terphenyl-d14 (Surr)	105		79 - 130	07/12/21 07:49	07/13/21 18:59	5
2,4,6-Tribromophenol (Surr)	104		54 - 120	07/12/21 07:49	07/13/21 18:59	5
2-Fluorobiphenyl	101		60 - 120	07/12/21 07:49	07/13/21 18:59	5
2-Fluorophenol (Surr)	83		52 - 120	07/12/21 07:49	07/13/21 18:59	5

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.22	0.043	mg/Kg	✱	07/08/21 08:27	07/08/21 23:31	1
PCB-1221	ND		0.22	0.043	mg/Kg	✱	07/08/21 08:27	07/08/21 23:31	1
PCB-1232	ND		0.22	0.043	mg/Kg	✱	07/08/21 08:27	07/08/21 23:31	1
PCB-1242	ND		0.22	0.043	mg/Kg	✱	07/08/21 08:27	07/08/21 23:31	1
PCB-1248	ND		0.22	0.043	mg/Kg	✱	07/08/21 08:27	07/08/21 23:31	1
PCB-1254	ND		0.22	0.10	mg/Kg	✱	07/08/21 08:27	07/08/21 23:31	1
PCB-1260	ND		0.22	0.10	mg/Kg	✱	07/08/21 08:27	07/08/21 23:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	131		60 - 154	07/08/21 08:27	07/08/21 23:31	1
DCB Decachlorobiphenyl	120		65 - 174	07/08/21 08:27	07/08/21 23:31	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	13400		10.7	4.7	mg/Kg	✱	07/06/21 10:45	07/07/21 23:22	1
Antimony	ND		16.1	0.43	mg/Kg	✱	07/06/21 10:45	07/07/21 23:22	1
Arsenic	3.9		2.1	0.43	mg/Kg	✱	07/06/21 10:45	07/07/21 23:22	1
Barium	72.8	^6+	0.54	0.12	mg/Kg	✱	07/06/21 10:45	07/07/21 23:22	1
Beryllium	0.55		0.21	0.030	mg/Kg	✱	07/06/21 10:45	07/07/21 23:22	1
Cadmium	0.40		0.21	0.032	mg/Kg	✱	07/06/21 10:45	07/07/21 23:22	1
Calcium	16300	B	53.5	3.5	mg/Kg	✱	07/06/21 10:45	07/07/21 23:22	1
Chromium	25.3		0.54	0.21	mg/Kg	✱	07/06/21 10:45	07/07/21 23:22	1
Cobalt	6.2		0.54	0.054	mg/Kg	✱	07/06/21 10:45	07/07/21 23:22	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: C&S Engineers, Inc.
Project/Site: Buffalo Salvation Army

Job ID: 480-186813-1

Client Sample ID: SS-01

Lab Sample ID: 480-186813-1

Date Collected: 07/01/21 10:30

Matrix: Solid

Date Received: 07/02/21 12:40

Percent Solids: 91.5

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	19.7		1.1	0.22	mg/Kg	☆	07/06/21 10:45	07/07/21 23:22	1
Iron	16300	B	10.7	3.7	mg/Kg	☆	07/06/21 10:45	07/07/21 23:22	1
Lead	53.1		1.1	0.26	mg/Kg	☆	07/06/21 10:45	07/07/21 23:22	1
Magnesium	4160	B	21.4	0.99	mg/Kg	☆	07/06/21 10:45	07/07/21 23:22	1
Manganese	361	B	0.21	0.034	mg/Kg	☆	07/06/21 10:45	07/07/21 23:22	1
Nickel	18.0		5.4	0.25	mg/Kg	☆	07/06/21 10:45	07/07/21 23:22	1
Potassium	1980		32.1	21.4	mg/Kg	☆	07/06/21 10:45	07/07/21 23:22	1
Selenium	1.2	J	4.3	0.43	mg/Kg	☆	07/06/21 10:45	07/07/21 23:22	1
Silver	ND		0.64	0.21	mg/Kg	☆	07/06/21 10:45	07/07/21 23:22	1
Sodium	1400		150	13.9	mg/Kg	☆	07/06/21 10:45	07/07/21 23:22	1
Thallium	ND		6.4	0.32	mg/Kg	☆	07/06/21 10:45	07/07/21 23:22	1
Vanadium	25.2		0.54	0.12	mg/Kg	☆	07/06/21 10:45	07/07/21 23:22	1
Zinc	152		2.1	0.69	mg/Kg	☆	07/06/21 10:45	07/07/21 23:22	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.065		0.022	0.0050	mg/Kg	☆	07/07/21 14:28	07/07/21 16:05	1

Client Sample ID: SS-02

Lab Sample ID: 480-186813-2

Date Collected: 07/01/21 10:40

Matrix: Solid

Date Received: 07/02/21 12:40

Percent Solids: 92.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		1800	270	ug/Kg	☆	07/12/21 07:49	07/13/21 19:24	10
bis (2-chloroisopropyl) ether	ND		1800	360	ug/Kg	☆	07/12/21 07:49	07/13/21 19:24	10
2,4,5-Trichlorophenol	ND		1800	490	ug/Kg	☆	07/12/21 07:49	07/13/21 19:24	10
2,4,6-Trichlorophenol	ND		1800	360	ug/Kg	☆	07/12/21 07:49	07/13/21 19:24	10
2,4-Dichlorophenol	ND		1800	190	ug/Kg	☆	07/12/21 07:49	07/13/21 19:24	10
2,4-Dimethylphenol	ND		1800	440	ug/Kg	☆	07/12/21 07:49	07/13/21 19:24	10
2,4-Dinitrophenol	ND		18000	8400	ug/Kg	☆	07/12/21 07:49	07/13/21 19:24	10
2,4-Dinitrotoluene	ND		1800	370	ug/Kg	☆	07/12/21 07:49	07/13/21 19:24	10
2,6-Dinitrotoluene	ND		1800	210	ug/Kg	☆	07/12/21 07:49	07/13/21 19:24	10
2-Chloronaphthalene	ND		1800	300	ug/Kg	☆	07/12/21 07:49	07/13/21 19:24	10
2-Chlorophenol	ND		3500	330	ug/Kg	☆	07/12/21 07:49	07/13/21 19:24	10
2-Methylphenol	ND		1800	210	ug/Kg	☆	07/12/21 07:49	07/13/21 19:24	10
2-Methylnaphthalene	ND		1800	360	ug/Kg	☆	07/12/21 07:49	07/13/21 19:24	10
2-Nitroaniline	ND		3500	270	ug/Kg	☆	07/12/21 07:49	07/13/21 19:24	10
2-Nitrophenol	ND		1800	510	ug/Kg	☆	07/12/21 07:49	07/13/21 19:24	10
3,3'-Dichlorobenzidine	ND		3500	2100	ug/Kg	☆	07/12/21 07:49	07/13/21 19:24	10
3-Nitroaniline	ND		3500	500	ug/Kg	☆	07/12/21 07:49	07/13/21 19:24	10
4,6-Dinitro-2-methylphenol	ND		3500	1800	ug/Kg	☆	07/12/21 07:49	07/13/21 19:24	10
4-Bromophenyl phenyl ether	ND		1800	260	ug/Kg	☆	07/12/21 07:49	07/13/21 19:24	10
4-Chloro-3-methylphenol	ND		1800	450	ug/Kg	☆	07/12/21 07:49	07/13/21 19:24	10
4-Chloroaniline	ND		1800	450	ug/Kg	☆	07/12/21 07:49	07/13/21 19:24	10
4-Chlorophenyl phenyl ether	ND		1800	220	ug/Kg	☆	07/12/21 07:49	07/13/21 19:24	10
4-Methylphenol	ND		3500	210	ug/Kg	☆	07/12/21 07:49	07/13/21 19:24	10
4-Nitroaniline	ND		3500	950	ug/Kg	☆	07/12/21 07:49	07/13/21 19:24	10
4-Nitrophenol	ND		3500	1300	ug/Kg	☆	07/12/21 07:49	07/13/21 19:24	10
Acenaphthene	1300	J	1800	270	ug/Kg	☆	07/12/21 07:49	07/13/21 19:24	10

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: C&S Engineers, Inc.
Project/Site: Buffalo Salvation Army

Job ID: 480-186813-1

Client Sample ID: SS-02

Lab Sample ID: 480-186813-2

Date Collected: 07/01/21 10:40

Matrix: Solid

Date Received: 07/02/21 12:40

Percent Solids: 92.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	ND		1800	240	ug/Kg	✱	07/12/21 07:49	07/13/21 19:24	10
Acetophenone	ND		1800	250	ug/Kg	✱	07/12/21 07:49	07/13/21 19:24	10
Anthracene	4600		1800	450	ug/Kg	✱	07/12/21 07:49	07/13/21 19:24	10
Atrazine	ND		1800	630	ug/Kg	✱	07/12/21 07:49	07/13/21 19:24	10
Benzaldehyde	ND		1800	1400	ug/Kg	✱	07/12/21 07:49	07/13/21 19:24	10
Benzo[a]anthracene	19000		1800	180	ug/Kg	✱	07/12/21 07:49	07/13/21 19:24	10
Benzo[a]pyrene	19000		1800	270	ug/Kg	✱	07/12/21 07:49	07/13/21 19:24	10
Benzo[b]fluoranthene	28000		1800	290	ug/Kg	✱	07/12/21 07:49	07/13/21 19:24	10
Benzo[g,h,i]perylene	14000		1800	190	ug/Kg	✱	07/12/21 07:49	07/13/21 19:24	10
Benzo[k]fluoranthene	12000		1800	240	ug/Kg	✱	07/12/21 07:49	07/13/21 19:24	10
Bis(2-chloroethoxy)methane	ND		1800	390	ug/Kg	✱	07/12/21 07:49	07/13/21 19:24	10
Bis(2-chloroethyl)ether	ND		1800	240	ug/Kg	✱	07/12/21 07:49	07/13/21 19:24	10
Bis(2-ethylhexyl) phthalate	ND		1800	620	ug/Kg	✱	07/12/21 07:49	07/13/21 19:24	10
Butyl benzyl phthalate	ND		1800	300	ug/Kg	✱	07/12/21 07:49	07/13/21 19:24	10
Caprolactam	ND		1800	550	ug/Kg	✱	07/12/21 07:49	07/13/21 19:24	10
Carbazole	2600		1800	210	ug/Kg	✱	07/12/21 07:49	07/13/21 19:24	10
Chrysene	25000		1800	410	ug/Kg	✱	07/12/21 07:49	07/13/21 19:24	10
Dibenz(a,h)anthracene	3600		1800	320	ug/Kg	✱	07/12/21 07:49	07/13/21 19:24	10
Di-n-butyl phthalate	ND		1800	310	ug/Kg	✱	07/12/21 07:49	07/13/21 19:24	10
Di-n-octyl phthalate	ND		1800	210	ug/Kg	✱	07/12/21 07:49	07/13/21 19:24	10
Dibenzofuran	510 J		1800	210	ug/Kg	✱	07/12/21 07:49	07/13/21 19:24	10
Diethyl phthalate	ND		1800	240	ug/Kg	✱	07/12/21 07:49	07/13/21 19:24	10
Dimethyl phthalate	ND		1800	210	ug/Kg	✱	07/12/21 07:49	07/13/21 19:24	10
Fluoranthene	43000		1800	190	ug/Kg	✱	07/12/21 07:49	07/13/21 19:24	10
Fluorene	1500 J		1800	210	ug/Kg	✱	07/12/21 07:49	07/13/21 19:24	10
Hexachlorobenzene	ND		1800	250	ug/Kg	✱	07/12/21 07:49	07/13/21 19:24	10
Hexachlorobutadiene	ND		1800	270	ug/Kg	✱	07/12/21 07:49	07/13/21 19:24	10
Hexachlorocyclopentadiene	ND		1800	250	ug/Kg	✱	07/12/21 07:49	07/13/21 19:24	10
Hexachloroethane	ND		1800	240	ug/Kg	✱	07/12/21 07:49	07/13/21 19:24	10
Indeno[1,2,3-cd]pyrene	13000		1800	220	ug/Kg	✱	07/12/21 07:49	07/13/21 19:24	10
Isophorone	ND		1800	390	ug/Kg	✱	07/12/21 07:49	07/13/21 19:24	10
N-Nitrosodi-n-propylamine	ND		1800	310	ug/Kg	✱	07/12/21 07:49	07/13/21 19:24	10
N-Nitrosodiphenylamine	ND		1800	1500	ug/Kg	✱	07/12/21 07:49	07/13/21 19:24	10
Naphthalene	ND		1800	240	ug/Kg	✱	07/12/21 07:49	07/13/21 19:24	10
Nitrobenzene	ND		1800	200	ug/Kg	✱	07/12/21 07:49	07/13/21 19:24	10
Pentachlorophenol	ND		3500	1800	ug/Kg	✱	07/12/21 07:49	07/13/21 19:24	10
Phenanthrene	23000		1800	270	ug/Kg	✱	07/12/21 07:49	07/13/21 19:24	10
Phenol	ND		1800	280	ug/Kg	✱	07/12/21 07:49	07/13/21 19:24	10
Pyrene	35000		1800	210	ug/Kg	✱	07/12/21 07:49	07/13/21 19:24	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	83		53 - 120	07/12/21 07:49	07/13/21 19:24	10
Phenol-d5 (Surr)	77		54 - 120	07/12/21 07:49	07/13/21 19:24	10
p-Terphenyl-d14 (Surr)	102		79 - 130	07/12/21 07:49	07/13/21 19:24	10
2,4,6-Tribromophenol (Surr)	102		54 - 120	07/12/21 07:49	07/13/21 19:24	10
2-Fluorobiphenyl	99		60 - 120	07/12/21 07:49	07/13/21 19:24	10
2-Fluorophenol (Surr)	71		52 - 120	07/12/21 07:49	07/13/21 19:24	10

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: C&S Engineers, Inc.
Project/Site: Buffalo Salvation Army

Job ID: 480-186813-1

Client Sample ID: SS-02

Lab Sample ID: 480-186813-2

Date Collected: 07/01/21 10:40

Matrix: Solid

Date Received: 07/02/21 12:40

Percent Solids: 92.6

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.27	0.052	mg/Kg	✱	07/08/21 08:27	07/08/21 23:44	1
PCB-1221	ND		0.27	0.052	mg/Kg	✱	07/08/21 08:27	07/08/21 23:44	1
PCB-1232	ND		0.27	0.052	mg/Kg	✱	07/08/21 08:27	07/08/21 23:44	1
PCB-1242	ND		0.27	0.052	mg/Kg	✱	07/08/21 08:27	07/08/21 23:44	1
PCB-1248	ND		0.27	0.052	mg/Kg	✱	07/08/21 08:27	07/08/21 23:44	1
PCB-1254	ND		0.27	0.12	mg/Kg	✱	07/08/21 08:27	07/08/21 23:44	1
PCB-1260	ND		0.27	0.12	mg/Kg	✱	07/08/21 08:27	07/08/21 23:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	151		60 - 154	07/08/21 08:27	07/08/21 23:44	1
DCB Decachlorobiphenyl	137		65 - 174	07/08/21 08:27	07/08/21 23:44	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	10100		11.3	5.0	mg/Kg	✱	07/06/21 10:45	07/07/21 23:37	1
Antimony	ND		16.9	0.45	mg/Kg	✱	07/06/21 10:45	07/07/21 23:37	1
Arsenic	4.1		2.3	0.45	mg/Kg	✱	07/06/21 10:45	07/07/21 23:37	1
Barium	73.1	^6+	0.56	0.12	mg/Kg	✱	07/06/21 10:45	07/07/21 23:37	1
Beryllium	0.43		0.23	0.032	mg/Kg	✱	07/06/21 10:45	07/07/21 23:37	1
Cadmium	0.58		0.23	0.034	mg/Kg	✱	07/06/21 10:45	07/07/21 23:37	1
Calcium	11200	B	56.4	3.7	mg/Kg	✱	07/06/21 10:45	07/07/21 23:37	1
Chromium	19.6		0.56	0.23	mg/Kg	✱	07/06/21 10:45	07/07/21 23:37	1
Cobalt	4.4		0.56	0.056	mg/Kg	✱	07/06/21 10:45	07/07/21 23:37	1
Copper	23.8		1.1	0.24	mg/Kg	✱	07/06/21 10:45	07/07/21 23:37	1
Iron	13300	B	11.3	3.9	mg/Kg	✱	07/06/21 10:45	07/07/21 23:37	1
Lead	186		1.1	0.27	mg/Kg	✱	07/06/21 10:45	07/07/21 23:37	1
Magnesium	3370	B	22.5	1.0	mg/Kg	✱	07/06/21 10:45	07/07/21 23:37	1
Manganese	260	B	0.23	0.036	mg/Kg	✱	07/06/21 10:45	07/07/21 23:37	1
Nickel	13.3		5.6	0.26	mg/Kg	✱	07/06/21 10:45	07/07/21 23:37	1
Potassium	1580		33.8	22.5	mg/Kg	✱	07/06/21 10:45	07/07/21 23:37	1
Selenium	1.1	J	4.5	0.45	mg/Kg	✱	07/06/21 10:45	07/07/21 23:37	1
Silver	ND		0.68	0.23	mg/Kg	✱	07/06/21 10:45	07/07/21 23:37	1
Sodium	194		158	14.7	mg/Kg	✱	07/06/21 10:45	07/07/21 23:37	1
Thallium	ND		6.8	0.34	mg/Kg	✱	07/06/21 10:45	07/07/21 23:37	1
Vanadium	20.3		0.56	0.12	mg/Kg	✱	07/06/21 10:45	07/07/21 23:37	1
Zinc	226		2.3	0.72	mg/Kg	✱	07/06/21 10:45	07/07/21 23:37	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.90		0.022	0.0050	mg/Kg	✱	07/07/21 14:28	07/07/21 16:07	1

Client Sample ID: SS-03

Lab Sample ID: 480-186813-3

Date Collected: 07/01/21 10:45

Matrix: Solid

Date Received: 07/02/21 12:40

Percent Solids: 91.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		1800	270	ug/Kg	✱	07/12/21 07:49	07/13/21 19:48	10
bis (2-chloroisopropyl) ether	ND		1800	370	ug/Kg	✱	07/12/21 07:49	07/13/21 19:48	10
2,4,5-Trichlorophenol	ND		1800	500	ug/Kg	✱	07/12/21 07:49	07/13/21 19:48	10
2,4,6-Trichlorophenol	ND		1800	370	ug/Kg	✱	07/12/21 07:49	07/13/21 19:48	10

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: C&S Engineers, Inc.
Project/Site: Buffalo Salvation Army

Job ID: 480-186813-1

Client Sample ID: SS-03

Lab Sample ID: 480-186813-3

Date Collected: 07/01/21 10:45

Matrix: Solid

Date Received: 07/02/21 12:40

Percent Solids: 91.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenol	ND		1800	200	ug/Kg	✱	07/12/21 07:49	07/13/21 19:48	10
2,4-Dimethylphenol	ND		1800	440	ug/Kg	✱	07/12/21 07:49	07/13/21 19:48	10
2,4-Dinitrophenol	ND		18000	8500	ug/Kg	✱	07/12/21 07:49	07/13/21 19:48	10
2,4-Dinitrotoluene	ND		1800	380	ug/Kg	✱	07/12/21 07:49	07/13/21 19:48	10
2,6-Dinitrotoluene	ND		1800	220	ug/Kg	✱	07/12/21 07:49	07/13/21 19:48	10
2-Chloronaphthalene	ND		1800	300	ug/Kg	✱	07/12/21 07:49	07/13/21 19:48	10
2-Chlorophenol	ND		3600	340	ug/Kg	✱	07/12/21 07:49	07/13/21 19:48	10
2-Methylphenol	ND		1800	220	ug/Kg	✱	07/12/21 07:49	07/13/21 19:48	10
2-Methylnaphthalene	ND		1800	370	ug/Kg	✱	07/12/21 07:49	07/13/21 19:48	10
2-Nitroaniline	ND		3600	270	ug/Kg	✱	07/12/21 07:49	07/13/21 19:48	10
2-Nitrophenol	ND		1800	520	ug/Kg	✱	07/12/21 07:49	07/13/21 19:48	10
3,3'-Dichlorobenzidine	ND		3600	2200	ug/Kg	✱	07/12/21 07:49	07/13/21 19:48	10
3-Nitroaniline	ND		3600	510	ug/Kg	✱	07/12/21 07:49	07/13/21 19:48	10
4,6-Dinitro-2-methylphenol	ND		3600	1800	ug/Kg	✱	07/12/21 07:49	07/13/21 19:48	10
4-Bromophenyl phenyl ether	ND		1800	260	ug/Kg	✱	07/12/21 07:49	07/13/21 19:48	10
4-Chloro-3-methylphenol	ND		1800	460	ug/Kg	✱	07/12/21 07:49	07/13/21 19:48	10
4-Chloroaniline	ND		1800	460	ug/Kg	✱	07/12/21 07:49	07/13/21 19:48	10
4-Chlorophenyl phenyl ether	ND		1800	230	ug/Kg	✱	07/12/21 07:49	07/13/21 19:48	10
4-Methylphenol	ND		3600	220	ug/Kg	✱	07/12/21 07:49	07/13/21 19:48	10
4-Nitroaniline	ND		3600	960	ug/Kg	✱	07/12/21 07:49	07/13/21 19:48	10
4-Nitrophenol	ND		3600	1300	ug/Kg	✱	07/12/21 07:49	07/13/21 19:48	10
Acenaphthene	ND		1800	270	ug/Kg	✱	07/12/21 07:49	07/13/21 19:48	10
Acenaphthylene	ND		1800	240	ug/Kg	✱	07/12/21 07:49	07/13/21 19:48	10
Acetophenone	ND		1800	250	ug/Kg	✱	07/12/21 07:49	07/13/21 19:48	10
Anthracene	ND		1800	460	ug/Kg	✱	07/12/21 07:49	07/13/21 19:48	10
Atrazine	ND		1800	640	ug/Kg	✱	07/12/21 07:49	07/13/21 19:48	10
Benzaldehyde	ND		1800	1500	ug/Kg	✱	07/12/21 07:49	07/13/21 19:48	10
Benzo[a]anthracene	1400	J	1800	180	ug/Kg	✱	07/12/21 07:49	07/13/21 19:48	10
Benzo[a]pyrene	1600	J	1800	270	ug/Kg	✱	07/12/21 07:49	07/13/21 19:48	10
Benzo[b]fluoranthene	2500		1800	290	ug/Kg	✱	07/12/21 07:49	07/13/21 19:48	10
Benzo[g,h,i]perylene	1100	J	1800	200	ug/Kg	✱	07/12/21 07:49	07/13/21 19:48	10
Benzo[k]fluoranthene	990	J	1800	240	ug/Kg	✱	07/12/21 07:49	07/13/21 19:48	10
Bis(2-chloroethoxy)methane	ND		1800	390	ug/Kg	✱	07/12/21 07:49	07/13/21 19:48	10
Bis(2-chloroethyl)ether	ND		1800	240	ug/Kg	✱	07/12/21 07:49	07/13/21 19:48	10
Bis(2-ethylhexyl) phthalate	1600	J	1800	630	ug/Kg	✱	07/12/21 07:49	07/13/21 19:48	10
Butyl benzyl phthalate	ND		1800	300	ug/Kg	✱	07/12/21 07:49	07/13/21 19:48	10
Caprolactam	ND		1800	550	ug/Kg	✱	07/12/21 07:49	07/13/21 19:48	10
Carbazole	ND		1800	220	ug/Kg	✱	07/12/21 07:49	07/13/21 19:48	10
Chrysene	1700	J	1800	410	ug/Kg	✱	07/12/21 07:49	07/13/21 19:48	10
Dibenz(a,h)anthracene	ND		1800	330	ug/Kg	✱	07/12/21 07:49	07/13/21 19:48	10
Di-n-butyl phthalate	ND		1800	310	ug/Kg	✱	07/12/21 07:49	07/13/21 19:48	10
Di-n-octyl phthalate	ND		1800	220	ug/Kg	✱	07/12/21 07:49	07/13/21 19:48	10
Dibenzofuran	ND		1800	220	ug/Kg	✱	07/12/21 07:49	07/13/21 19:48	10
Diethyl phthalate	ND		1800	240	ug/Kg	✱	07/12/21 07:49	07/13/21 19:48	10
Dimethyl phthalate	ND		1800	220	ug/Kg	✱	07/12/21 07:49	07/13/21 19:48	10
Fluoranthene	3500		1800	200	ug/Kg	✱	07/12/21 07:49	07/13/21 19:48	10
Fluorene	ND		1800	220	ug/Kg	✱	07/12/21 07:49	07/13/21 19:48	10
Hexachlorobenzene	ND		1800	250	ug/Kg	✱	07/12/21 07:49	07/13/21 19:48	10
Hexachlorobutadiene	ND		1800	270	ug/Kg	✱	07/12/21 07:49	07/13/21 19:48	10

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: C&S Engineers, Inc.
Project/Site: Buffalo Salvation Army

Job ID: 480-186813-1

Client Sample ID: SS-03

Lab Sample ID: 480-186813-3

Date Collected: 07/01/21 10:45

Matrix: Solid

Date Received: 07/02/21 12:40

Percent Solids: 91.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		1800	250	ug/Kg	✱	07/12/21 07:49	07/13/21 19:48	10
Hexachloroethane	ND		1800	240	ug/Kg	✱	07/12/21 07:49	07/13/21 19:48	10
Indeno[1,2,3-cd]pyrene	990	J	1800	230	ug/Kg	✱	07/12/21 07:49	07/13/21 19:48	10
Isophorone	ND		1800	390	ug/Kg	✱	07/12/21 07:49	07/13/21 19:48	10
N-Nitrosodi-n-propylamine	ND		1800	310	ug/Kg	✱	07/12/21 07:49	07/13/21 19:48	10
N-Nitrosodiphenylamine	ND		1800	1500	ug/Kg	✱	07/12/21 07:49	07/13/21 19:48	10
Naphthalene	ND		1800	240	ug/Kg	✱	07/12/21 07:49	07/13/21 19:48	10
Nitrobenzene	ND		1800	210	ug/Kg	✱	07/12/21 07:49	07/13/21 19:48	10
Pentachlorophenol	ND		3600	1800	ug/Kg	✱	07/12/21 07:49	07/13/21 19:48	10
Phenanthrene	1200	J	1800	270	ug/Kg	✱	07/12/21 07:49	07/13/21 19:48	10
Phenol	ND		1800	280	ug/Kg	✱	07/12/21 07:49	07/13/21 19:48	10
Pyrene	2600		1800	220	ug/Kg	✱	07/12/21 07:49	07/13/21 19:48	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	79		53 - 120	07/12/21 07:49	07/13/21 19:48	10
Phenol-d5 (Surr)	81		54 - 120	07/12/21 07:49	07/13/21 19:48	10
p-Terphenyl-d14 (Surr)	98		79 - 130	07/12/21 07:49	07/13/21 19:48	10
2,4,6-Tribromophenol (Surr)	103		54 - 120	07/12/21 07:49	07/13/21 19:48	10
2-Fluorobiphenyl	95		60 - 120	07/12/21 07:49	07/13/21 19:48	10
2-Fluorophenol (Surr)	76		52 - 120	07/12/21 07:49	07/13/21 19:48	10

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.23	0.046	mg/Kg	✱	07/08/21 08:27	07/08/21 23:57	1
PCB-1221	ND		0.23	0.046	mg/Kg	✱	07/08/21 08:27	07/08/21 23:57	1
PCB-1232	ND		0.23	0.046	mg/Kg	✱	07/08/21 08:27	07/08/21 23:57	1
PCB-1242	ND		0.23	0.046	mg/Kg	✱	07/08/21 08:27	07/08/21 23:57	1
PCB-1248	ND		0.23	0.046	mg/Kg	✱	07/08/21 08:27	07/08/21 23:57	1
PCB-1254	ND		0.23	0.11	mg/Kg	✱	07/08/21 08:27	07/08/21 23:57	1
PCB-1260	ND		0.23	0.11	mg/Kg	✱	07/08/21 08:27	07/08/21 23:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	140		60 - 154	07/08/21 08:27	07/08/21 23:57	1
DCB Decachlorobiphenyl	129		65 - 174	07/08/21 08:27	07/08/21 23:57	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7940		10.9	4.8	mg/Kg	✱	07/06/21 10:45	07/07/21 23:41	1
Antimony	ND		16.3	0.43	mg/Kg	✱	07/06/21 10:45	07/07/21 23:41	1
Arsenic	3.9		2.2	0.43	mg/Kg	✱	07/06/21 10:45	07/07/21 23:41	1
Barium	49.8	^6+	0.54	0.12	mg/Kg	✱	07/06/21 10:45	07/07/21 23:41	1
Beryllium	0.40		0.22	0.030	mg/Kg	✱	07/06/21 10:45	07/07/21 23:41	1
Cadmium	0.65		0.22	0.033	mg/Kg	✱	07/06/21 10:45	07/07/21 23:41	1
Calcium	22800	B	54.3	3.6	mg/Kg	✱	07/06/21 10:45	07/07/21 23:41	1
Chromium	22.8		0.54	0.22	mg/Kg	✱	07/06/21 10:45	07/07/21 23:41	1
Cobalt	5.3		0.54	0.054	mg/Kg	✱	07/06/21 10:45	07/07/21 23:41	1
Copper	27.2		1.1	0.23	mg/Kg	✱	07/06/21 10:45	07/07/21 23:41	1
Iron	14900	B	10.9	3.8	mg/Kg	✱	07/06/21 10:45	07/07/21 23:41	1
Lead	142		1.1	0.26	mg/Kg	✱	07/06/21 10:45	07/07/21 23:41	1
Magnesium	8700	B	21.7	1.0	mg/Kg	✱	07/06/21 10:45	07/07/21 23:41	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: C&S Engineers, Inc.
Project/Site: Buffalo Salvation Army

Job ID: 480-186813-1

Client Sample ID: SS-03

Lab Sample ID: 480-186813-3

Date Collected: 07/01/21 10:45

Matrix: Solid

Date Received: 07/02/21 12:40

Percent Solids: 91.5

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	368	B	0.22	0.035	mg/Kg	☆	07/06/21 10:45	07/07/21 23:41	1
Nickel	13.6		5.4	0.25	mg/Kg	☆	07/06/21 10:45	07/07/21 23:41	1
Potassium	1600		32.6	21.7	mg/Kg	☆	07/06/21 10:45	07/07/21 23:41	1
Selenium	1.2	J	4.3	0.43	mg/Kg	☆	07/06/21 10:45	07/07/21 23:41	1
Silver	ND		0.65	0.22	mg/Kg	☆	07/06/21 10:45	07/07/21 23:41	1
Sodium	276		152	14.1	mg/Kg	☆	07/06/21 10:45	07/07/21 23:41	1
Thallium	ND		6.5	0.33	mg/Kg	☆	07/06/21 10:45	07/07/21 23:41	1
Vanadium	18.7		0.54	0.12	mg/Kg	☆	07/06/21 10:45	07/07/21 23:41	1
Zinc	432		2.2	0.70	mg/Kg	☆	07/06/21 10:45	07/07/21 23:41	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.089		0.022	0.0050	mg/Kg	☆	07/07/21 14:28	07/07/21 16:08	1

Client Sample ID: SS-04

Lab Sample ID: 480-186813-4

Date Collected: 07/01/21 10:50

Matrix: Solid

Date Received: 07/02/21 12:40

Percent Solids: 92.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		920	130	ug/Kg	☆	07/12/21 07:49	07/13/21 20:12	5
bis (2-chloroisopropyl) ether	ND		920	180	ug/Kg	☆	07/12/21 07:49	07/13/21 20:12	5
2,4,5-Trichlorophenol	ND		920	250	ug/Kg	☆	07/12/21 07:49	07/13/21 20:12	5
2,4,6-Trichlorophenol	ND		920	180	ug/Kg	☆	07/12/21 07:49	07/13/21 20:12	5
2,4-Dichlorophenol	ND		920	97	ug/Kg	☆	07/12/21 07:49	07/13/21 20:12	5
2,4-Dimethylphenol	ND		920	220	ug/Kg	☆	07/12/21 07:49	07/13/21 20:12	5
2,4-Dinitrophenol	ND		8900	4200	ug/Kg	☆	07/12/21 07:49	07/13/21 20:12	5
2,4-Dinitrotoluene	ND		920	190	ug/Kg	☆	07/12/21 07:49	07/13/21 20:12	5
2,6-Dinitrotoluene	ND		920	110	ug/Kg	☆	07/12/21 07:49	07/13/21 20:12	5
2-Chloronaphthalene	ND		920	150	ug/Kg	☆	07/12/21 07:49	07/13/21 20:12	5
2-Chlorophenol	ND		1800	170	ug/Kg	☆	07/12/21 07:49	07/13/21 20:12	5
2-Methylphenol	ND		920	110	ug/Kg	☆	07/12/21 07:49	07/13/21 20:12	5
2-Methylnaphthalene	ND		920	180	ug/Kg	☆	07/12/21 07:49	07/13/21 20:12	5
2-Nitroaniline	ND		1800	130	ug/Kg	☆	07/12/21 07:49	07/13/21 20:12	5
2-Nitrophenol	ND		920	260	ug/Kg	☆	07/12/21 07:49	07/13/21 20:12	5
3,3'-Dichlorobenzidine	ND		1800	1100	ug/Kg	☆	07/12/21 07:49	07/13/21 20:12	5
3-Nitroaniline	ND		1800	250	ug/Kg	☆	07/12/21 07:49	07/13/21 20:12	5
4,6-Dinitro-2-methylphenol	ND		1800	920	ug/Kg	☆	07/12/21 07:49	07/13/21 20:12	5
4-Bromophenyl phenyl ether	ND		920	130	ug/Kg	☆	07/12/21 07:49	07/13/21 20:12	5
4-Chloro-3-methylphenol	ND		920	230	ug/Kg	☆	07/12/21 07:49	07/13/21 20:12	5
4-Chloroaniline	ND		920	230	ug/Kg	☆	07/12/21 07:49	07/13/21 20:12	5
4-Chlorophenyl phenyl ether	ND		920	110	ug/Kg	☆	07/12/21 07:49	07/13/21 20:12	5
4-Methylphenol	ND		1800	110	ug/Kg	☆	07/12/21 07:49	07/13/21 20:12	5
4-Nitroaniline	ND		1800	480	ug/Kg	☆	07/12/21 07:49	07/13/21 20:12	5
4-Nitrophenol	ND		1800	640	ug/Kg	☆	07/12/21 07:49	07/13/21 20:12	5
Acenaphthene	140	J	920	130	ug/Kg	☆	07/12/21 07:49	07/13/21 20:12	5
Acenaphthylene	ND		920	120	ug/Kg	☆	07/12/21 07:49	07/13/21 20:12	5
Acetophenone	ND		920	120	ug/Kg	☆	07/12/21 07:49	07/13/21 20:12	5
Anthracene	ND		920	230	ug/Kg	☆	07/12/21 07:49	07/13/21 20:12	5
Atrazine	ND		920	320	ug/Kg	☆	07/12/21 07:49	07/13/21 20:12	5

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: C&S Engineers, Inc.
Project/Site: Buffalo Salvation Army

Job ID: 480-186813-1

Client Sample ID: SS-04

Lab Sample ID: 480-186813-4

Date Collected: 07/01/21 10:50

Matrix: Solid

Date Received: 07/02/21 12:40

Percent Solids: 92.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzaldehyde	ND		920	730	ug/Kg	✱	07/12/21 07:49	07/13/21 20:12	5
Benzo[a]anthracene	1100		920	92	ug/Kg	✱	07/12/21 07:49	07/13/21 20:12	5
Benzo[a]pyrene	1100		920	130	ug/Kg	✱	07/12/21 07:49	07/13/21 20:12	5
Benzo[b]fluoranthene	1600		920	150	ug/Kg	✱	07/12/21 07:49	07/13/21 20:12	5
Benzo[g,h,i]perylene	730 J		920	97	ug/Kg	✱	07/12/21 07:49	07/13/21 20:12	5
Benzo[k]fluoranthene	540 J		920	120	ug/Kg	✱	07/12/21 07:49	07/13/21 20:12	5
Bis(2-chloroethoxy)methane	ND		920	190	ug/Kg	✱	07/12/21 07:49	07/13/21 20:12	5
Bis(2-chloroethyl)ether	ND		920	120	ug/Kg	✱	07/12/21 07:49	07/13/21 20:12	5
Bis(2-ethylhexyl) phthalate	470 J		920	310	ug/Kg	✱	07/12/21 07:49	07/13/21 20:12	5
Butyl benzyl phthalate	ND		920	150	ug/Kg	✱	07/12/21 07:49	07/13/21 20:12	5
Caprolactam	ND		920	270	ug/Kg	✱	07/12/21 07:49	07/13/21 20:12	5
Carbazole	ND		920	110	ug/Kg	✱	07/12/21 07:49	07/13/21 20:12	5
Chrysene	1100		920	200	ug/Kg	✱	07/12/21 07:49	07/13/21 20:12	5
Dibenz(a,h)anthracene	170 J		920	160	ug/Kg	✱	07/12/21 07:49	07/13/21 20:12	5
Di-n-butyl phthalate	ND		920	160	ug/Kg	✱	07/12/21 07:49	07/13/21 20:12	5
Di-n-octyl phthalate	ND		920	110	ug/Kg	✱	07/12/21 07:49	07/13/21 20:12	5
Dibenzofuran	ND		920	110	ug/Kg	✱	07/12/21 07:49	07/13/21 20:12	5
Diethyl phthalate	ND		920	120	ug/Kg	✱	07/12/21 07:49	07/13/21 20:12	5
Dimethyl phthalate	ND		920	110	ug/Kg	✱	07/12/21 07:49	07/13/21 20:12	5
Fluoranthene	2400		920	97	ug/Kg	✱	07/12/21 07:49	07/13/21 20:12	5
Fluorene	ND		920	110	ug/Kg	✱	07/12/21 07:49	07/13/21 20:12	5
Hexachlorobenzene	ND		920	120	ug/Kg	✱	07/12/21 07:49	07/13/21 20:12	5
Hexachlorobutadiene	ND		920	130	ug/Kg	✱	07/12/21 07:49	07/13/21 20:12	5
Hexachlorocyclopentadiene	ND		920	120	ug/Kg	✱	07/12/21 07:49	07/13/21 20:12	5
Hexachloroethane	ND		920	120	ug/Kg	✱	07/12/21 07:49	07/13/21 20:12	5
Indeno[1,2,3-cd]pyrene	650 J		920	110	ug/Kg	✱	07/12/21 07:49	07/13/21 20:12	5
Isophorone	ND		920	190	ug/Kg	✱	07/12/21 07:49	07/13/21 20:12	5
N-Nitrosodi-n-propylamine	ND		920	160	ug/Kg	✱	07/12/21 07:49	07/13/21 20:12	5
N-Nitrosodiphenylamine	ND		920	740	ug/Kg	✱	07/12/21 07:49	07/13/21 20:12	5
Naphthalene	ND		920	120	ug/Kg	✱	07/12/21 07:49	07/13/21 20:12	5
Nitrobenzene	ND		920	100	ug/Kg	✱	07/12/21 07:49	07/13/21 20:12	5
Pentachlorophenol	ND		1800	920	ug/Kg	✱	07/12/21 07:49	07/13/21 20:12	5
Phenanthrene	1200		920	130	ug/Kg	✱	07/12/21 07:49	07/13/21 20:12	5
Phenol	ND		920	140	ug/Kg	✱	07/12/21 07:49	07/13/21 20:12	5
Pyrene	2000		920	110	ug/Kg	✱	07/12/21 07:49	07/13/21 20:12	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	76		53 - 120	07/12/21 07:49	07/13/21 20:12	5
Phenol-d5 (Surr)	76		54 - 120	07/12/21 07:49	07/13/21 20:12	5
p-Terphenyl-d14 (Surr)	97		79 - 130	07/12/21 07:49	07/13/21 20:12	5
2,4,6-Tribromophenol (Surr)	88		54 - 120	07/12/21 07:49	07/13/21 20:12	5
2-Fluorobiphenyl	91		60 - 120	07/12/21 07:49	07/13/21 20:12	5
2-Fluorophenol (Surr)	73		52 - 120	07/12/21 07:49	07/13/21 20:12	5

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.24	0.046	mg/Kg	✱	07/08/21 08:27	07/09/21 00:10	1
PCB-1221	ND		0.24	0.046	mg/Kg	✱	07/08/21 08:27	07/09/21 00:10	1
PCB-1232	ND		0.24	0.046	mg/Kg	✱	07/08/21 08:27	07/09/21 00:10	1
PCB-1242	ND		0.24	0.046	mg/Kg	✱	07/08/21 08:27	07/09/21 00:10	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: C&S Engineers, Inc.
Project/Site: Buffalo Salvation Army

Job ID: 480-186813-1

Client Sample ID: SS-04

Lab Sample ID: 480-186813-4

Date Collected: 07/01/21 10:50

Matrix: Solid

Date Received: 07/02/21 12:40

Percent Solids: 92.5

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1248	ND		0.24	0.046	mg/Kg	✱	07/08/21 08:27	07/09/21 00:10	1
PCB-1254	ND		0.24	0.11	mg/Kg	✱	07/08/21 08:27	07/09/21 00:10	1
PCB-1260	0.24		0.24	0.11	mg/Kg	✱	07/08/21 08:27	07/09/21 00:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	136		60 - 154				07/08/21 08:27	07/09/21 00:10	1
DCB Decachlorobiphenyl	136		65 - 174				07/08/21 08:27	07/09/21 00:10	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	9920		11.1	4.9	mg/Kg	✱	07/06/21 10:45	07/07/21 23:44	1
Antimony	ND	F1	16.7	0.45	mg/Kg	✱	07/06/21 10:45	07/07/21 23:44	1
Arsenic	3.9		2.2	0.45	mg/Kg	✱	07/06/21 10:45	07/07/21 23:44	1
Barium	55.7	^6+ F1	0.56	0.12	mg/Kg	✱	07/06/21 10:45	07/07/21 23:44	1
Beryllium	0.44		0.22	0.031	mg/Kg	✱	07/06/21 10:45	07/07/21 23:44	1
Cadmium	0.48		0.22	0.033	mg/Kg	✱	07/06/21 10:45	07/07/21 23:44	1
Calcium	17000	B	55.6	3.7	mg/Kg	✱	07/06/21 10:45	07/07/21 23:44	1
Chromium	16.9		0.56	0.22	mg/Kg	✱	07/06/21 10:45	07/07/21 23:44	1
Cobalt	5.2		0.56	0.056	mg/Kg	✱	07/06/21 10:45	07/07/21 23:44	1
Copper	20.5		1.1	0.23	mg/Kg	✱	07/06/21 10:45	07/07/21 23:44	1
Iron	14200	B	11.1	3.9	mg/Kg	✱	07/06/21 10:45	07/07/21 23:44	1
Lead	92.5		1.1	0.27	mg/Kg	✱	07/06/21 10:45	07/07/21 23:44	1
Magnesium	7580	F1 B	22.3	1.0	mg/Kg	✱	07/06/21 10:45	07/07/21 23:44	1
Manganese	343	B	0.22	0.036	mg/Kg	✱	07/06/21 10:45	07/07/21 23:44	1
Nickel	13.6		5.6	0.26	mg/Kg	✱	07/06/21 10:45	07/07/21 23:44	1
Potassium	1550	F1	33.4	22.3	mg/Kg	✱	07/06/21 10:45	07/07/21 23:44	1
Selenium	1.0	J	4.5	0.45	mg/Kg	✱	07/06/21 10:45	07/07/21 23:44	1
Silver	ND		0.67	0.22	mg/Kg	✱	07/06/21 10:45	07/07/21 23:44	1
Sodium	142	J	156	14.5	mg/Kg	✱	07/06/21 10:45	07/07/21 23:44	1
Thallium	ND		6.7	0.33	mg/Kg	✱	07/06/21 10:45	07/07/21 23:44	1
Vanadium	21.9		0.56	0.12	mg/Kg	✱	07/06/21 10:45	07/07/21 23:44	1
Zinc	130		2.2	0.71	mg/Kg	✱	07/06/21 10:45	07/07/21 23:44	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.093		0.022	0.0050	mg/Kg	✱	07/07/21 14:28	07/07/21 16:09	1

Client Sample ID: EB-03-4-5FT

Lab Sample ID: 480-186813-5

Date Collected: 07/01/21 12:40

Matrix: Solid

Date Received: 07/02/21 12:40

Percent Solids: 90.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	vs	5.5	0.40	ug/Kg	✱	07/07/21 17:40	07/08/21 02:30	1
1,1,2,2-Tetrachloroethane	ND	vs	5.5	0.89	ug/Kg	✱	07/07/21 17:40	07/08/21 02:30	1
1,1,2-Trichloroethane	ND	vs	5.5	0.71	ug/Kg	✱	07/07/21 17:40	07/08/21 02:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	5.5	1.3	ug/Kg	✱	07/07/21 17:40	07/08/21 02:30	1
1,1-Dichloroethane	ND	vs	5.5	0.67	ug/Kg	✱	07/07/21 17:40	07/08/21 02:30	1
1,1-Dichloroethene	ND	vs	5.5	0.67	ug/Kg	✱	07/07/21 17:40	07/08/21 02:30	1
1,2,4-Trichlorobenzene	ND	vs	5.5	0.33	ug/Kg	✱	07/07/21 17:40	07/08/21 02:30	1
1,2-Dibromo-3-Chloropropane	ND	vs	5.5	2.7	ug/Kg	✱	07/07/21 17:40	07/08/21 02:30	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: C&S Engineers, Inc.
Project/Site: Buffalo Salvation Army

Job ID: 480-186813-1

Client Sample ID: EB-03-4-5FT

Lab Sample ID: 480-186813-5

Date Collected: 07/01/21 12:40

Matrix: Solid

Date Received: 07/02/21 12:40

Percent Solids: 90.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND	vs	5.5	0.43	ug/Kg	✱	07/07/21 17:40	07/08/21 02:30	1
1,2-Dichloroethane	ND	vs	5.5	0.28	ug/Kg	✱	07/07/21 17:40	07/08/21 02:30	1
1,2-Dichloropropane	ND	vs	5.5	2.7	ug/Kg	✱	07/07/21 17:40	07/08/21 02:30	1
1,3-Dichlorobenzene	ND	vs	5.5	0.28	ug/Kg	✱	07/07/21 17:40	07/08/21 02:30	1
1,4-Dichlorobenzene	ND	vs	5.5	0.77	ug/Kg	✱	07/07/21 17:40	07/08/21 02:30	1
2-Butanone (MEK)	ND	vs	27	2.0	ug/Kg	✱	07/07/21 17:40	07/08/21 02:30	1
2-Hexanone	ND	vs	27	2.7	ug/Kg	✱	07/07/21 17:40	07/08/21 02:30	1
4-Methyl-2-pentanone (MIBK)	ND	vs	27	1.8	ug/Kg	✱	07/07/21 17:40	07/08/21 02:30	1
Acetone	ND	vs	27	4.6	ug/Kg	✱	07/07/21 17:40	07/08/21 02:30	1
Benzene	ND	vs	5.5	0.27	ug/Kg	✱	07/07/21 17:40	07/08/21 02:30	1
Bromodichloromethane	ND	vs	5.5	0.74	ug/Kg	✱	07/07/21 17:40	07/08/21 02:30	1
Bromoform	ND	vs	5.5	2.7	ug/Kg	✱	07/07/21 17:40	07/08/21 02:30	1
Bromomethane	ND	vs	5.5	0.49	ug/Kg	✱	07/07/21 17:40	07/08/21 02:30	1
Carbon disulfide	ND	vs	5.5	2.7	ug/Kg	✱	07/07/21 17:40	07/08/21 02:30	1
Carbon tetrachloride	ND	vs	5.5	0.53	ug/Kg	✱	07/07/21 17:40	07/08/21 02:30	1
Chlorobenzene	ND	vs	5.5	0.72	ug/Kg	✱	07/07/21 17:40	07/08/21 02:30	1
Dibromochloromethane	ND	vs	5.5	0.70	ug/Kg	✱	07/07/21 17:40	07/08/21 02:30	1
Chloroethane	ND	vs	5.5	1.2	ug/Kg	✱	07/07/21 17:40	07/08/21 02:30	1
Chloroform	ND	vs	5.5	0.34	ug/Kg	✱	07/07/21 17:40	07/08/21 02:30	1
Chloromethane	ND	vs	5.5	0.33	ug/Kg	✱	07/07/21 17:40	07/08/21 02:30	1
cis-1,2-Dichloroethene	ND	vs	5.5	0.70	ug/Kg	✱	07/07/21 17:40	07/08/21 02:30	1
cis-1,3-Dichloropropene	ND	vs	5.5	0.79	ug/Kg	✱	07/07/21 17:40	07/08/21 02:30	1
Cyclohexane	ND	vs	5.5	0.77	ug/Kg	✱	07/07/21 17:40	07/08/21 02:30	1
Dichlorodifluoromethane	ND	vs	5.5	0.45	ug/Kg	✱	07/07/21 17:40	07/08/21 02:30	1
Ethylbenzene	ND	vs	5.5	0.38	ug/Kg	✱	07/07/21 17:40	07/08/21 02:30	1
1,2-Dibromoethane	ND	vs	5.5	0.70	ug/Kg	✱	07/07/21 17:40	07/08/21 02:30	1
Isopropylbenzene	ND	vs	5.5	0.83	ug/Kg	✱	07/07/21 17:40	07/08/21 02:30	1
Methyl acetate	ND	vs	27	3.3	ug/Kg	✱	07/07/21 17:40	07/08/21 02:30	1
Methyl tert-butyl ether	ND	vs	5.5	0.54	ug/Kg	✱	07/07/21 17:40	07/08/21 02:30	1
Methylcyclohexane	ND	vs	5.5	0.83	ug/Kg	✱	07/07/21 17:40	07/08/21 02:30	1
Methylene Chloride	21	B ** vs	5.5	2.5	ug/Kg	✱	07/07/21 17:40	07/08/21 02:30	1
Styrene	ND	vs	5.5	0.27	ug/Kg	✱	07/07/21 17:40	07/08/21 02:30	1
Tetrachloroethene	ND	vs	5.5	0.74	ug/Kg	✱	07/07/21 17:40	07/08/21 02:30	1
Toluene	ND	vs	5.5	0.41	ug/Kg	✱	07/07/21 17:40	07/08/21 02:30	1
trans-1,2-Dichloroethene	ND	vs	5.5	0.57	ug/Kg	✱	07/07/21 17:40	07/08/21 02:30	1
trans-1,3-Dichloropropene	ND	vs	5.5	2.4	ug/Kg	✱	07/07/21 17:40	07/08/21 02:30	1
Trichloroethene	26	vs	5.5	1.2	ug/Kg	✱	07/07/21 17:40	07/08/21 02:30	1
Trichlorofluoromethane	ND	vs	5.5	0.52	ug/Kg	✱	07/07/21 17:40	07/08/21 02:30	1
Vinyl chloride	ND	vs	5.5	0.67	ug/Kg	✱	07/07/21 17:40	07/08/21 02:30	1
Xylenes, Total	ND	vs	11	0.92	ug/Kg	✱	07/07/21 17:40	07/08/21 02:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		71 - 125	07/07/21 17:40	07/08/21 02:30	1
1,2-Dichloroethane-d4 (Surr)	97		64 - 126	07/07/21 17:40	07/08/21 02:30	1
4-Bromofluorobenzene (Surr)	93		72 - 126	07/07/21 17:40	07/08/21 02:30	1
Dibromofluoromethane (Surr)	99		60 - 140	07/07/21 17:40	07/08/21 02:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		1800	270	ug/Kg	✱	07/12/21 07:49	07/13/21 20:37	10

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: C&S Engineers, Inc.
Project/Site: Buffalo Salvation Army

Job ID: 480-186813-1

Client Sample ID: EB-03-4-5FT

Lab Sample ID: 480-186813-5

Date Collected: 07/01/21 12:40

Matrix: Solid

Date Received: 07/02/21 12:40

Percent Solids: 90.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
bis (2-chloroisopropyl) ether	ND		1800	370	ug/Kg	✱	07/12/21 07:49	07/13/21 20:37	10
2,4,5-Trichlorophenol	ND		1800	500	ug/Kg	✱	07/12/21 07:49	07/13/21 20:37	10
2,4,6-Trichlorophenol	ND		1800	370	ug/Kg	✱	07/12/21 07:49	07/13/21 20:37	10
2,4-Dichlorophenol	ND		1800	190	ug/Kg	✱	07/12/21 07:49	07/13/21 20:37	10
2,4-Dimethylphenol	ND		1800	440	ug/Kg	✱	07/12/21 07:49	07/13/21 20:37	10
2,4-Dinitrophenol	ND		18000	8500	ug/Kg	✱	07/12/21 07:49	07/13/21 20:37	10
2,4-Dinitrotoluene	ND		1800	380	ug/Kg	✱	07/12/21 07:49	07/13/21 20:37	10
2,6-Dinitrotoluene	ND		1800	220	ug/Kg	✱	07/12/21 07:49	07/13/21 20:37	10
2-Chloronaphthalene	ND		1800	300	ug/Kg	✱	07/12/21 07:49	07/13/21 20:37	10
2-Chlorophenol	ND		3600	330	ug/Kg	✱	07/12/21 07:49	07/13/21 20:37	10
2-Methylphenol	ND		1800	220	ug/Kg	✱	07/12/21 07:49	07/13/21 20:37	10
2-Methylnaphthalene	ND		1800	370	ug/Kg	✱	07/12/21 07:49	07/13/21 20:37	10
2-Nitroaniline	ND		3600	270	ug/Kg	✱	07/12/21 07:49	07/13/21 20:37	10
2-Nitrophenol	ND		1800	520	ug/Kg	✱	07/12/21 07:49	07/13/21 20:37	10
3,3'-Dichlorobenzidine	ND		3600	2200	ug/Kg	✱	07/12/21 07:49	07/13/21 20:37	10
3-Nitroaniline	ND		3600	510	ug/Kg	✱	07/12/21 07:49	07/13/21 20:37	10
4,6-Dinitro-2-methylphenol	ND		3600	1800	ug/Kg	✱	07/12/21 07:49	07/13/21 20:37	10
4-Bromophenyl phenyl ether	ND		1800	260	ug/Kg	✱	07/12/21 07:49	07/13/21 20:37	10
4-Chloro-3-methylphenol	ND		1800	450	ug/Kg	✱	07/12/21 07:49	07/13/21 20:37	10
4-Chloroaniline	ND		1800	450	ug/Kg	✱	07/12/21 07:49	07/13/21 20:37	10
4-Chlorophenyl phenyl ether	ND		1800	230	ug/Kg	✱	07/12/21 07:49	07/13/21 20:37	10
4-Methylphenol	ND		3600	220	ug/Kg	✱	07/12/21 07:49	07/13/21 20:37	10
4-Nitroaniline	ND		3600	960	ug/Kg	✱	07/12/21 07:49	07/13/21 20:37	10
4-Nitrophenol	ND		3600	1300	ug/Kg	✱	07/12/21 07:49	07/13/21 20:37	10
Acenaphthene	ND		1800	270	ug/Kg	✱	07/12/21 07:49	07/13/21 20:37	10
Acenaphthylene	ND		1800	240	ug/Kg	✱	07/12/21 07:49	07/13/21 20:37	10
Acetophenone	ND		1800	250	ug/Kg	✱	07/12/21 07:49	07/13/21 20:37	10
Anthracene	ND		1800	450	ug/Kg	✱	07/12/21 07:49	07/13/21 20:37	10
Atrazine	ND		1800	640	ug/Kg	✱	07/12/21 07:49	07/13/21 20:37	10
Benzaldehyde	ND		1800	1500	ug/Kg	✱	07/12/21 07:49	07/13/21 20:37	10
Benzo[a]anthracene	450 J		1800	180	ug/Kg	✱	07/12/21 07:49	07/13/21 20:37	10
Benzo[a]pyrene	330 J		1800	270	ug/Kg	✱	07/12/21 07:49	07/13/21 20:37	10
Benzo[b]fluoranthene	520 J		1800	290	ug/Kg	✱	07/12/21 07:49	07/13/21 20:37	10
Benzo[g,h,i]perylene	ND		1800	190	ug/Kg	✱	07/12/21 07:49	07/13/21 20:37	10
Benzo[k]fluoranthene	ND		1800	240	ug/Kg	✱	07/12/21 07:49	07/13/21 20:37	10
Bis(2-chloroethoxy)methane	ND		1800	390	ug/Kg	✱	07/12/21 07:49	07/13/21 20:37	10
Bis(2-chloroethyl)ether	ND		1800	240	ug/Kg	✱	07/12/21 07:49	07/13/21 20:37	10
Bis(2-ethylhexyl) phthalate	ND		1800	630	ug/Kg	✱	07/12/21 07:49	07/13/21 20:37	10
Butyl benzyl phthalate	ND		1800	300	ug/Kg	✱	07/12/21 07:49	07/13/21 20:37	10
Caprolactam	ND		1800	550	ug/Kg	✱	07/12/21 07:49	07/13/21 20:37	10
Carbazole	ND		1800	220	ug/Kg	✱	07/12/21 07:49	07/13/21 20:37	10
Chrysene	ND		1800	410	ug/Kg	✱	07/12/21 07:49	07/13/21 20:37	10
Dibenz(a,h)anthracene	ND		1800	320	ug/Kg	✱	07/12/21 07:49	07/13/21 20:37	10
Di-n-butyl phthalate	ND		1800	310	ug/Kg	✱	07/12/21 07:49	07/13/21 20:37	10
Di-n-octyl phthalate	ND		1800	220	ug/Kg	✱	07/12/21 07:49	07/13/21 20:37	10
Dibenzofuran	ND		1800	220	ug/Kg	✱	07/12/21 07:49	07/13/21 20:37	10
Diethyl phthalate	ND		1800	240	ug/Kg	✱	07/12/21 07:49	07/13/21 20:37	10
Dimethyl phthalate	ND		1800	220	ug/Kg	✱	07/12/21 07:49	07/13/21 20:37	10
Fluoranthene	1300 J		1800	190	ug/Kg	✱	07/12/21 07:49	07/13/21 20:37	10

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: C&S Engineers, Inc.
Project/Site: Buffalo Salvation Army

Job ID: 480-186813-1

Client Sample ID: EB-03-4-5FT

Lab Sample ID: 480-186813-5

Date Collected: 07/01/21 12:40

Matrix: Solid

Date Received: 07/02/21 12:40

Percent Solids: 90.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	ND		1800	220	ug/Kg	✱	07/12/21 07:49	07/13/21 20:37	10
Hexachlorobenzene	ND		1800	250	ug/Kg	✱	07/12/21 07:49	07/13/21 20:37	10
Hexachlorobutadiene	ND		1800	270	ug/Kg	✱	07/12/21 07:49	07/13/21 20:37	10
Hexachlorocyclopentadiene	ND		1800	250	ug/Kg	✱	07/12/21 07:49	07/13/21 20:37	10
Hexachloroethane	ND		1800	240	ug/Kg	✱	07/12/21 07:49	07/13/21 20:37	10
Indeno[1,2,3-cd]pyrene	ND		1800	230	ug/Kg	✱	07/12/21 07:49	07/13/21 20:37	10
Isophorone	ND		1800	390	ug/Kg	✱	07/12/21 07:49	07/13/21 20:37	10
N-Nitrosodi-n-propylamine	ND		1800	310	ug/Kg	✱	07/12/21 07:49	07/13/21 20:37	10
N-Nitrosodiphenylamine	ND		1800	1500	ug/Kg	✱	07/12/21 07:49	07/13/21 20:37	10
Naphthalene	ND		1800	240	ug/Kg	✱	07/12/21 07:49	07/13/21 20:37	10
Nitrobenzene	ND		1800	210	ug/Kg	✱	07/12/21 07:49	07/13/21 20:37	10
Pentachlorophenol	ND		3600	1800	ug/Kg	✱	07/12/21 07:49	07/13/21 20:37	10
Phenanthrene	340	J	1800	270	ug/Kg	✱	07/12/21 07:49	07/13/21 20:37	10
Phenol	ND		1800	280	ug/Kg	✱	07/12/21 07:49	07/13/21 20:37	10
Pyrene	920	J	1800	220	ug/Kg	✱	07/12/21 07:49	07/13/21 20:37	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	84		53 - 120	07/12/21 07:49	07/13/21 20:37	10
Phenol-d5 (Surr)	90		54 - 120	07/12/21 07:49	07/13/21 20:37	10
p-Terphenyl-d14 (Surr)	104		79 - 130	07/12/21 07:49	07/13/21 20:37	10
2,4,6-Tribromophenol (Surr)	92		54 - 120	07/12/21 07:49	07/13/21 20:37	10
2-Fluorobiphenyl	103		60 - 120	07/12/21 07:49	07/13/21 20:37	10
2-Fluorophenol (Surr)	82		52 - 120	07/12/21 07:49	07/13/21 20:37	10

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.22	0.043	mg/Kg	✱	07/08/21 08:27	07/09/21 00:22	1
PCB-1221	ND		0.22	0.043	mg/Kg	✱	07/08/21 08:27	07/09/21 00:22	1
PCB-1232	ND		0.22	0.043	mg/Kg	✱	07/08/21 08:27	07/09/21 00:22	1
PCB-1242	ND		0.22	0.043	mg/Kg	✱	07/08/21 08:27	07/09/21 00:22	1
PCB-1248	ND		0.22	0.043	mg/Kg	✱	07/08/21 08:27	07/09/21 00:22	1
PCB-1254	ND		0.22	0.10	mg/Kg	✱	07/08/21 08:27	07/09/21 00:22	1
PCB-1260	ND		0.22	0.10	mg/Kg	✱	07/08/21 08:27	07/09/21 00:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	153		60 - 154	07/08/21 08:27	07/09/21 00:22	1
DCB Decachlorobiphenyl	144		65 - 174	07/08/21 08:27	07/09/21 00:22	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	5570		11.2	4.9	mg/Kg	✱	07/06/21 10:45	07/08/21 00:03	1
Antimony	ND		16.8	0.45	mg/Kg	✱	07/06/21 10:45	07/08/21 00:03	1
Arsenic	3.3		2.2	0.45	mg/Kg	✱	07/06/21 10:45	07/08/21 00:03	1
Barium	66.4	^6+	0.56	0.12	mg/Kg	✱	07/06/21 10:45	07/08/21 00:03	1
Beryllium	0.25		0.22	0.031	mg/Kg	✱	07/06/21 10:45	07/08/21 00:03	1
Cadmium	0.57		0.22	0.034	mg/Kg	✱	07/06/21 10:45	07/08/21 00:03	1
Calcium	51200	B	56.1	3.7	mg/Kg	✱	07/06/21 10:45	07/08/21 00:03	1
Chromium	8.6		0.56	0.22	mg/Kg	✱	07/06/21 10:45	07/08/21 00:03	1
Cobalt	3.9		0.56	0.056	mg/Kg	✱	07/06/21 10:45	07/08/21 00:03	1
Copper	9.6		1.1	0.24	mg/Kg	✱	07/06/21 10:45	07/08/21 00:03	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: C&S Engineers, Inc.
Project/Site: Buffalo Salvation Army

Job ID: 480-186813-1

Client Sample ID: EB-03-4-5FT

Lab Sample ID: 480-186813-5

Date Collected: 07/01/21 12:40

Matrix: Solid

Date Received: 07/02/21 12:40

Percent Solids: 90.2

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	8260	B	11.2	3.9	mg/Kg	✱	07/06/21 10:45	07/08/21 00:03	1
Lead	113		1.1	0.27	mg/Kg	✱	07/06/21 10:45	07/08/21 00:03	1
Magnesium	9640	B	22.4	1.0	mg/Kg	✱	07/06/21 10:45	07/08/21 00:03	1
Manganese	321	B	0.22	0.036	mg/Kg	✱	07/06/21 10:45	07/08/21 00:03	1
Nickel	7.5		5.6	0.26	mg/Kg	✱	07/06/21 10:45	07/08/21 00:03	1
Potassium	1430		33.7	22.4	mg/Kg	✱	07/06/21 10:45	07/08/21 00:03	1
Selenium	ND		4.5	0.45	mg/Kg	✱	07/06/21 10:45	07/08/21 00:03	1
Silver	ND		0.67	0.22	mg/Kg	✱	07/06/21 10:45	07/08/21 00:03	1
Sodium	405		157	14.6	mg/Kg	✱	07/06/21 10:45	07/08/21 00:03	1
Thallium	ND		6.7	0.34	mg/Kg	✱	07/06/21 10:45	07/08/21 00:03	1
Vanadium	12.5		0.56	0.12	mg/Kg	✱	07/06/21 10:45	07/08/21 00:03	1
Zinc	118		2.2	0.72	mg/Kg	✱	07/06/21 10:45	07/08/21 00:03	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.10		0.021	0.0049	mg/Kg	✱	07/07/21 14:28	07/07/21 16:10	1

Client Sample ID: EB-02-4FT

Lab Sample ID: 480-186813-6

Date Collected: 07/01/21 13:30

Matrix: Solid

Date Received: 07/02/21 12:40

Percent Solids: 84.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	vs	5.8	0.42	ug/Kg	✱	07/07/21 17:40	07/08/21 02:54	1
1,1,2,2-Tetrachloroethane	ND	vs	5.8	0.94	ug/Kg	✱	07/07/21 17:40	07/08/21 02:54	1
1,1,2-Trichloroethane	ND	vs	5.8	0.75	ug/Kg	✱	07/07/21 17:40	07/08/21 02:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	5.8	1.3	ug/Kg	✱	07/07/21 17:40	07/08/21 02:54	1
1,1-Dichloroethane	ND	vs	5.8	0.71	ug/Kg	✱	07/07/21 17:40	07/08/21 02:54	1
1,1-Dichloroethene	ND	vs	5.8	0.71	ug/Kg	✱	07/07/21 17:40	07/08/21 02:54	1
1,2,4-Trichlorobenzene	ND	vs	5.8	0.35	ug/Kg	✱	07/07/21 17:40	07/08/21 02:54	1
1,2-Dibromo-3-Chloropropane	ND	vs	5.8	2.9	ug/Kg	✱	07/07/21 17:40	07/08/21 02:54	1
1,2-Dichlorobenzene	ND	vs	5.8	0.45	ug/Kg	✱	07/07/21 17:40	07/08/21 02:54	1
1,2-Dichloroethane	ND	vs	5.8	0.29	ug/Kg	✱	07/07/21 17:40	07/08/21 02:54	1
1,2-Dichloropropane	ND	vs	5.8	2.9	ug/Kg	✱	07/07/21 17:40	07/08/21 02:54	1
1,3-Dichlorobenzene	ND	vs	5.8	0.30	ug/Kg	✱	07/07/21 17:40	07/08/21 02:54	1
1,4-Dichlorobenzene	ND	vs	5.8	0.81	ug/Kg	✱	07/07/21 17:40	07/08/21 02:54	1
2-Butanone (MEK)	ND	vs	29	2.1	ug/Kg	✱	07/07/21 17:40	07/08/21 02:54	1
2-Hexanone	ND	vs	29	2.9	ug/Kg	✱	07/07/21 17:40	07/08/21 02:54	1
4-Methyl-2-pentanone (MIBK)	ND	vs	29	1.9	ug/Kg	✱	07/07/21 17:40	07/08/21 02:54	1
Acetone	ND	vs	29	4.9	ug/Kg	✱	07/07/21 17:40	07/08/21 02:54	1
Benzene	ND	vs	5.8	0.28	ug/Kg	✱	07/07/21 17:40	07/08/21 02:54	1
Bromodichloromethane	ND	vs	5.8	0.77	ug/Kg	✱	07/07/21 17:40	07/08/21 02:54	1
Bromoform	ND	vs	5.8	2.9	ug/Kg	✱	07/07/21 17:40	07/08/21 02:54	1
Bromomethane	ND	vs	5.8	0.52	ug/Kg	✱	07/07/21 17:40	07/08/21 02:54	1
Carbon disulfide	ND	vs	5.8	2.9	ug/Kg	✱	07/07/21 17:40	07/08/21 02:54	1
Carbon tetrachloride	ND	vs	5.8	0.56	ug/Kg	✱	07/07/21 17:40	07/08/21 02:54	1
Chlorobenzene	ND	vs	5.8	0.76	ug/Kg	✱	07/07/21 17:40	07/08/21 02:54	1
Dibromochloromethane	ND	vs	5.8	0.74	ug/Kg	✱	07/07/21 17:40	07/08/21 02:54	1
Chloroethane	ND	vs	5.8	1.3	ug/Kg	✱	07/07/21 17:40	07/08/21 02:54	1
Chloroform	ND	vs	5.8	0.36	ug/Kg	✱	07/07/21 17:40	07/08/21 02:54	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: C&S Engineers, Inc.
Project/Site: Buffalo Salvation Army

Job ID: 480-186813-1

Client Sample ID: EB-02-4FT

Lab Sample ID: 480-186813-6

Date Collected: 07/01/21 13:30

Matrix: Solid

Date Received: 07/02/21 12:40

Percent Solids: 84.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND	vs	5.8	0.35	ug/Kg	✱	07/07/21 17:40	07/08/21 02:54	1
cis-1,2-Dichloroethene	ND	vs	5.8	0.74	ug/Kg	✱	07/07/21 17:40	07/08/21 02:54	1
cis-1,3-Dichloropropene	ND	vs	5.8	0.83	ug/Kg	✱	07/07/21 17:40	07/08/21 02:54	1
Cyclohexane	ND	vs	5.8	0.81	ug/Kg	✱	07/07/21 17:40	07/08/21 02:54	1
Dichlorodifluoromethane	ND	vs	5.8	0.48	ug/Kg	✱	07/07/21 17:40	07/08/21 02:54	1
Ethylbenzene	ND	vs	5.8	0.40	ug/Kg	✱	07/07/21 17:40	07/08/21 02:54	1
1,2-Dibromoethane	ND	vs	5.8	0.74	ug/Kg	✱	07/07/21 17:40	07/08/21 02:54	1
Isopropylbenzene	ND	vs	5.8	0.87	ug/Kg	✱	07/07/21 17:40	07/08/21 02:54	1
Methyl acetate	ND	vs	29	3.5	ug/Kg	✱	07/07/21 17:40	07/08/21 02:54	1
Methyl tert-butyl ether	ND	vs	5.8	0.57	ug/Kg	✱	07/07/21 17:40	07/08/21 02:54	1
Methylcyclohexane	ND	vs	5.8	0.88	ug/Kg	✱	07/07/21 17:40	07/08/21 02:54	1
Methylene Chloride	20	B *+ vs	5.8	2.7	ug/Kg	✱	07/07/21 17:40	07/08/21 02:54	1
Styrene	ND	vs	5.8	0.29	ug/Kg	✱	07/07/21 17:40	07/08/21 02:54	1
Tetrachloroethene	ND	vs	5.8	0.78	ug/Kg	✱	07/07/21 17:40	07/08/21 02:54	1
Toluene	ND	vs	5.8	0.44	ug/Kg	✱	07/07/21 17:40	07/08/21 02:54	1
trans-1,2-Dichloroethene	ND	vs	5.8	0.60	ug/Kg	✱	07/07/21 17:40	07/08/21 02:54	1
trans-1,3-Dichloropropene	ND	vs	5.8	2.5	ug/Kg	✱	07/07/21 17:40	07/08/21 02:54	1
Trichloroethene	50	vs	5.8	1.3	ug/Kg	✱	07/07/21 17:40	07/08/21 02:54	1
Trichlorofluoromethane	ND	vs	5.8	0.55	ug/Kg	✱	07/07/21 17:40	07/08/21 02:54	1
Vinyl chloride	ND	vs	5.8	0.71	ug/Kg	✱	07/07/21 17:40	07/08/21 02:54	1
Xylenes, Total	ND	vs	12	0.97	ug/Kg	✱	07/07/21 17:40	07/08/21 02:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		71 - 125	07/07/21 17:40	07/08/21 02:54	1
1,2-Dichloroethane-d4 (Surr)	102		64 - 126	07/07/21 17:40	07/08/21 02:54	1
4-Bromofluorobenzene (Surr)	89		72 - 126	07/07/21 17:40	07/08/21 02:54	1
Dibromofluoromethane (Surr)	100		60 - 140	07/07/21 17:40	07/08/21 02:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		2000	290	ug/Kg	✱	07/12/21 07:49	07/13/21 21:01	10
bis (2-chloroisopropyl) ether	ND		2000	390	ug/Kg	✱	07/12/21 07:49	07/13/21 21:01	10
2,4,5-Trichlorophenol	ND		2000	530	ug/Kg	✱	07/12/21 07:49	07/13/21 21:01	10
2,4,6-Trichlorophenol	ND		2000	390	ug/Kg	✱	07/12/21 07:49	07/13/21 21:01	10
2,4-Dichlorophenol	ND		2000	210	ug/Kg	✱	07/12/21 07:49	07/13/21 21:01	10
2,4-Dimethylphenol	ND		2000	470	ug/Kg	✱	07/12/21 07:49	07/13/21 21:01	10
2,4-Dinitrophenol	ND		19000	9000	ug/Kg	✱	07/12/21 07:49	07/13/21 21:01	10
2,4-Dinitrotoluene	ND		2000	400	ug/Kg	✱	07/12/21 07:49	07/13/21 21:01	10
2,6-Dinitrotoluene	ND		2000	230	ug/Kg	✱	07/12/21 07:49	07/13/21 21:01	10
2-Chloronaphthalene	ND		2000	320	ug/Kg	✱	07/12/21 07:49	07/13/21 21:01	10
2-Chlorophenol	ND		3800	360	ug/Kg	✱	07/12/21 07:49	07/13/21 21:01	10
2-Methylphenol	ND		2000	230	ug/Kg	✱	07/12/21 07:49	07/13/21 21:01	10
2-Methylnaphthalene	ND		2000	390	ug/Kg	✱	07/12/21 07:49	07/13/21 21:01	10
2-Nitroaniline	ND		3800	290	ug/Kg	✱	07/12/21 07:49	07/13/21 21:01	10
2-Nitrophenol	ND		2000	550	ug/Kg	✱	07/12/21 07:49	07/13/21 21:01	10
3,3'-Dichlorobenzidine	ND		3800	2300	ug/Kg	✱	07/12/21 07:49	07/13/21 21:01	10
3-Nitroaniline	ND		3800	540	ug/Kg	✱	07/12/21 07:49	07/13/21 21:01	10
4,6-Dinitro-2-methylphenol	ND		3800	2000	ug/Kg	✱	07/12/21 07:49	07/13/21 21:01	10
4-Bromophenyl phenyl ether	ND		2000	280	ug/Kg	✱	07/12/21 07:49	07/13/21 21:01	10
4-Chloro-3-methylphenol	ND		2000	480	ug/Kg	✱	07/12/21 07:49	07/13/21 21:01	10

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: C&S Engineers, Inc.
Project/Site: Buffalo Salvation Army

Job ID: 480-186813-1

Client Sample ID: EB-02-4FT

Lab Sample ID: 480-186813-6

Date Collected: 07/01/21 13:30

Matrix: Solid

Date Received: 07/02/21 12:40

Percent Solids: 84.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloroaniline	ND		2000	480	ug/Kg	☆	07/12/21 07:49	07/13/21 21:01	10
4-Chlorophenyl phenyl ether	ND		2000	240	ug/Kg	☆	07/12/21 07:49	07/13/21 21:01	10
4-Methylphenol	ND		3800	230	ug/Kg	☆	07/12/21 07:49	07/13/21 21:01	10
4-Nitroaniline	ND		3800	1000	ug/Kg	☆	07/12/21 07:49	07/13/21 21:01	10
4-Nitrophenol	ND		3800	1400	ug/Kg	☆	07/12/21 07:49	07/13/21 21:01	10
Acenaphthene	ND		2000	290	ug/Kg	☆	07/12/21 07:49	07/13/21 21:01	10
Acenaphthylene	ND		2000	250	ug/Kg	☆	07/12/21 07:49	07/13/21 21:01	10
Acetophenone	ND		2000	260	ug/Kg	☆	07/12/21 07:49	07/13/21 21:01	10
Anthracene	ND		2000	480	ug/Kg	☆	07/12/21 07:49	07/13/21 21:01	10
Atrazine	ND		2000	680	ug/Kg	☆	07/12/21 07:49	07/13/21 21:01	10
Benzaldehyde	ND		2000	1600	ug/Kg	☆	07/12/21 07:49	07/13/21 21:01	10
Benzo[a]anthracene	2200		2000	200	ug/Kg	☆	07/12/21 07:49	07/13/21 21:01	10
Benzo[a]pyrene	2100		2000	290	ug/Kg	☆	07/12/21 07:49	07/13/21 21:01	10
Benzo[b]fluoranthene	3600		2000	310	ug/Kg	☆	07/12/21 07:49	07/13/21 21:01	10
Benzo[g,h,i]perylene	1400	J	2000	210	ug/Kg	☆	07/12/21 07:49	07/13/21 21:01	10
Benzo[k]fluoranthene	1500	J	2000	250	ug/Kg	☆	07/12/21 07:49	07/13/21 21:01	10
Bis(2-chloroethoxy)methane	ND		2000	410	ug/Kg	☆	07/12/21 07:49	07/13/21 21:01	10
Bis(2-chloroethyl)ether	ND		2000	250	ug/Kg	☆	07/12/21 07:49	07/13/21 21:01	10
Bis(2-ethylhexyl) phthalate	ND		2000	670	ug/Kg	☆	07/12/21 07:49	07/13/21 21:01	10
Butyl benzyl phthalate	ND		2000	320	ug/Kg	☆	07/12/21 07:49	07/13/21 21:01	10
Caprolactam	ND		2000	590	ug/Kg	☆	07/12/21 07:49	07/13/21 21:01	10
Carbazole	610	J	2000	230	ug/Kg	☆	07/12/21 07:49	07/13/21 21:01	10
Chrysene	3200		2000	440	ug/Kg	☆	07/12/21 07:49	07/13/21 21:01	10
Dibenz(a,h)anthracene	340	J	2000	340	ug/Kg	☆	07/12/21 07:49	07/13/21 21:01	10
Di-n-butyl phthalate	ND		2000	330	ug/Kg	☆	07/12/21 07:49	07/13/21 21:01	10
Di-n-octyl phthalate	ND		2000	230	ug/Kg	☆	07/12/21 07:49	07/13/21 21:01	10
Dibenzofuran	ND		2000	230	ug/Kg	☆	07/12/21 07:49	07/13/21 21:01	10
Diethyl phthalate	ND		2000	250	ug/Kg	☆	07/12/21 07:49	07/13/21 21:01	10
Dimethyl phthalate	ND		2000	230	ug/Kg	☆	07/12/21 07:49	07/13/21 21:01	10
Fluoranthene	8800		2000	210	ug/Kg	☆	07/12/21 07:49	07/13/21 21:01	10
Fluorene	ND		2000	230	ug/Kg	☆	07/12/21 07:49	07/13/21 21:01	10
Hexachlorobenzene	ND		2000	260	ug/Kg	☆	07/12/21 07:49	07/13/21 21:01	10
Hexachlorobutadiene	ND		2000	290	ug/Kg	☆	07/12/21 07:49	07/13/21 21:01	10
Hexachlorocyclopentadiene	ND		2000	260	ug/Kg	☆	07/12/21 07:49	07/13/21 21:01	10
Hexachloroethane	ND		2000	250	ug/Kg	☆	07/12/21 07:49	07/13/21 21:01	10
Indeno[1,2,3-cd]pyrene	1300	J	2000	240	ug/Kg	☆	07/12/21 07:49	07/13/21 21:01	10
Isophorone	ND		2000	410	ug/Kg	☆	07/12/21 07:49	07/13/21 21:01	10
N-Nitrosodi-n-propylamine	ND		2000	330	ug/Kg	☆	07/12/21 07:49	07/13/21 21:01	10
N-Nitrosodiphenylamine	ND		2000	1600	ug/Kg	☆	07/12/21 07:49	07/13/21 21:01	10
Naphthalene	ND		2000	250	ug/Kg	☆	07/12/21 07:49	07/13/21 21:01	10
Nitrobenzene	ND		2000	220	ug/Kg	☆	07/12/21 07:49	07/13/21 21:01	10
Pentachlorophenol	ND		3800	2000	ug/Kg	☆	07/12/21 07:49	07/13/21 21:01	10
Phenanthrene	4200		2000	290	ug/Kg	☆	07/12/21 07:49	07/13/21 21:01	10
Phenol	ND		2000	300	ug/Kg	☆	07/12/21 07:49	07/13/21 21:01	10
Pyrene	6300		2000	230	ug/Kg	☆	07/12/21 07:49	07/13/21 21:01	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	69		53 - 120	07/12/21 07:49	07/13/21 21:01	10
Phenol-d5 (Surr)	83		54 - 120	07/12/21 07:49	07/13/21 21:01	10
p-Terphenyl-d14 (Surr)	93		79 - 130	07/12/21 07:49	07/13/21 21:01	10

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: C&S Engineers, Inc.
Project/Site: Buffalo Salvation Army

Job ID: 480-186813-1

Client Sample ID: EB-02-4FT

Lab Sample ID: 480-186813-6

Date Collected: 07/01/21 13:30

Matrix: Solid

Date Received: 07/02/21 12:40

Percent Solids: 84.8

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	91		54 - 120	07/12/21 07:49	07/13/21 21:01	10
2-Fluorobiphenyl	93		60 - 120	07/12/21 07:49	07/13/21 21:01	10
2-Fluorophenol (Surr)	74		52 - 120	07/12/21 07:49	07/13/21 21:01	10

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.26	0.051	mg/Kg	✱	07/08/21 08:27	07/09/21 01:01	1
PCB-1221	ND		0.26	0.051	mg/Kg	✱	07/08/21 08:27	07/09/21 01:01	1
PCB-1232	ND		0.26	0.051	mg/Kg	✱	07/08/21 08:27	07/09/21 01:01	1
PCB-1242	ND		0.26	0.051	mg/Kg	✱	07/08/21 08:27	07/09/21 01:01	1
PCB-1248	ND		0.26	0.051	mg/Kg	✱	07/08/21 08:27	07/09/21 01:01	1
PCB-1254	ND		0.26	0.12	mg/Kg	✱	07/08/21 08:27	07/09/21 01:01	1
PCB-1260	ND		0.26	0.12	mg/Kg	✱	07/08/21 08:27	07/09/21 01:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	139		60 - 154	07/08/21 08:27	07/09/21 01:01	1
DCB Decachlorobiphenyl	135		65 - 174	07/08/21 08:27	07/09/21 01:01	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	9690		12.2	5.3	mg/Kg	✱	07/06/21 10:45	07/08/21 00:06	1
Antimony	ND		18.2	0.49	mg/Kg	✱	07/06/21 10:45	07/08/21 00:06	1
Arsenic	4.8		2.4	0.49	mg/Kg	✱	07/06/21 10:45	07/08/21 00:06	1
Barium	80.9	^6+	0.61	0.13	mg/Kg	✱	07/06/21 10:45	07/08/21 00:06	1
Beryllium	0.75		0.24	0.034	mg/Kg	✱	07/06/21 10:45	07/08/21 00:06	1
Cadmium	0.66		0.24	0.036	mg/Kg	✱	07/06/21 10:45	07/08/21 00:06	1
Calcium	29900	B	60.8	4.0	mg/Kg	✱	07/06/21 10:45	07/08/21 00:06	1
Chromium	13.0		0.61	0.24	mg/Kg	✱	07/06/21 10:45	07/08/21 00:06	1
Cobalt	5.2		0.61	0.061	mg/Kg	✱	07/06/21 10:45	07/08/21 00:06	1
Copper	26.0		1.2	0.26	mg/Kg	✱	07/06/21 10:45	07/08/21 00:06	1
Iron	12700	B	12.2	4.3	mg/Kg	✱	07/06/21 10:45	07/08/21 00:06	1
Lead	158		1.2	0.29	mg/Kg	✱	07/06/21 10:45	07/08/21 00:06	1
Magnesium	11800	B	24.3	1.1	mg/Kg	✱	07/06/21 10:45	07/08/21 00:06	1
Manganese	446	B	0.24	0.039	mg/Kg	✱	07/06/21 10:45	07/08/21 00:06	1
Nickel	11.4		6.1	0.28	mg/Kg	✱	07/06/21 10:45	07/08/21 00:06	1
Potassium	2080		36.5	24.3	mg/Kg	✱	07/06/21 10:45	07/08/21 00:06	1
Selenium	0.52	J	4.9	0.49	mg/Kg	✱	07/06/21 10:45	07/08/21 00:06	1
Silver	ND		0.73	0.24	mg/Kg	✱	07/06/21 10:45	07/08/21 00:06	1
Sodium	481		170	15.8	mg/Kg	✱	07/06/21 10:45	07/08/21 00:06	1
Thallium	ND		7.3	0.36	mg/Kg	✱	07/06/21 10:45	07/08/21 00:06	1
Vanadium	19.2		0.61	0.13	mg/Kg	✱	07/06/21 10:45	07/08/21 00:06	1
Zinc	211		2.4	0.78	mg/Kg	✱	07/06/21 10:45	07/08/21 00:06	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.64		0.023	0.0052	mg/Kg	✱	07/07/21 14:28	07/07/21 16:12	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: C&S Engineers, Inc.
Project/Site: Buffalo Salvation Army

Job ID: 480-186813-1

Client Sample ID: EB-04-1-2FT

Lab Sample ID: 480-186813-7

Date Collected: 07/02/21 08:40

Matrix: Solid

Date Received: 07/02/21 12:40

Percent Solids: 88.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	vs	5.6	0.41	ug/Kg	✱	07/07/21 17:40	07/08/21 03:19	1
1,1,2,2-Tetrachloroethane	ND	vs	5.6	0.91	ug/Kg	✱	07/07/21 17:40	07/08/21 03:19	1
1,1,2-Trichloroethane	ND	vs	5.6	0.73	ug/Kg	✱	07/07/21 17:40	07/08/21 03:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	5.6	1.3	ug/Kg	✱	07/07/21 17:40	07/08/21 03:19	1
1,1-Dichloroethane	ND	vs	5.6	0.68	ug/Kg	✱	07/07/21 17:40	07/08/21 03:19	1
1,1-Dichloroethene	ND	vs	5.6	0.69	ug/Kg	✱	07/07/21 17:40	07/08/21 03:19	1
1,2,4-Trichlorobenzene	ND	vs	5.6	0.34	ug/Kg	✱	07/07/21 17:40	07/08/21 03:19	1
1,2-Dibromo-3-Chloropropane	ND	vs	5.6	2.8	ug/Kg	✱	07/07/21 17:40	07/08/21 03:19	1
1,2-Dichlorobenzene	ND	vs	5.6	0.44	ug/Kg	✱	07/07/21 17:40	07/08/21 03:19	1
1,2-Dichloroethane	ND	vs	5.6	0.28	ug/Kg	✱	07/07/21 17:40	07/08/21 03:19	1
1,2-Dichloropropane	ND	vs	5.6	2.8	ug/Kg	✱	07/07/21 17:40	07/08/21 03:19	1
1,3-Dichlorobenzene	ND	vs	5.6	0.29	ug/Kg	✱	07/07/21 17:40	07/08/21 03:19	1
1,4-Dichlorobenzene	ND	vs	5.6	0.79	ug/Kg	✱	07/07/21 17:40	07/08/21 03:19	1
2-Butanone (MEK)	ND	vs	28	2.1	ug/Kg	✱	07/07/21 17:40	07/08/21 03:19	1
2-Hexanone	ND	vs	28	2.8	ug/Kg	✱	07/07/21 17:40	07/08/21 03:19	1
4-Methyl-2-pentanone (MIBK)	ND	vs	28	1.8	ug/Kg	✱	07/07/21 17:40	07/08/21 03:19	1
Acetone	ND	vs	28	4.7	ug/Kg	✱	07/07/21 17:40	07/08/21 03:19	1
Benzene	ND	vs	5.6	0.27	ug/Kg	✱	07/07/21 17:40	07/08/21 03:19	1
Bromodichloromethane	ND	vs	5.6	0.75	ug/Kg	✱	07/07/21 17:40	07/08/21 03:19	1
Bromoform	ND	vs	5.6	2.8	ug/Kg	✱	07/07/21 17:40	07/08/21 03:19	1
Bromomethane	ND	vs	5.6	0.50	ug/Kg	✱	07/07/21 17:40	07/08/21 03:19	1
Carbon disulfide	ND	vs	5.6	2.8	ug/Kg	✱	07/07/21 17:40	07/08/21 03:19	1
Carbon tetrachloride	ND	vs	5.6	0.54	ug/Kg	✱	07/07/21 17:40	07/08/21 03:19	1
Chlorobenzene	ND	vs	5.6	0.74	ug/Kg	✱	07/07/21 17:40	07/08/21 03:19	1
Dibromochloromethane	ND	vs	5.6	0.72	ug/Kg	✱	07/07/21 17:40	07/08/21 03:19	1
Chloroethane	ND	vs	5.6	1.3	ug/Kg	✱	07/07/21 17:40	07/08/21 03:19	1
Chloroform	ND	vs	5.6	0.35	ug/Kg	✱	07/07/21 17:40	07/08/21 03:19	1
Chloromethane	ND	vs	5.6	0.34	ug/Kg	✱	07/07/21 17:40	07/08/21 03:19	1
cis-1,2-Dichloroethene	ND	vs	5.6	0.72	ug/Kg	✱	07/07/21 17:40	07/08/21 03:19	1
cis-1,3-Dichloropropene	ND	vs	5.6	0.81	ug/Kg	✱	07/07/21 17:40	07/08/21 03:19	1
Cyclohexane	ND	vs	5.6	0.79	ug/Kg	✱	07/07/21 17:40	07/08/21 03:19	1
Dichlorodifluoromethane	ND	vs	5.6	0.46	ug/Kg	✱	07/07/21 17:40	07/08/21 03:19	1
Ethylbenzene	0.47	J vs	5.6	0.39	ug/Kg	✱	07/07/21 17:40	07/08/21 03:19	1
1,2-Dibromoethane	ND	vs	5.6	0.72	ug/Kg	✱	07/07/21 17:40	07/08/21 03:19	1
Isopropylbenzene	ND	vs	5.6	0.85	ug/Kg	✱	07/07/21 17:40	07/08/21 03:19	1
Methyl acetate	ND	vs	28	3.4	ug/Kg	✱	07/07/21 17:40	07/08/21 03:19	1
Methyl tert-butyl ether	ND	vs	5.6	0.55	ug/Kg	✱	07/07/21 17:40	07/08/21 03:19	1
Methylcyclohexane	ND	vs	5.6	0.85	ug/Kg	✱	07/07/21 17:40	07/08/21 03:19	1
Methylene Chloride	17	B *+ vs	5.6	2.6	ug/Kg	✱	07/07/21 17:40	07/08/21 03:19	1
Styrene	ND	vs	5.6	0.28	ug/Kg	✱	07/07/21 17:40	07/08/21 03:19	1
Tetrachloroethene	ND	vs	5.6	0.75	ug/Kg	✱	07/07/21 17:40	07/08/21 03:19	1
Toluene	0.50	J vs	5.6	0.42	ug/Kg	✱	07/07/21 17:40	07/08/21 03:19	1
trans-1,2-Dichloroethene	ND	vs	5.6	0.58	ug/Kg	✱	07/07/21 17:40	07/08/21 03:19	1
trans-1,3-Dichloropropene	ND	vs	5.6	2.5	ug/Kg	✱	07/07/21 17:40	07/08/21 03:19	1
Trichloroethene	56	vs	5.6	1.2	ug/Kg	✱	07/07/21 17:40	07/08/21 03:19	1
Trichlorofluoromethane	ND	vs	5.6	0.53	ug/Kg	✱	07/07/21 17:40	07/08/21 03:19	1
Vinyl chloride	ND	vs	5.6	0.68	ug/Kg	✱	07/07/21 17:40	07/08/21 03:19	1
Xylenes, Total	3.3	J vs	11	0.94	ug/Kg	✱	07/07/21 17:40	07/08/21 03:19	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: C&S Engineers, Inc.
Project/Site: Buffalo Salvation Army

Job ID: 480-186813-1

Client Sample ID: EB-04-1-2FT

Lab Sample ID: 480-186813-7

Date Collected: 07/02/21 08:40

Matrix: Solid

Date Received: 07/02/21 12:40

Percent Solids: 88.1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		71 - 125	07/07/21 17:40	07/08/21 03:19	1
1,2-Dichloroethane-d4 (Surr)	103		64 - 126	07/07/21 17:40	07/08/21 03:19	1
4-Bromofluorobenzene (Surr)	91		72 - 126	07/07/21 17:40	07/08/21 03:19	1
Dibromofluoromethane (Surr)	92		60 - 140	07/07/21 17:40	07/08/21 03:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND	F2	3800	560	ug/Kg	✱	07/12/21 07:49	07/13/21 18:35	20
bis (2-chloroisopropyl) ether	ND	F2	3800	760	ug/Kg	✱	07/12/21 07:49	07/13/21 18:35	20
2,4,5-Trichlorophenol	ND	F1	3800	1000	ug/Kg	✱	07/12/21 07:49	07/13/21 18:35	20
2,4,6-Trichlorophenol	ND	F1	3800	760	ug/Kg	✱	07/12/21 07:49	07/13/21 18:35	20
2,4-Dichlorophenol	ND		3800	400	ug/Kg	✱	07/12/21 07:49	07/13/21 18:35	20
2,4-Dimethylphenol	ND		3800	920	ug/Kg	✱	07/12/21 07:49	07/13/21 18:35	20
2,4-Dinitrophenol	ND		37000	18000	ug/Kg	✱	07/12/21 07:49	07/13/21 18:35	20
2,4-Dinitrotoluene	ND	F2	3800	780	ug/Kg	✱	07/12/21 07:49	07/13/21 18:35	20
2,6-Dinitrotoluene	ND		3800	450	ug/Kg	✱	07/12/21 07:49	07/13/21 18:35	20
2-Chloronaphthalene	ND	F2	3800	630	ug/Kg	✱	07/12/21 07:49	07/13/21 18:35	20
2-Chlorophenol	ND	F2	7400	690	ug/Kg	✱	07/12/21 07:49	07/13/21 18:35	20
2-Methylphenol	ND		3800	450	ug/Kg	✱	07/12/21 07:49	07/13/21 18:35	20
2-Methylnaphthalene	ND	F2	3800	760	ug/Kg	✱	07/12/21 07:49	07/13/21 18:35	20
2-Nitroaniline	ND	F2	7400	560	ug/Kg	✱	07/12/21 07:49	07/13/21 18:35	20
2-Nitrophenol	ND		3800	1100	ug/Kg	✱	07/12/21 07:49	07/13/21 18:35	20
3,3'-Dichlorobenzidine	ND		7400	4500	ug/Kg	✱	07/12/21 07:49	07/13/21 18:35	20
3-Nitroaniline	ND	F2	7400	1000	ug/Kg	✱	07/12/21 07:49	07/13/21 18:35	20
4,6-Dinitro-2-methylphenol	ND		7400	3800	ug/Kg	✱	07/12/21 07:49	07/13/21 18:35	20
4-Bromophenyl phenyl ether	ND	F2	3800	540	ug/Kg	✱	07/12/21 07:49	07/13/21 18:35	20
4-Chloro-3-methylphenol	ND		3800	940	ug/Kg	✱	07/12/21 07:49	07/13/21 18:35	20
4-Chloroaniline	ND	F2	3800	940	ug/Kg	✱	07/12/21 07:49	07/13/21 18:35	20
4-Chlorophenyl phenyl ether	ND	F2	3800	470	ug/Kg	✱	07/12/21 07:49	07/13/21 18:35	20
4-Methylphenol	ND	F2	7400	450	ug/Kg	✱	07/12/21 07:49	07/13/21 18:35	20
4-Nitroaniline	ND		7400	2000	ug/Kg	✱	07/12/21 07:49	07/13/21 18:35	20
4-Nitrophenol	ND	F1	7400	2700	ug/Kg	✱	07/12/21 07:49	07/13/21 18:35	20
Acenaphthene	ND		3800	560	ug/Kg	✱	07/12/21 07:49	07/13/21 18:35	20
Acenaphthylene	ND	F2	3800	490	ug/Kg	✱	07/12/21 07:49	07/13/21 18:35	20
Acetophenone	ND	F2	3800	510	ug/Kg	✱	07/12/21 07:49	07/13/21 18:35	20
Anthracene	ND	F2	3800	940	ug/Kg	✱	07/12/21 07:49	07/13/21 18:35	20
Atrazine	ND	F2	3800	1300	ug/Kg	✱	07/12/21 07:49	07/13/21 18:35	20
Benzaldehyde	ND	F1	3800	3000	ug/Kg	✱	07/12/21 07:49	07/13/21 18:35	20
Benzo[a]anthracene	1900	J F1 F2	3800	380	ug/Kg	✱	07/12/21 07:49	07/13/21 18:35	20
Benzo[a]pyrene	1600	J F2	3800	560	ug/Kg	✱	07/12/21 07:49	07/13/21 18:35	20
Benzo[b]fluoranthene	2500	J F2	3800	600	ug/Kg	✱	07/12/21 07:49	07/13/21 18:35	20
Benzo[g,h,i]perylene	1100	J F2	3800	400	ug/Kg	✱	07/12/21 07:49	07/13/21 18:35	20
Benzo[k]fluoranthene	950	J	3800	490	ug/Kg	✱	07/12/21 07:49	07/13/21 18:35	20
Bis(2-chloroethoxy)methane	ND	F2	3800	800	ug/Kg	✱	07/12/21 07:49	07/13/21 18:35	20
Bis(2-chloroethyl)ether	ND	F2	3800	490	ug/Kg	✱	07/12/21 07:49	07/13/21 18:35	20
Bis(2-ethylhexyl) phthalate	ND	F2	3800	1300	ug/Kg	✱	07/12/21 07:49	07/13/21 18:35	20
Butyl benzyl phthalate	ND	F2	3800	630	ug/Kg	✱	07/12/21 07:49	07/13/21 18:35	20
Caprolactam	ND	F2	3800	1100	ug/Kg	✱	07/12/21 07:49	07/13/21 18:35	20
Carbazole	ND	F2	3800	450	ug/Kg	✱	07/12/21 07:49	07/13/21 18:35	20
Chrysene	1800	J F1 F2	3800	850	ug/Kg	✱	07/12/21 07:49	07/13/21 18:35	20

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: C&S Engineers, Inc.
Project/Site: Buffalo Salvation Army

Job ID: 480-186813-1

Client Sample ID: EB-04-1-2FT

Lab Sample ID: 480-186813-7

Date Collected: 07/02/21 08:40

Matrix: Solid

Date Received: 07/02/21 12:40

Percent Solids: 88.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND	F2	3800	670	ug/Kg	✱	07/12/21 07:49	07/13/21 18:35	20
Di-n-butyl phthalate	ND	F2	3800	650	ug/Kg	✱	07/12/21 07:49	07/13/21 18:35	20
Di-n-octyl phthalate	ND	F2	3800	450	ug/Kg	✱	07/12/21 07:49	07/13/21 18:35	20
Dibenzofuran	ND	F2	3800	450	ug/Kg	✱	07/12/21 07:49	07/13/21 18:35	20
Diethyl phthalate	ND	F2	3800	490	ug/Kg	✱	07/12/21 07:49	07/13/21 18:35	20
Dimethyl phthalate	ND	F2	3800	450	ug/Kg	✱	07/12/21 07:49	07/13/21 18:35	20
Fluoranthene	4500	F1 F2	3800	400	ug/Kg	✱	07/12/21 07:49	07/13/21 18:35	20
Fluorene	ND	F2	3800	450	ug/Kg	✱	07/12/21 07:49	07/13/21 18:35	20
Hexachlorobenzene	ND	F2	3800	510	ug/Kg	✱	07/12/21 07:49	07/13/21 18:35	20
Hexachlorobutadiene	ND		3800	560	ug/Kg	✱	07/12/21 07:49	07/13/21 18:35	20
Hexachlorocyclopentadiene	ND	F1	3800	510	ug/Kg	✱	07/12/21 07:49	07/13/21 18:35	20
Hexachloroethane	ND		3800	490	ug/Kg	✱	07/12/21 07:49	07/13/21 18:35	20
Indeno[1,2,3-cd]pyrene	930	J F2	3800	470	ug/Kg	✱	07/12/21 07:49	07/13/21 18:35	20
Isophorone	ND	F2	3800	800	ug/Kg	✱	07/12/21 07:49	07/13/21 18:35	20
N-Nitrosodi-n-propylamine	ND	F2	3800	650	ug/Kg	✱	07/12/21 07:49	07/13/21 18:35	20
N-Nitrosodiphenylamine	ND		3800	3100	ug/Kg	✱	07/12/21 07:49	07/13/21 18:35	20
Naphthalene	ND	F2	3800	490	ug/Kg	✱	07/12/21 07:49	07/13/21 18:35	20
Nitrobenzene	ND	F2	3800	420	ug/Kg	✱	07/12/21 07:49	07/13/21 18:35	20
Pentachlorophenol	ND		7400	3800	ug/Kg	✱	07/12/21 07:49	07/13/21 18:35	20
Phenanthrene	910	J F1 F2	3800	560	ug/Kg	✱	07/12/21 07:49	07/13/21 18:35	20
Phenol	ND		3800	580	ug/Kg	✱	07/12/21 07:49	07/13/21 18:35	20
Pyrene	3500	J F1	3800	450	ug/Kg	✱	07/12/21 07:49	07/13/21 18:35	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	80		53 - 120	07/12/21 07:49	07/13/21 18:35	20
Phenol-d5 (Surr)	74		54 - 120	07/12/21 07:49	07/13/21 18:35	20
p-Terphenyl-d14 (Surr)	92		79 - 130	07/12/21 07:49	07/13/21 18:35	20
2,4,6-Tribromophenol (Surr)	0	S1-	54 - 120	07/12/21 07:49	07/13/21 18:35	20
2-Fluorobiphenyl	91		60 - 120	07/12/21 07:49	07/13/21 18:35	20
2-Fluorophenol (Surr)	79		52 - 120	07/12/21 07:49	07/13/21 18:35	20

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		2.6	0.52	mg/Kg	✱	07/08/21 08:27	07/09/21 01:14	10
PCB-1221	ND		2.6	0.52	mg/Kg	✱	07/08/21 08:27	07/09/21 01:14	10
PCB-1232	ND		2.6	0.52	mg/Kg	✱	07/08/21 08:27	07/09/21 01:14	10
PCB-1242	ND		2.6	0.52	mg/Kg	✱	07/08/21 08:27	07/09/21 01:14	10
PCB-1248	ND		2.6	0.52	mg/Kg	✱	07/08/21 08:27	07/09/21 01:14	10
PCB-1254	ND		2.6	1.2	mg/Kg	✱	07/08/21 08:27	07/09/21 01:14	10
PCB-1260	ND		2.6	1.2	mg/Kg	✱	07/08/21 08:27	07/09/21 01:14	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	144		60 - 154	07/08/21 08:27	07/09/21 01:14	10
DCB Decachlorobiphenyl	151		65 - 174	07/08/21 08:27	07/09/21 01:14	10

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	9400		11.6	5.1	mg/Kg	✱	07/06/21 10:45	07/08/21 00:21	1
Antimony	ND		17.5	0.47	mg/Kg	✱	07/06/21 10:45	07/08/21 00:21	1
Arsenic	8.0		2.3	0.47	mg/Kg	✱	07/06/21 10:45	07/08/21 00:21	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: C&S Engineers, Inc.
Project/Site: Buffalo Salvation Army

Job ID: 480-186813-1

Client Sample ID: EB-04-1-2FT

Lab Sample ID: 480-186813-7

Date Collected: 07/02/21 08:40

Matrix: Solid

Date Received: 07/02/21 12:40

Percent Solids: 88.1

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	248	^6+	0.58	0.13	mg/Kg	☆	07/06/21 10:45	07/08/21 00:21	1
Beryllium	0.53		0.23	0.033	mg/Kg	☆	07/06/21 10:45	07/08/21 00:21	1
Cadmium	2.6		0.23	0.035	mg/Kg	☆	07/06/21 10:45	07/08/21 00:21	1
Calcium	133000	B	116	7.7	mg/Kg	☆	07/06/21 10:45	07/08/21 14:14	2
Chromium	557		2.9	1.2	mg/Kg	☆	07/06/21 10:45	07/09/21 13:05	5
Cobalt	3.8		0.58	0.058	mg/Kg	☆	07/06/21 10:45	07/08/21 00:21	1
Copper	50.1		2.3	0.49	mg/Kg	☆	07/06/21 10:45	07/08/21 14:14	2
Iron	54800	B	11.6	4.1	mg/Kg	☆	07/06/21 10:45	07/08/21 00:21	1
Lead	352		2.3	0.56	mg/Kg	☆	07/06/21 10:45	07/08/21 14:14	2
Magnesium	24200	B	116	5.4	mg/Kg	☆	07/06/21 10:45	07/09/21 13:05	5
Manganese	15200	B	1.2	0.19	mg/Kg	☆	07/06/21 10:45	07/09/21 13:05	5
Nickel	15.8		5.8	0.27	mg/Kg	☆	07/06/21 10:45	07/08/21 00:21	1
Potassium	1450		34.9	23.3	mg/Kg	☆	07/06/21 10:45	07/08/21 00:21	1
Selenium	ND		23.3	2.3	mg/Kg	☆	07/06/21 10:45	07/09/21 13:05	5
Silver	1.2	J	3.5	1.2	mg/Kg	☆	07/06/21 10:45	07/09/21 13:05	5
Sodium	1610		163	15.1	mg/Kg	☆	07/06/21 10:45	07/08/21 00:21	1
Thallium	ND		34.9	1.7	mg/Kg	☆	07/06/21 10:45	07/09/21 13:05	5
Vanadium	152		0.58	0.13	mg/Kg	☆	07/06/21 10:45	07/08/21 00:21	1
Zinc	421		2.3	0.74	mg/Kg	☆	07/06/21 10:45	07/08/21 00:21	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.10		0.021	0.0049	mg/Kg	☆	07/07/21 14:28	07/07/21 16:16	1

Client Sample ID: EB-05-1-2FT

Lab Sample ID: 480-186813-8

Date Collected: 07/02/21 09:15

Matrix: Solid

Date Received: 07/02/21 12:40

Percent Solids: 86.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	vs	5.8	0.42	ug/Kg	☆	07/07/21 17:40	07/08/21 03:44	1
1,1,1,2-Tetrachloroethane	ND	vs	5.8	0.94	ug/Kg	☆	07/07/21 17:40	07/08/21 03:44	1
1,1,2-Trichloroethane	ND	vs	5.8	0.76	ug/Kg	☆	07/07/21 17:40	07/08/21 03:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	5.8	1.3	ug/Kg	☆	07/07/21 17:40	07/08/21 03:44	1
1,1-Dichloroethane	ND	vs	5.8	0.71	ug/Kg	☆	07/07/21 17:40	07/08/21 03:44	1
1,1-Dichloroethene	ND	vs	5.8	0.71	ug/Kg	☆	07/07/21 17:40	07/08/21 03:44	1
1,2,4-Trichlorobenzene	ND	vs	5.8	0.35	ug/Kg	☆	07/07/21 17:40	07/08/21 03:44	1
1,2-Dibromo-3-Chloropropane	ND	vs	5.8	2.9	ug/Kg	☆	07/07/21 17:40	07/08/21 03:44	1
1,2-Dichlorobenzene	ND	vs	5.8	0.45	ug/Kg	☆	07/07/21 17:40	07/08/21 03:44	1
1,2-Dichloroethane	ND	vs	5.8	0.29	ug/Kg	☆	07/07/21 17:40	07/08/21 03:44	1
1,2-Dichloropropane	ND	vs	5.8	2.9	ug/Kg	☆	07/07/21 17:40	07/08/21 03:44	1
1,3-Dichlorobenzene	ND	vs	5.8	0.30	ug/Kg	☆	07/07/21 17:40	07/08/21 03:44	1
1,4-Dichlorobenzene	ND	vs	5.8	0.81	ug/Kg	☆	07/07/21 17:40	07/08/21 03:44	1
2-Butanone (MEK)	ND	vs	29	2.1	ug/Kg	☆	07/07/21 17:40	07/08/21 03:44	1
2-Hexanone	ND	vs	29	2.9	ug/Kg	☆	07/07/21 17:40	07/08/21 03:44	1
4-Methyl-2-pentanone (MIBK)	ND	vs	29	1.9	ug/Kg	☆	07/07/21 17:40	07/08/21 03:44	1
Acetone	ND	vs	29	4.9	ug/Kg	☆	07/07/21 17:40	07/08/21 03:44	1
Benzene	ND	vs	5.8	0.28	ug/Kg	☆	07/07/21 17:40	07/08/21 03:44	1
Bromodichloromethane	ND	vs	5.8	0.78	ug/Kg	☆	07/07/21 17:40	07/08/21 03:44	1
Bromoform	ND	vs	5.8	2.9	ug/Kg	☆	07/07/21 17:40	07/08/21 03:44	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: C&S Engineers, Inc.
Project/Site: Buffalo Salvation Army

Job ID: 480-186813-1

Client Sample ID: EB-05-1-2FT

Lab Sample ID: 480-186813-8

Date Collected: 07/02/21 09:15

Matrix: Solid

Date Received: 07/02/21 12:40

Percent Solids: 86.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	ND	vs	5.8	0.52	ug/Kg	✱	07/07/21 17:40	07/08/21 03:44	1
Carbon disulfide	ND	vs	5.8	2.9	ug/Kg	✱	07/07/21 17:40	07/08/21 03:44	1
Carbon tetrachloride	ND	vs	5.8	0.56	ug/Kg	✱	07/07/21 17:40	07/08/21 03:44	1
Chlorobenzene	ND	vs	5.8	0.77	ug/Kg	✱	07/07/21 17:40	07/08/21 03:44	1
Dibromochloromethane	ND	vs	5.8	0.74	ug/Kg	✱	07/07/21 17:40	07/08/21 03:44	1
Chloroethane	ND	vs	5.8	1.3	ug/Kg	✱	07/07/21 17:40	07/08/21 03:44	1
Chloroform	ND	vs	5.8	0.36	ug/Kg	✱	07/07/21 17:40	07/08/21 03:44	1
Chloromethane	ND	vs	5.8	0.35	ug/Kg	✱	07/07/21 17:40	07/08/21 03:44	1
cis-1,2-Dichloroethene	ND	vs	5.8	0.74	ug/Kg	✱	07/07/21 17:40	07/08/21 03:44	1
cis-1,3-Dichloropropene	ND	vs	5.8	0.84	ug/Kg	✱	07/07/21 17:40	07/08/21 03:44	1
Cyclohexane	ND	vs	5.8	0.81	ug/Kg	✱	07/07/21 17:40	07/08/21 03:44	1
Dichlorodifluoromethane	ND	vs	5.8	0.48	ug/Kg	✱	07/07/21 17:40	07/08/21 03:44	1
Ethylbenzene	ND	vs	5.8	0.40	ug/Kg	✱	07/07/21 17:40	07/08/21 03:44	1
1,2-Dibromoethane	ND	vs	5.8	0.75	ug/Kg	✱	07/07/21 17:40	07/08/21 03:44	1
Isopropylbenzene	ND	vs	5.8	0.88	ug/Kg	✱	07/07/21 17:40	07/08/21 03:44	1
Methyl acetate	ND	vs	29	3.5	ug/Kg	✱	07/07/21 17:40	07/08/21 03:44	1
Methyl tert-butyl ether	ND	vs	5.8	0.57	ug/Kg	✱	07/07/21 17:40	07/08/21 03:44	1
Methylcyclohexane	ND	vs	5.8	0.88	ug/Kg	✱	07/07/21 17:40	07/08/21 03:44	1
Methylene Chloride	15	B *+ vs	5.8	2.7	ug/Kg	✱	07/07/21 17:40	07/08/21 03:44	1
Styrene	ND	vs	5.8	0.29	ug/Kg	✱	07/07/21 17:40	07/08/21 03:44	1
Tetrachloroethene	ND	vs	5.8	0.78	ug/Kg	✱	07/07/21 17:40	07/08/21 03:44	1
Toluene	0.48	J vs	5.8	0.44	ug/Kg	✱	07/07/21 17:40	07/08/21 03:44	1
trans-1,2-Dichloroethene	ND	vs	5.8	0.60	ug/Kg	✱	07/07/21 17:40	07/08/21 03:44	1
trans-1,3-Dichloropropene	ND	vs	5.8	2.6	ug/Kg	✱	07/07/21 17:40	07/08/21 03:44	1
Trichloroethene	44	vs	5.8	1.3	ug/Kg	✱	07/07/21 17:40	07/08/21 03:44	1
Trichlorofluoromethane	ND	vs	5.8	0.55	ug/Kg	✱	07/07/21 17:40	07/08/21 03:44	1
Vinyl chloride	ND	vs	5.8	0.71	ug/Kg	✱	07/07/21 17:40	07/08/21 03:44	1
Xylenes, Total	1.2	J vs	12	0.98	ug/Kg	✱	07/07/21 17:40	07/08/21 03:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	104		71 - 125	07/07/21 17:40	07/08/21 03:44	1
1,2-Dichloroethane-d4 (Surr)	99		64 - 126	07/07/21 17:40	07/08/21 03:44	1
4-Bromofluorobenzene (Surr)	87		72 - 126	07/07/21 17:40	07/08/21 03:44	1
Dibromofluoromethane (Surr)	100		60 - 140	07/07/21 17:40	07/08/21 03:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		1900	290	ug/Kg	✱	07/12/21 07:49	07/13/21 21:25	10
bis (2-chloroisopropyl) ether	ND		1900	390	ug/Kg	✱	07/12/21 07:49	07/13/21 21:25	10
2,4,5-Trichlorophenol	ND		1900	520	ug/Kg	✱	07/12/21 07:49	07/13/21 21:25	10
2,4,6-Trichlorophenol	ND		1900	390	ug/Kg	✱	07/12/21 07:49	07/13/21 21:25	10
2,4-Dichlorophenol	ND		1900	210	ug/Kg	✱	07/12/21 07:49	07/13/21 21:25	10
2,4-Dimethylphenol	ND		1900	470	ug/Kg	✱	07/12/21 07:49	07/13/21 21:25	10
2,4-Dinitrophenol	ND		19000	8900	ug/Kg	✱	07/12/21 07:49	07/13/21 21:25	10
2,4-Dinitrotoluene	ND		1900	400	ug/Kg	✱	07/12/21 07:49	07/13/21 21:25	10
2,6-Dinitrotoluene	ND		1900	230	ug/Kg	✱	07/12/21 07:49	07/13/21 21:25	10
2-Chloronaphthalene	ND		1900	320	ug/Kg	✱	07/12/21 07:49	07/13/21 21:25	10
2-Chlorophenol	ND		3800	350	ug/Kg	✱	07/12/21 07:49	07/13/21 21:25	10
2-Methylphenol	ND		1900	230	ug/Kg	✱	07/12/21 07:49	07/13/21 21:25	10
2-Methylnaphthalene	ND		1900	390	ug/Kg	✱	07/12/21 07:49	07/13/21 21:25	10

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: C&S Engineers, Inc.
Project/Site: Buffalo Salvation Army

Job ID: 480-186813-1

Client Sample ID: EB-05-1-2FT

Lab Sample ID: 480-186813-8

Date Collected: 07/02/21 09:15

Matrix: Solid

Date Received: 07/02/21 12:40

Percent Solids: 86.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		3800	290	ug/Kg	✱	07/12/21 07:49	07/13/21 21:25	10
2-Nitrophenol	ND		1900	550	ug/Kg	✱	07/12/21 07:49	07/13/21 21:25	10
3,3'-Dichlorobenzidine	ND		3800	2300	ug/Kg	✱	07/12/21 07:49	07/13/21 21:25	10
3-Nitroaniline	ND		3800	540	ug/Kg	✱	07/12/21 07:49	07/13/21 21:25	10
4,6-Dinitro-2-methylphenol	ND		3800	1900	ug/Kg	✱	07/12/21 07:49	07/13/21 21:25	10
4-Bromophenyl phenyl ether	ND		1900	270	ug/Kg	✱	07/12/21 07:49	07/13/21 21:25	10
4-Chloro-3-methylphenol	ND		1900	480	ug/Kg	✱	07/12/21 07:49	07/13/21 21:25	10
4-Chloroaniline	ND		1900	480	ug/Kg	✱	07/12/21 07:49	07/13/21 21:25	10
4-Chlorophenyl phenyl ether	ND		1900	240	ug/Kg	✱	07/12/21 07:49	07/13/21 21:25	10
4-Methylphenol	ND		3800	230	ug/Kg	✱	07/12/21 07:49	07/13/21 21:25	10
4-Nitroaniline	ND		3800	1000	ug/Kg	✱	07/12/21 07:49	07/13/21 21:25	10
4-Nitrophenol	ND		3800	1400	ug/Kg	✱	07/12/21 07:49	07/13/21 21:25	10
Acenaphthene	500	J	1900	290	ug/Kg	✱	07/12/21 07:49	07/13/21 21:25	10
Acenaphthylene	ND		1900	250	ug/Kg	✱	07/12/21 07:49	07/13/21 21:25	10
Acetophenone	ND		1900	260	ug/Kg	✱	07/12/21 07:49	07/13/21 21:25	10
Anthracene	1000	J	1900	480	ug/Kg	✱	07/12/21 07:49	07/13/21 21:25	10
Atrazine	ND		1900	670	ug/Kg	✱	07/12/21 07:49	07/13/21 21:25	10
Benzaldehyde	ND		1900	1500	ug/Kg	✱	07/12/21 07:49	07/13/21 21:25	10
Benzo[a]anthracene	3200		1900	190	ug/Kg	✱	07/12/21 07:49	07/13/21 21:25	10
Benzo[a]pyrene	2900		1900	290	ug/Kg	✱	07/12/21 07:49	07/13/21 21:25	10
Benzo[b]fluoranthene	3900		1900	310	ug/Kg	✱	07/12/21 07:49	07/13/21 21:25	10
Benzo[g,h,i]perylene	1800	J	1900	210	ug/Kg	✱	07/12/21 07:49	07/13/21 21:25	10
Benzo[k]fluoranthene	1500	J	1900	250	ug/Kg	✱	07/12/21 07:49	07/13/21 21:25	10
Bis(2-chloroethoxy)methane	ND		1900	410	ug/Kg	✱	07/12/21 07:49	07/13/21 21:25	10
Bis(2-chloroethyl)ether	ND		1900	250	ug/Kg	✱	07/12/21 07:49	07/13/21 21:25	10
Bis(2-ethylhexyl) phthalate	ND		1900	660	ug/Kg	✱	07/12/21 07:49	07/13/21 21:25	10
Butyl benzyl phthalate	ND		1900	320	ug/Kg	✱	07/12/21 07:49	07/13/21 21:25	10
Caprolactam	ND		1900	580	ug/Kg	✱	07/12/21 07:49	07/13/21 21:25	10
Carbazole	350	J	1900	230	ug/Kg	✱	07/12/21 07:49	07/13/21 21:25	10
Chrysene	3400		1900	430	ug/Kg	✱	07/12/21 07:49	07/13/21 21:25	10
Dibenz(a,h)anthracene	440	J	1900	340	ug/Kg	✱	07/12/21 07:49	07/13/21 21:25	10
Di-n-butyl phthalate	ND		1900	330	ug/Kg	✱	07/12/21 07:49	07/13/21 21:25	10
Di-n-octyl phthalate	ND		1900	230	ug/Kg	✱	07/12/21 07:49	07/13/21 21:25	10
Dibenzofuran	250	J	1900	230	ug/Kg	✱	07/12/21 07:49	07/13/21 21:25	10
Diethyl phthalate	ND		1900	250	ug/Kg	✱	07/12/21 07:49	07/13/21 21:25	10
Dimethyl phthalate	ND		1900	230	ug/Kg	✱	07/12/21 07:49	07/13/21 21:25	10
Fluoranthene	7800		1900	210	ug/Kg	✱	07/12/21 07:49	07/13/21 21:25	10
Fluorene	390	J	1900	230	ug/Kg	✱	07/12/21 07:49	07/13/21 21:25	10
Hexachlorobenzene	ND		1900	260	ug/Kg	✱	07/12/21 07:49	07/13/21 21:25	10
Hexachlorobutadiene	ND		1900	290	ug/Kg	✱	07/12/21 07:49	07/13/21 21:25	10
Hexachlorocyclopentadiene	ND		1900	260	ug/Kg	✱	07/12/21 07:49	07/13/21 21:25	10
Hexachloroethane	ND		1900	250	ug/Kg	✱	07/12/21 07:49	07/13/21 21:25	10
Indeno[1,2,3-cd]pyrene	1400	J	1900	240	ug/Kg	✱	07/12/21 07:49	07/13/21 21:25	10
Isophorone	ND		1900	410	ug/Kg	✱	07/12/21 07:49	07/13/21 21:25	10
N-Nitrosodi-n-propylamine	ND		1900	330	ug/Kg	✱	07/12/21 07:49	07/13/21 21:25	10
N-Nitrosodiphenylamine	ND		1900	1600	ug/Kg	✱	07/12/21 07:49	07/13/21 21:25	10
Naphthalene	ND		1900	250	ug/Kg	✱	07/12/21 07:49	07/13/21 21:25	10
Nitrobenzene	ND		1900	220	ug/Kg	✱	07/12/21 07:49	07/13/21 21:25	10
Pentachlorophenol	ND		3800	1900	ug/Kg	✱	07/12/21 07:49	07/13/21 21:25	10

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: C&S Engineers, Inc.
Project/Site: Buffalo Salvation Army

Job ID: 480-186813-1

Client Sample ID: EB-05-1-2FT

Lab Sample ID: 480-186813-8

Date Collected: 07/02/21 09:15

Matrix: Solid

Date Received: 07/02/21 12:40

Percent Solids: 86.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	6800		1900	290	ug/Kg	✱	07/12/21 07:49	07/13/21 21:25	10
Phenol	ND		1900	300	ug/Kg	✱	07/12/21 07:49	07/13/21 21:25	10
Pyrene	6700		1900	230	ug/Kg	✱	07/12/21 07:49	07/13/21 21:25	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	82		53 - 120				07/12/21 07:49	07/13/21 21:25	10
Phenol-d5 (Surr)	92		54 - 120				07/12/21 07:49	07/13/21 21:25	10
p-Terphenyl-d14 (Surr)	108		79 - 130				07/12/21 07:49	07/13/21 21:25	10
2,4,6-Tribromophenol (Surr)	103		54 - 120				07/12/21 07:49	07/13/21 21:25	10
2-Fluorobiphenyl	104		60 - 120				07/12/21 07:49	07/13/21 21:25	10
2-Fluorophenol (Surr)	83		52 - 120				07/12/21 07:49	07/13/21 21:25	10

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.23	0.045	mg/Kg	✱	07/08/21 08:27	07/09/21 01:27	1
PCB-1221	ND		0.23	0.045	mg/Kg	✱	07/08/21 08:27	07/09/21 01:27	1
PCB-1232	ND		0.23	0.045	mg/Kg	✱	07/08/21 08:27	07/09/21 01:27	1
PCB-1242	ND		0.23	0.045	mg/Kg	✱	07/08/21 08:27	07/09/21 01:27	1
PCB-1248	ND		0.23	0.045	mg/Kg	✱	07/08/21 08:27	07/09/21 01:27	1
PCB-1254	ND		0.23	0.11	mg/Kg	✱	07/08/21 08:27	07/09/21 01:27	1
PCB-1260	ND		0.23	0.11	mg/Kg	✱	07/08/21 08:27	07/09/21 01:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	142		60 - 154				07/08/21 08:27	07/09/21 01:27	1
DCB Decachlorobiphenyl	134		65 - 174				07/08/21 08:27	07/09/21 01:27	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	9440		11.7	5.2	mg/Kg	✱	07/06/21 10:45	07/08/21 00:25	1
Antimony	ND		17.6	0.47	mg/Kg	✱	07/06/21 10:45	07/08/21 00:25	1
Arsenic	9.2		2.3	0.47	mg/Kg	✱	07/06/21 10:45	07/08/21 00:25	1
Barium	96.2	^6+	0.59	0.13	mg/Kg	✱	07/06/21 10:45	07/08/21 00:25	1
Beryllium	0.43		0.23	0.033	mg/Kg	✱	07/06/21 10:45	07/08/21 00:25	1
Cadmium	0.67		0.23	0.035	mg/Kg	✱	07/06/21 10:45	07/08/21 00:25	1
Calcium	8910	B	58.6	3.9	mg/Kg	✱	07/06/21 10:45	07/08/21 00:25	1
Chromium	12.7		0.59	0.23	mg/Kg	✱	07/06/21 10:45	07/08/21 00:25	1
Cobalt	4.5		0.59	0.059	mg/Kg	✱	07/06/21 10:45	07/08/21 00:25	1
Copper	23.7		1.2	0.25	mg/Kg	✱	07/06/21 10:45	07/08/21 00:25	1
Iron	14000	B	11.7	4.1	mg/Kg	✱	07/06/21 10:45	07/08/21 00:25	1
Lead	253		1.2	0.28	mg/Kg	✱	07/06/21 10:45	07/08/21 00:25	1
Magnesium	3080	B	23.5	1.1	mg/Kg	✱	07/06/21 10:45	07/08/21 00:25	1
Manganese	473	B	0.23	0.038	mg/Kg	✱	07/06/21 10:45	07/08/21 00:25	1
Nickel	10.8		5.9	0.27	mg/Kg	✱	07/06/21 10:45	07/08/21 00:25	1
Potassium	1120		35.2	23.5	mg/Kg	✱	07/06/21 10:45	07/08/21 00:25	1
Selenium	1.0	J	4.7	0.47	mg/Kg	✱	07/06/21 10:45	07/08/21 00:25	1
Silver	ND		0.70	0.23	mg/Kg	✱	07/06/21 10:45	07/08/21 00:25	1
Sodium	852		164	15.2	mg/Kg	✱	07/06/21 10:45	07/08/21 00:25	1
Thallium	ND		7.0	0.35	mg/Kg	✱	07/06/21 10:45	07/08/21 00:25	1
Vanadium	20.1		0.59	0.13	mg/Kg	✱	07/06/21 10:45	07/08/21 00:25	1
Zinc	205		2.3	0.75	mg/Kg	✱	07/06/21 10:45	07/08/21 00:25	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: C&S Engineers, Inc.
Project/Site: Buffalo Salvation Army

Job ID: 480-186813-1

Client Sample ID: EB-05-1-2FT

Lab Sample ID: 480-186813-8

Date Collected: 07/02/21 09:15

Matrix: Solid

Date Received: 07/02/21 12:40

Percent Solids: 86.0

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.52		0.020	0.0047	mg/Kg	☆	07/07/21 14:28	07/07/21 16:17	1

Client Sample ID: EB-07-1-FT

Lab Sample ID: 480-186813-9

Date Collected: 07/02/21 09:45

Matrix: Solid

Date Received: 07/02/21 12:40

Percent Solids: 88.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	vs	5.5	0.40	ug/Kg	☆	07/07/21 17:40	07/08/21 04:09	1
1,1,2,2-Tetrachloroethane	ND	vs	5.5	0.90	ug/Kg	☆	07/07/21 17:40	07/08/21 04:09	1
1,1,2-Trichloroethane	ND	vs	5.5	0.72	ug/Kg	☆	07/07/21 17:40	07/08/21 04:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	5.5	1.3	ug/Kg	☆	07/07/21 17:40	07/08/21 04:09	1
1,1-Dichloroethane	ND	vs	5.5	0.68	ug/Kg	☆	07/07/21 17:40	07/08/21 04:09	1
1,1-Dichloroethene	ND	vs	5.5	0.68	ug/Kg	☆	07/07/21 17:40	07/08/21 04:09	1
1,2,4-Trichlorobenzene	ND	vs	5.5	0.34	ug/Kg	☆	07/07/21 17:40	07/08/21 04:09	1
1,2-Dibromo-3-Chloropropane	ND	vs	5.5	2.8	ug/Kg	☆	07/07/21 17:40	07/08/21 04:09	1
1,2-Dichlorobenzene	ND	vs	5.5	0.43	ug/Kg	☆	07/07/21 17:40	07/08/21 04:09	1
1,2-Dichloroethane	ND	vs	5.5	0.28	ug/Kg	☆	07/07/21 17:40	07/08/21 04:09	1
1,2-Dichloropropane	ND	vs	5.5	2.8	ug/Kg	☆	07/07/21 17:40	07/08/21 04:09	1
1,3-Dichlorobenzene	ND	vs	5.5	0.28	ug/Kg	☆	07/07/21 17:40	07/08/21 04:09	1
1,4-Dichlorobenzene	ND	vs	5.5	0.78	ug/Kg	☆	07/07/21 17:40	07/08/21 04:09	1
2-Butanone (MEK)	ND	vs	28	2.0	ug/Kg	☆	07/07/21 17:40	07/08/21 04:09	1
2-Hexanone	ND	vs	28	2.8	ug/Kg	☆	07/07/21 17:40	07/08/21 04:09	1
4-Methyl-2-pentanone (MIBK)	ND	vs	28	1.8	ug/Kg	☆	07/07/21 17:40	07/08/21 04:09	1
Acetone	ND	vs	28	4.7	ug/Kg	☆	07/07/21 17:40	07/08/21 04:09	1
Benzene	ND	vs	5.5	0.27	ug/Kg	☆	07/07/21 17:40	07/08/21 04:09	1
Bromodichloromethane	ND	vs	5.5	0.74	ug/Kg	☆	07/07/21 17:40	07/08/21 04:09	1
Bromoform	ND	vs	5.5	2.8	ug/Kg	☆	07/07/21 17:40	07/08/21 04:09	1
Bromomethane	ND	vs	5.5	0.50	ug/Kg	☆	07/07/21 17:40	07/08/21 04:09	1
Carbon disulfide	ND	vs	5.5	2.8	ug/Kg	☆	07/07/21 17:40	07/08/21 04:09	1
Carbon tetrachloride	ND	vs	5.5	0.54	ug/Kg	☆	07/07/21 17:40	07/08/21 04:09	1
Chlorobenzene	ND	vs	5.5	0.73	ug/Kg	☆	07/07/21 17:40	07/08/21 04:09	1
Dibromochloromethane	ND	vs	5.5	0.71	ug/Kg	☆	07/07/21 17:40	07/08/21 04:09	1
Chloroethane	ND	vs	5.5	1.3	ug/Kg	☆	07/07/21 17:40	07/08/21 04:09	1
Chloroform	ND	vs	5.5	0.34	ug/Kg	☆	07/07/21 17:40	07/08/21 04:09	1
Chloromethane	ND	vs	5.5	0.33	ug/Kg	☆	07/07/21 17:40	07/08/21 04:09	1
cis-1,2-Dichloroethene	ND	vs	5.5	0.71	ug/Kg	☆	07/07/21 17:40	07/08/21 04:09	1
cis-1,3-Dichloropropene	ND	vs	5.5	0.80	ug/Kg	☆	07/07/21 17:40	07/08/21 04:09	1
Cyclohexane	ND	vs	5.5	0.78	ug/Kg	☆	07/07/21 17:40	07/08/21 04:09	1
Dichlorodifluoromethane	ND	vs	5.5	0.46	ug/Kg	☆	07/07/21 17:40	07/08/21 04:09	1
Ethylbenzene	ND	vs	5.5	0.38	ug/Kg	☆	07/07/21 17:40	07/08/21 04:09	1
1,2-Dibromoethane	ND	vs	5.5	0.71	ug/Kg	☆	07/07/21 17:40	07/08/21 04:09	1
Isopropylbenzene	ND	vs	5.5	0.84	ug/Kg	☆	07/07/21 17:40	07/08/21 04:09	1
Methyl acetate	ND	vs	28	3.3	ug/Kg	☆	07/07/21 17:40	07/08/21 04:09	1
Methyl tert-butyl ether	ND	vs	5.5	0.54	ug/Kg	☆	07/07/21 17:40	07/08/21 04:09	1
Methylcyclohexane	ND	vs	5.5	0.84	ug/Kg	☆	07/07/21 17:40	07/08/21 04:09	1
Methylene Chloride	13	B *+ vs	5.5	2.5	ug/Kg	☆	07/07/21 17:40	07/08/21 04:09	1
Styrene	ND	vs	5.5	0.28	ug/Kg	☆	07/07/21 17:40	07/08/21 04:09	1
Tetrachloroethene	ND	vs	5.5	0.74	ug/Kg	☆	07/07/21 17:40	07/08/21 04:09	1
Toluene	ND	vs	5.5	0.42	ug/Kg	☆	07/07/21 17:40	07/08/21 04:09	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: C&S Engineers, Inc.
Project/Site: Buffalo Salvation Army

Job ID: 480-186813-1

Client Sample ID: EB-07-1-FT

Lab Sample ID: 480-186813-9

Date Collected: 07/02/21 09:45

Matrix: Solid

Date Received: 07/02/21 12:40

Percent Solids: 88.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND	vs	5.5	0.57	ug/Kg	✱	07/07/21 17:40	07/08/21 04:09	1
trans-1,3-Dichloropropene	ND	vs	5.5	2.4	ug/Kg	✱	07/07/21 17:40	07/08/21 04:09	1
Trichloroethene	15	vs	5.5	1.2	ug/Kg	✱	07/07/21 17:40	07/08/21 04:09	1
Trichlorofluoromethane	ND	vs	5.5	0.52	ug/Kg	✱	07/07/21 17:40	07/08/21 04:09	1
Vinyl chloride	ND	vs	5.5	0.68	ug/Kg	✱	07/07/21 17:40	07/08/21 04:09	1
Xylenes, Total	ND	vs	11	0.93	ug/Kg	✱	07/07/21 17:40	07/08/21 04:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		71 - 125	07/07/21 17:40	07/08/21 04:09	1
1,2-Dichloroethane-d4 (Surr)	104		64 - 126	07/07/21 17:40	07/08/21 04:09	1
4-Bromofluorobenzene (Surr)	96		72 - 126	07/07/21 17:40	07/08/21 04:09	1
Dibromofluoromethane (Surr)	102		60 - 140	07/07/21 17:40	07/08/21 04:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		940	140	ug/Kg	✱	07/12/21 07:49	07/13/21 21:49	5
bis (2-chloroisopropyl) ether	ND		940	190	ug/Kg	✱	07/12/21 07:49	07/13/21 21:49	5
2,4,5-Trichlorophenol	ND		940	260	ug/Kg	✱	07/12/21 07:49	07/13/21 21:49	5
2,4,6-Trichlorophenol	ND		940	190	ug/Kg	✱	07/12/21 07:49	07/13/21 21:49	5
2,4-Dichlorophenol	ND		940	100	ug/Kg	✱	07/12/21 07:49	07/13/21 21:49	5
2,4-Dimethylphenol	ND		940	230	ug/Kg	✱	07/12/21 07:49	07/13/21 21:49	5
2,4-Dinitrophenol	ND		9200	4400	ug/Kg	✱	07/12/21 07:49	07/13/21 21:49	5
2,4-Dinitrotoluene	ND		940	190	ug/Kg	✱	07/12/21 07:49	07/13/21 21:49	5
2,6-Dinitrotoluene	ND		940	110	ug/Kg	✱	07/12/21 07:49	07/13/21 21:49	5
2-Chloronaphthalene	ND		940	160	ug/Kg	✱	07/12/21 07:49	07/13/21 21:49	5
2-Chlorophenol	ND		1800	170	ug/Kg	✱	07/12/21 07:49	07/13/21 21:49	5
2-Methylphenol	ND		940	110	ug/Kg	✱	07/12/21 07:49	07/13/21 21:49	5
2-Methylnaphthalene	ND		940	190	ug/Kg	✱	07/12/21 07:49	07/13/21 21:49	5
2-Nitroaniline	ND		1800	140	ug/Kg	✱	07/12/21 07:49	07/13/21 21:49	5
2-Nitrophenol	ND		940	270	ug/Kg	✱	07/12/21 07:49	07/13/21 21:49	5
3,3'-Dichlorobenzidine	ND		1800	1100	ug/Kg	✱	07/12/21 07:49	07/13/21 21:49	5
3-Nitroaniline	ND		1800	260	ug/Kg	✱	07/12/21 07:49	07/13/21 21:49	5
4,6-Dinitro-2-methylphenol	ND		1800	940	ug/Kg	✱	07/12/21 07:49	07/13/21 21:49	5
4-Bromophenyl phenyl ether	ND		940	130	ug/Kg	✱	07/12/21 07:49	07/13/21 21:49	5
4-Chloro-3-methylphenol	ND		940	230	ug/Kg	✱	07/12/21 07:49	07/13/21 21:49	5
4-Chloroaniline	ND		940	230	ug/Kg	✱	07/12/21 07:49	07/13/21 21:49	5
4-Chlorophenyl phenyl ether	ND		940	120	ug/Kg	✱	07/12/21 07:49	07/13/21 21:49	5
4-Methylphenol	ND		1800	110	ug/Kg	✱	07/12/21 07:49	07/13/21 21:49	5
4-Nitroaniline	ND		1800	490	ug/Kg	✱	07/12/21 07:49	07/13/21 21:49	5
4-Nitrophenol	ND		1800	660	ug/Kg	✱	07/12/21 07:49	07/13/21 21:49	5
Acenaphthene	ND		940	140	ug/Kg	✱	07/12/21 07:49	07/13/21 21:49	5
Acenaphthylene	ND		940	120	ug/Kg	✱	07/12/21 07:49	07/13/21 21:49	5
Acetophenone	ND		940	130	ug/Kg	✱	07/12/21 07:49	07/13/21 21:49	5
Anthracene	ND		940	230	ug/Kg	✱	07/12/21 07:49	07/13/21 21:49	5
Atrazine	ND		940	330	ug/Kg	✱	07/12/21 07:49	07/13/21 21:49	5
Benzaldehyde	ND		940	750	ug/Kg	✱	07/12/21 07:49	07/13/21 21:49	5
Benzo[a]anthracene	220	J	940	94	ug/Kg	✱	07/12/21 07:49	07/13/21 21:49	5
Benzo[a]pyrene	200	J	940	140	ug/Kg	✱	07/12/21 07:49	07/13/21 21:49	5
Benzo[b]fluoranthene	300	J	940	150	ug/Kg	✱	07/12/21 07:49	07/13/21 21:49	5
Benzo[g,h,i]perylene	130	J	940	100	ug/Kg	✱	07/12/21 07:49	07/13/21 21:49	5

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: C&S Engineers, Inc.
Project/Site: Buffalo Salvation Army

Job ID: 480-186813-1

Client Sample ID: EB-07-1-FT

Lab Sample ID: 480-186813-9

Date Collected: 07/02/21 09:45

Matrix: Solid

Date Received: 07/02/21 12:40

Percent Solids: 88.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	120	J	940	120	ug/Kg	✱	07/12/21 07:49	07/13/21 21:49	5
Bis(2-chloroethoxy)methane	ND		940	200	ug/Kg	✱	07/12/21 07:49	07/13/21 21:49	5
Bis(2-chloroethyl)ether	ND		940	120	ug/Kg	✱	07/12/21 07:49	07/13/21 21:49	5
Bis(2-ethylhexyl) phthalate	ND		940	320	ug/Kg	✱	07/12/21 07:49	07/13/21 21:49	5
Butyl benzyl phthalate	ND		940	160	ug/Kg	✱	07/12/21 07:49	07/13/21 21:49	5
Caprolactam	ND		940	280	ug/Kg	✱	07/12/21 07:49	07/13/21 21:49	5
Carbazole	ND		940	110	ug/Kg	✱	07/12/21 07:49	07/13/21 21:49	5
Chrysene	ND		940	210	ug/Kg	✱	07/12/21 07:49	07/13/21 21:49	5
Dibenz(a,h)anthracene	ND		940	170	ug/Kg	✱	07/12/21 07:49	07/13/21 21:49	5
Di-n-butyl phthalate	ND		940	160	ug/Kg	✱	07/12/21 07:49	07/13/21 21:49	5
Di-n-octyl phthalate	ND		940	110	ug/Kg	✱	07/12/21 07:49	07/13/21 21:49	5
Dibenzofuran	ND		940	110	ug/Kg	✱	07/12/21 07:49	07/13/21 21:49	5
Diethyl phthalate	ND		940	120	ug/Kg	✱	07/12/21 07:49	07/13/21 21:49	5
Dimethyl phthalate	ND		940	110	ug/Kg	✱	07/12/21 07:49	07/13/21 21:49	5
Fluoranthene	360	J	940	100	ug/Kg	✱	07/12/21 07:49	07/13/21 21:49	5
Fluorene	ND		940	110	ug/Kg	✱	07/12/21 07:49	07/13/21 21:49	5
Hexachlorobenzene	ND		940	130	ug/Kg	✱	07/12/21 07:49	07/13/21 21:49	5
Hexachlorobutadiene	ND		940	140	ug/Kg	✱	07/12/21 07:49	07/13/21 21:49	5
Hexachlorocyclopentadiene	ND		940	130	ug/Kg	✱	07/12/21 07:49	07/13/21 21:49	5
Hexachloroethane	ND		940	120	ug/Kg	✱	07/12/21 07:49	07/13/21 21:49	5
Indeno[1,2,3-cd]pyrene	120	J	940	120	ug/Kg	✱	07/12/21 07:49	07/13/21 21:49	5
Isophorone	ND		940	200	ug/Kg	✱	07/12/21 07:49	07/13/21 21:49	5
N-Nitrosodi-n-propylamine	ND		940	160	ug/Kg	✱	07/12/21 07:49	07/13/21 21:49	5
N-Nitrosodiphenylamine	ND		940	770	ug/Kg	✱	07/12/21 07:49	07/13/21 21:49	5
Naphthalene	ND		940	120	ug/Kg	✱	07/12/21 07:49	07/13/21 21:49	5
Nitrobenzene	ND		940	110	ug/Kg	✱	07/12/21 07:49	07/13/21 21:49	5
Pentachlorophenol	ND		1800	940	ug/Kg	✱	07/12/21 07:49	07/13/21 21:49	5
Phenanthrene	ND		940	140	ug/Kg	✱	07/12/21 07:49	07/13/21 21:49	5
Phenol	ND		940	140	ug/Kg	✱	07/12/21 07:49	07/13/21 21:49	5
Pyrene	290	J	940	110	ug/Kg	✱	07/12/21 07:49	07/13/21 21:49	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	78		53 - 120	07/12/21 07:49	07/13/21 21:49	5
Phenol-d5 (Surr)	82		54 - 120	07/12/21 07:49	07/13/21 21:49	5
p-Terphenyl-d14 (Surr)	99		79 - 130	07/12/21 07:49	07/13/21 21:49	5
2,4,6-Tribromophenol (Surr)	91		54 - 120	07/12/21 07:49	07/13/21 21:49	5
2-Fluorobiphenyl	97		60 - 120	07/12/21 07:49	07/13/21 21:49	5
2-Fluorophenol (Surr)	78		52 - 120	07/12/21 07:49	07/13/21 21:49	5

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.25	0.049	mg/Kg	✱	07/08/21 08:27	07/09/21 01:40	1
PCB-1221	ND		0.25	0.049	mg/Kg	✱	07/08/21 08:27	07/09/21 01:40	1
PCB-1232	ND		0.25	0.049	mg/Kg	✱	07/08/21 08:27	07/09/21 01:40	1
PCB-1242	ND		0.25	0.049	mg/Kg	✱	07/08/21 08:27	07/09/21 01:40	1
PCB-1248	ND		0.25	0.049	mg/Kg	✱	07/08/21 08:27	07/09/21 01:40	1
PCB-1254	ND		0.25	0.12	mg/Kg	✱	07/08/21 08:27	07/09/21 01:40	1
PCB-1260	ND		0.25	0.12	mg/Kg	✱	07/08/21 08:27	07/09/21 01:40	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: C&S Engineers, Inc.
Project/Site: Buffalo Salvation Army

Job ID: 480-186813-1

Client Sample ID: EB-07-1-FT

Lab Sample ID: 480-186813-9

Date Collected: 07/02/21 09:45

Matrix: Solid

Date Received: 07/02/21 12:40

Percent Solids: 88.3

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	147		60 - 154	07/08/21 08:27	07/09/21 01:40	1
DCB Decachlorobiphenyl	134		65 - 174	07/08/21 08:27	07/09/21 01:40	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	11400		11.8	5.2	mg/Kg	✱	07/06/21 10:45	07/08/21 00:29	1
Antimony	ND		17.7	0.47	mg/Kg	✱	07/06/21 10:45	07/08/21 00:29	1
Arsenic	6.1		2.4	0.47	mg/Kg	✱	07/06/21 10:45	07/08/21 00:29	1
Barium	65.0	^6+	0.59	0.13	mg/Kg	✱	07/06/21 10:45	07/08/21 00:29	1
Beryllium	0.49		0.24	0.033	mg/Kg	✱	07/06/21 10:45	07/08/21 00:29	1
Cadmium	0.49		0.24	0.035	mg/Kg	✱	07/06/21 10:45	07/08/21 00:29	1
Calcium	4980	B	58.9	3.9	mg/Kg	✱	07/06/21 10:45	07/08/21 00:29	1
Chromium	14.4		0.59	0.24	mg/Kg	✱	07/06/21 10:45	07/08/21 00:29	1
Cobalt	5.4		0.59	0.059	mg/Kg	✱	07/06/21 10:45	07/08/21 00:29	1
Copper	26.8		1.2	0.25	mg/Kg	✱	07/06/21 10:45	07/08/21 00:29	1
Iron	13900	B	11.8	4.1	mg/Kg	✱	07/06/21 10:45	07/08/21 00:29	1
Lead	146		1.2	0.28	mg/Kg	✱	07/06/21 10:45	07/08/21 00:29	1
Magnesium	3340	B	23.5	1.1	mg/Kg	✱	07/06/21 10:45	07/08/21 00:29	1
Manganese	291	B	0.24	0.038	mg/Kg	✱	07/06/21 10:45	07/08/21 00:29	1
Nickel	12.5		5.9	0.27	mg/Kg	✱	07/06/21 10:45	07/08/21 00:29	1
Potassium	1490		35.3	23.5	mg/Kg	✱	07/06/21 10:45	07/08/21 00:29	1
Selenium	1.2	J	4.7	0.47	mg/Kg	✱	07/06/21 10:45	07/08/21 00:29	1
Silver	ND		0.71	0.24	mg/Kg	✱	07/06/21 10:45	07/08/21 00:29	1
Sodium	190		165	15.3	mg/Kg	✱	07/06/21 10:45	07/08/21 00:29	1
Thallium	ND		7.1	0.35	mg/Kg	✱	07/06/21 10:45	07/08/21 00:29	1
Vanadium	21.7		0.59	0.13	mg/Kg	✱	07/06/21 10:45	07/08/21 00:29	1
Zinc	124		2.4	0.75	mg/Kg	✱	07/06/21 10:45	07/08/21 00:29	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.25		0.021	0.0049	mg/Kg	✱	07/07/21 14:28	07/07/21 16:18	1

Client Sample ID: EB-06-1-2FT

Lab Sample ID: 480-186813-10

Date Collected: 07/02/21 10:15

Matrix: Solid

Date Received: 07/02/21 12:40

Percent Solids: 86.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	vs	5.8	0.42	ug/Kg	✱	07/07/21 17:40	07/08/21 04:34	1
1,1,2,2-Tetrachloroethane	ND	vs	5.8	0.94	ug/Kg	✱	07/07/21 17:40	07/08/21 04:34	1
1,1,2-Trichloroethane	ND	vs	5.8	0.75	ug/Kg	✱	07/07/21 17:40	07/08/21 04:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	5.8	1.3	ug/Kg	✱	07/07/21 17:40	07/08/21 04:34	1
1,1-Dichloroethane	ND	vs	5.8	0.71	ug/Kg	✱	07/07/21 17:40	07/08/21 04:34	1
1,1-Dichloroethene	ND	vs	5.8	0.71	ug/Kg	✱	07/07/21 17:40	07/08/21 04:34	1
1,2,4-Trichlorobenzene	ND	vs	5.8	0.35	ug/Kg	✱	07/07/21 17:40	07/08/21 04:34	1
1,2-Dibromo-3-Chloropropane	ND	vs	5.8	2.9	ug/Kg	✱	07/07/21 17:40	07/08/21 04:34	1
1,2-Dichlorobenzene	ND	vs	5.8	0.45	ug/Kg	✱	07/07/21 17:40	07/08/21 04:34	1
1,2-Dichloroethane	ND	vs	5.8	0.29	ug/Kg	✱	07/07/21 17:40	07/08/21 04:34	1
1,2-Dichloropropane	ND	vs	5.8	2.9	ug/Kg	✱	07/07/21 17:40	07/08/21 04:34	1
1,3-Dichlorobenzene	ND	vs	5.8	0.30	ug/Kg	✱	07/07/21 17:40	07/08/21 04:34	1
1,4-Dichlorobenzene	ND	vs	5.8	0.81	ug/Kg	✱	07/07/21 17:40	07/08/21 04:34	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: C&S Engineers, Inc.
Project/Site: Buffalo Salvation Army

Job ID: 480-186813-1

Client Sample ID: EB-06-1-2FT

Lab Sample ID: 480-186813-10

Date Collected: 07/02/21 10:15

Matrix: Solid

Date Received: 07/02/21 12:40

Percent Solids: 86.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND	vs	29	2.1	ug/Kg	✱	07/07/21 17:40	07/08/21 04:34	1
2-Hexanone	ND	vs	29	2.9	ug/Kg	✱	07/07/21 17:40	07/08/21 04:34	1
4-Methyl-2-pentanone (MIBK)	ND	vs	29	1.9	ug/Kg	✱	07/07/21 17:40	07/08/21 04:34	1
Acetone	ND	vs	29	4.9	ug/Kg	✱	07/07/21 17:40	07/08/21 04:34	1
Benzene	ND	vs	5.8	0.28	ug/Kg	✱	07/07/21 17:40	07/08/21 04:34	1
Bromodichloromethane	ND	vs	5.8	0.78	ug/Kg	✱	07/07/21 17:40	07/08/21 04:34	1
Bromoform	ND	vs	5.8	2.9	ug/Kg	✱	07/07/21 17:40	07/08/21 04:34	1
Bromomethane	ND	vs	5.8	0.52	ug/Kg	✱	07/07/21 17:40	07/08/21 04:34	1
Carbon disulfide	ND	vs	5.8	2.9	ug/Kg	✱	07/07/21 17:40	07/08/21 04:34	1
Carbon tetrachloride	ND	vs	5.8	0.56	ug/Kg	✱	07/07/21 17:40	07/08/21 04:34	1
Chlorobenzene	ND	vs	5.8	0.76	ug/Kg	✱	07/07/21 17:40	07/08/21 04:34	1
Dibromochloromethane	ND	vs	5.8	0.74	ug/Kg	✱	07/07/21 17:40	07/08/21 04:34	1
Chloroethane	ND	vs	5.8	1.3	ug/Kg	✱	07/07/21 17:40	07/08/21 04:34	1
Chloroform	ND	vs	5.8	0.36	ug/Kg	✱	07/07/21 17:40	07/08/21 04:34	1
Chloromethane	ND	vs	5.8	0.35	ug/Kg	✱	07/07/21 17:40	07/08/21 04:34	1
cis-1,2-Dichloroethene	ND	vs	5.8	0.74	ug/Kg	✱	07/07/21 17:40	07/08/21 04:34	1
cis-1,3-Dichloropropene	ND	vs	5.8	0.83	ug/Kg	✱	07/07/21 17:40	07/08/21 04:34	1
Cyclohexane	ND	vs	5.8	0.81	ug/Kg	✱	07/07/21 17:40	07/08/21 04:34	1
Dichlorodifluoromethane	ND	vs	5.8	0.48	ug/Kg	✱	07/07/21 17:40	07/08/21 04:34	1
Ethylbenzene	ND	vs	5.8	0.40	ug/Kg	✱	07/07/21 17:40	07/08/21 04:34	1
1,2-Dibromoethane	ND	vs	5.8	0.74	ug/Kg	✱	07/07/21 17:40	07/08/21 04:34	1
Isopropylbenzene	ND	vs	5.8	0.87	ug/Kg	✱	07/07/21 17:40	07/08/21 04:34	1
Methyl acetate	ND	vs	29	3.5	ug/Kg	✱	07/07/21 17:40	07/08/21 04:34	1
Methyl tert-butyl ether	ND	vs	5.8	0.57	ug/Kg	✱	07/07/21 17:40	07/08/21 04:34	1
Methylcyclohexane	ND	vs	5.8	0.88	ug/Kg	✱	07/07/21 17:40	07/08/21 04:34	1
Methylene Chloride	16	B ** vs	5.8	2.7	ug/Kg	✱	07/07/21 17:40	07/08/21 04:34	1
Styrene	ND	vs	5.8	0.29	ug/Kg	✱	07/07/21 17:40	07/08/21 04:34	1
Tetrachloroethene	ND	vs	5.8	0.78	ug/Kg	✱	07/07/21 17:40	07/08/21 04:34	1
Toluene	ND	vs	5.8	0.44	ug/Kg	✱	07/07/21 17:40	07/08/21 04:34	1
trans-1,2-Dichloroethene	ND	vs	5.8	0.60	ug/Kg	✱	07/07/21 17:40	07/08/21 04:34	1
trans-1,3-Dichloropropene	ND	vs	5.8	2.5	ug/Kg	✱	07/07/21 17:40	07/08/21 04:34	1
Trichloroethene	33	vs	5.8	1.3	ug/Kg	✱	07/07/21 17:40	07/08/21 04:34	1
Trichlorofluoromethane	ND	vs	5.8	0.55	ug/Kg	✱	07/07/21 17:40	07/08/21 04:34	1
Vinyl chloride	ND	vs	5.8	0.71	ug/Kg	✱	07/07/21 17:40	07/08/21 04:34	1
Xylenes, Total	ND	vs	12	0.97	ug/Kg	✱	07/07/21 17:40	07/08/21 04:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		71 - 125	07/07/21 17:40	07/08/21 04:34	1
1,2-Dichloroethane-d4 (Surr)	100		64 - 126	07/07/21 17:40	07/08/21 04:34	1
4-Bromofluorobenzene (Surr)	93		72 - 126	07/07/21 17:40	07/08/21 04:34	1
Dibromofluoromethane (Surr)	99		60 - 140	07/07/21 17:40	07/08/21 04:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		980	140	ug/Kg	✱	07/12/21 07:49	07/13/21 22:13	5
bis (2-chloroisopropyl) ether	ND		980	200	ug/Kg	✱	07/12/21 07:49	07/13/21 22:13	5
2,4,5-Trichlorophenol	ND		980	270	ug/Kg	✱	07/12/21 07:49	07/13/21 22:13	5
2,4,6-Trichlorophenol	ND		980	200	ug/Kg	✱	07/12/21 07:49	07/13/21 22:13	5
2,4-Dichlorophenol	ND		980	100	ug/Kg	✱	07/12/21 07:49	07/13/21 22:13	5
2,4-Dimethylphenol	ND		980	240	ug/Kg	✱	07/12/21 07:49	07/13/21 22:13	5

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: C&S Engineers, Inc.
Project/Site: Buffalo Salvation Army

Job ID: 480-186813-1

Client Sample ID: EB-06-1-2FT

Lab Sample ID: 480-186813-10

Date Collected: 07/02/21 10:15

Matrix: Solid

Date Received: 07/02/21 12:40

Percent Solids: 86.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrophenol	ND		9600	4500	ug/Kg	✱	07/12/21 07:49	07/13/21 22:13	5
2,4-Dinitrotoluene	ND		980	200	ug/Kg	✱	07/12/21 07:49	07/13/21 22:13	5
2,6-Dinitrotoluene	ND		980	120	ug/Kg	✱	07/12/21 07:49	07/13/21 22:13	5
2-Chloronaphthalene	ND		980	160	ug/Kg	✱	07/12/21 07:49	07/13/21 22:13	5
2-Chlorophenol	ND		1900	180	ug/Kg	✱	07/12/21 07:49	07/13/21 22:13	5
2-Methylphenol	ND		980	120	ug/Kg	✱	07/12/21 07:49	07/13/21 22:13	5
2-Methylnaphthalene	ND		980	200	ug/Kg	✱	07/12/21 07:49	07/13/21 22:13	5
2-Nitroaniline	ND		1900	140	ug/Kg	✱	07/12/21 07:49	07/13/21 22:13	5
2-Nitrophenol	ND		980	280	ug/Kg	✱	07/12/21 07:49	07/13/21 22:13	5
3,3'-Dichlorobenzidine	ND		1900	1200	ug/Kg	✱	07/12/21 07:49	07/13/21 22:13	5
3-Nitroaniline	ND		1900	270	ug/Kg	✱	07/12/21 07:49	07/13/21 22:13	5
4,6-Dinitro-2-methylphenol	ND		1900	980	ug/Kg	✱	07/12/21 07:49	07/13/21 22:13	5
4-Bromophenyl phenyl ether	ND		980	140	ug/Kg	✱	07/12/21 07:49	07/13/21 22:13	5
4-Chloro-3-methylphenol	ND		980	240	ug/Kg	✱	07/12/21 07:49	07/13/21 22:13	5
4-Chloroaniline	ND		980	240	ug/Kg	✱	07/12/21 07:49	07/13/21 22:13	5
4-Chlorophenyl phenyl ether	ND		980	120	ug/Kg	✱	07/12/21 07:49	07/13/21 22:13	5
4-Methylphenol	ND		1900	120	ug/Kg	✱	07/12/21 07:49	07/13/21 22:13	5
4-Nitroaniline	ND		1900	510	ug/Kg	✱	07/12/21 07:49	07/13/21 22:13	5
4-Nitrophenol	ND		1900	690	ug/Kg	✱	07/12/21 07:49	07/13/21 22:13	5
Acenaphthene	ND		980	140	ug/Kg	✱	07/12/21 07:49	07/13/21 22:13	5
Acenaphthylene	ND		980	130	ug/Kg	✱	07/12/21 07:49	07/13/21 22:13	5
Acetophenone	ND		980	130	ug/Kg	✱	07/12/21 07:49	07/13/21 22:13	5
Anthracene	ND		980	240	ug/Kg	✱	07/12/21 07:49	07/13/21 22:13	5
Atrazine	ND		980	340	ug/Kg	✱	07/12/21 07:49	07/13/21 22:13	5
Benzaldehyde	ND		980	780	ug/Kg	✱	07/12/21 07:49	07/13/21 22:13	5
Benzo[a]anthracene	ND		980	98	ug/Kg	✱	07/12/21 07:49	07/13/21 22:13	5
Benzo[a]pyrene	ND		980	140	ug/Kg	✱	07/12/21 07:49	07/13/21 22:13	5
Benzo[b]fluoranthene	ND		980	160	ug/Kg	✱	07/12/21 07:49	07/13/21 22:13	5
Benzo[g,h,i]perylene	ND		980	100	ug/Kg	✱	07/12/21 07:49	07/13/21 22:13	5
Benzo[k]fluoranthene	ND		980	130	ug/Kg	✱	07/12/21 07:49	07/13/21 22:13	5
Bis(2-chloroethoxy)methane	ND		980	210	ug/Kg	✱	07/12/21 07:49	07/13/21 22:13	5
Bis(2-chloroethyl)ether	ND		980	130	ug/Kg	✱	07/12/21 07:49	07/13/21 22:13	5
Bis(2-ethylhexyl) phthalate	ND		980	340	ug/Kg	✱	07/12/21 07:49	07/13/21 22:13	5
Butyl benzyl phthalate	ND		980	160	ug/Kg	✱	07/12/21 07:49	07/13/21 22:13	5
Caprolactam	ND		980	290	ug/Kg	✱	07/12/21 07:49	07/13/21 22:13	5
Carbazole	ND		980	120	ug/Kg	✱	07/12/21 07:49	07/13/21 22:13	5
Chrysene	ND		980	220	ug/Kg	✱	07/12/21 07:49	07/13/21 22:13	5
Dibenz(a,h)anthracene	ND		980	170	ug/Kg	✱	07/12/21 07:49	07/13/21 22:13	5
Di-n-butyl phthalate	ND		980	170	ug/Kg	✱	07/12/21 07:49	07/13/21 22:13	5
Di-n-octyl phthalate	ND		980	120	ug/Kg	✱	07/12/21 07:49	07/13/21 22:13	5
Dibenzofuran	ND		980	120	ug/Kg	✱	07/12/21 07:49	07/13/21 22:13	5
Diethyl phthalate	ND		980	130	ug/Kg	✱	07/12/21 07:49	07/13/21 22:13	5
Dimethyl phthalate	ND		980	120	ug/Kg	✱	07/12/21 07:49	07/13/21 22:13	5
Fluoranthene	260	J	980	100	ug/Kg	✱	07/12/21 07:49	07/13/21 22:13	5
Fluorene	ND		980	120	ug/Kg	✱	07/12/21 07:49	07/13/21 22:13	5
Hexachlorobenzene	ND		980	130	ug/Kg	✱	07/12/21 07:49	07/13/21 22:13	5
Hexachlorobutadiene	ND		980	140	ug/Kg	✱	07/12/21 07:49	07/13/21 22:13	5
Hexachlorocyclopentadiene	ND		980	130	ug/Kg	✱	07/12/21 07:49	07/13/21 22:13	5
Hexachloroethane	ND		980	130	ug/Kg	✱	07/12/21 07:49	07/13/21 22:13	5

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: C&S Engineers, Inc.
Project/Site: Buffalo Salvation Army

Job ID: 480-186813-1

Client Sample ID: EB-06-1-2FT

Lab Sample ID: 480-186813-10

Date Collected: 07/02/21 10:15

Matrix: Solid

Date Received: 07/02/21 12:40

Percent Solids: 86.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	ND		980	120	ug/Kg	✱	07/12/21 07:49	07/13/21 22:13	5
Isophorone	ND		980	210	ug/Kg	✱	07/12/21 07:49	07/13/21 22:13	5
N-Nitrosodi-n-propylamine	ND		980	170	ug/Kg	✱	07/12/21 07:49	07/13/21 22:13	5
N-Nitrosodiphenylamine	ND		980	800	ug/Kg	✱	07/12/21 07:49	07/13/21 22:13	5
Naphthalene	ND		980	130	ug/Kg	✱	07/12/21 07:49	07/13/21 22:13	5
Nitrobenzene	ND		980	110	ug/Kg	✱	07/12/21 07:49	07/13/21 22:13	5
Pentachlorophenol	ND		1900	980	ug/Kg	✱	07/12/21 07:49	07/13/21 22:13	5
Phenanthrene	ND		980	140	ug/Kg	✱	07/12/21 07:49	07/13/21 22:13	5
Phenol	ND		980	150	ug/Kg	✱	07/12/21 07:49	07/13/21 22:13	5
Pyrene	200	J	980	120	ug/Kg	✱	07/12/21 07:49	07/13/21 22:13	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	67		53 - 120	07/12/21 07:49	07/13/21 22:13	5
Phenol-d5 (Surr)	75		54 - 120	07/12/21 07:49	07/13/21 22:13	5
p-Terphenyl-d14 (Surr)	87		79 - 130	07/12/21 07:49	07/13/21 22:13	5
2,4,6-Tribromophenol (Surr)	81		54 - 120	07/12/21 07:49	07/13/21 22:13	5
2-Fluorobiphenyl	82		60 - 120	07/12/21 07:49	07/13/21 22:13	5
2-Fluorophenol (Surr)	68		52 - 120	07/12/21 07:49	07/13/21 22:13	5

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.25	0.048	mg/Kg	☼	07/08/21 08:27	07/09/21 01:52	1
PCB-1221	ND		0.25	0.048	mg/Kg	☼	07/08/21 08:27	07/09/21 01:52	1
PCB-1232	ND		0.25	0.048	mg/Kg	☼	07/08/21 08:27	07/09/21 01:52	1
PCB-1242	ND		0.25	0.048	mg/Kg	☼	07/08/21 08:27	07/09/21 01:52	1
PCB-1248	ND		0.25	0.048	mg/Kg	☼	07/08/21 08:27	07/09/21 01:52	1
PCB-1254	ND		0.25	0.12	mg/Kg	☼	07/08/21 08:27	07/09/21 01:52	1
PCB-1260	ND		0.25	0.12	mg/Kg	☼	07/08/21 08:27	07/09/21 01:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	151		60 - 154				07/08/21 08:27	07/09/21 01:52	1
DCB Decachlorobiphenyl	135		65 - 174				07/08/21 08:27	07/09/21 01:52	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8060		12.3	5.4	mg/Kg	✱	07/06/21 10:45	07/08/21 00:33	1
Antimony	ND		18.4	0.49	mg/Kg	✱	07/06/21 10:45	07/08/21 00:33	1
Arsenic	2.6		2.5	0.49	mg/Kg	✱	07/06/21 10:45	07/08/21 00:33	1
Barium	41.3	^6+	0.61	0.13	mg/Kg	✱	07/06/21 10:45	07/08/21 00:33	1
Beryllium	0.33		0.25	0.034	mg/Kg	✱	07/06/21 10:45	07/08/21 00:33	1
Cadmium	0.32		0.25	0.037	mg/Kg	✱	07/06/21 10:45	07/08/21 00:33	1
Calcium	29700	B	61.3	4.0	mg/Kg	✱	07/06/21 10:45	07/08/21 00:33	1
Chromium	9.6		0.61	0.25	mg/Kg	✱	07/06/21 10:45	07/08/21 00:33	1
Cobalt	4.1		0.61	0.061	mg/Kg	✱	07/06/21 10:45	07/08/21 00:33	1
Copper	9.6		1.2	0.26	mg/Kg	✱	07/06/21 10:45	07/08/21 00:33	1
Iron	10400	B	12.3	4.3	mg/Kg	✱	07/06/21 10:45	07/08/21 00:33	1
Lead	144		1.2	0.29	mg/Kg	✱	07/06/21 10:45	07/08/21 00:33	1
Magnesium	10400	B	24.5	1.1	mg/Kg	✱	07/06/21 10:45	07/08/21 00:33	1
Manganese	260	B	0.25	0.039	mg/Kg	✱	07/06/21 10:45	07/08/21 00:33	1
Nickel	9.6		6.1	0.28	mg/Kg	✱	07/06/21 10:45	07/08/21 00:33	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: C&S Engineers, Inc.
Project/Site: Buffalo Salvation Army

Job ID: 480-186813-1

Client Sample ID: EB-06-1-2FT

Lab Sample ID: 480-186813-10

Date Collected: 07/02/21 10:15

Matrix: Solid

Date Received: 07/02/21 12:40

Percent Solids: 86.2

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	1210		36.8	24.5	mg/Kg	⚠	07/06/21 10:45	07/08/21 00:33	1
Selenium	ND		4.9	0.49	mg/Kg	⚠	07/06/21 10:45	07/08/21 00:33	1
Silver	ND		0.74	0.25	mg/Kg	⚠	07/06/21 10:45	07/08/21 00:33	1
Sodium	149	J	172	15.9	mg/Kg	⚠	07/06/21 10:45	07/08/21 00:33	1
Thallium	ND		7.4	0.37	mg/Kg	⚠	07/06/21 10:45	07/08/21 00:33	1
Vanadium	15.7		0.61	0.13	mg/Kg	⚠	07/06/21 10:45	07/08/21 00:33	1
Zinc	103		2.5	0.78	mg/Kg	⚠	07/06/21 10:45	07/08/21 00:33	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.16		0.023	0.0053	mg/Kg	⚠	07/07/21 14:28	07/07/21 16:20	1

Surrogate Summary

Client: C&S Engineers, Inc.
Project/Site: Buffalo Salvation Army

Job ID: 480-186813-1

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TOL (71-125)	DCA (64-126)	BFB (72-126)	DBFM (60-140)
480-186813-5	EB-03-4-5FT	101	97	93	99
480-186813-6	EB-02-4FT	103	102	89	100
480-186813-7	EB-04-1-2FT	100	103	91	92
480-186813-8	EB-05-1-2FT	104	99	87	100
480-186813-9	EB-07-1-FT	98	104	96	102
480-186813-10	EB-06-1-2FT	98	100	93	99
LCS 480-588334/1-A	Lab Control Sample	100	100	97	99
MB 480-588334/2-A	Method Blank	98	105	94	101

Surrogate Legend

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

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		NBZ (53-120)	PHL (54-120)	TPHd14 (79-130)	TBP (54-120)	FBP (60-120)	2FP (52-120)
480-186813-1	SS-01	86	90	105	104	101	83
480-186813-2	SS-02	83	77	102	102	99	71
480-186813-3	SS-03	79	81	98	103	95	76
480-186813-4	SS-04	76	76	97	88	91	73
480-186813-5	EB-03-4-5FT	84	90	104	92	103	82
480-186813-6	EB-02-4FT	69	83	93	91	93	74
480-186813-7	EB-04-1-2FT	80	74	92	0 S1-	91	79
480-186813-7 MS	EB-04-1-2FT	62	66	82	0 S1-	77	0 S1-
480-186813-7 MSD	EB-04-1-2FT	86	92	109	0 S1-	103	92
480-186813-8	EB-05-1-2FT	82	92	108	103	104	83
480-186813-9	EB-07-1-FT	78	82	99	91	97	78
480-186813-10	EB-06-1-2FT	67	75	87	81	82	68
LCS 480-588670/2-A	Lab Control Sample	70	71	110	109	82	69
MB 480-588670/1-A	Method Blank	69	71	99	82	80	68

Surrogate Legend

NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)
TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		TCX2 (60-154)	DCBP2 (65-174)
480-186813-1	SS-01	131	120

Eurofins TestAmerica, Buffalo

Surrogate Summary

Client: C&S Engineers, Inc.
Project/Site: Buffalo Salvation Army

Job ID: 480-186813-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	TCX2 (60-154)	DCBP2 (65-174)
480-186813-2	SS-02	151	137
480-186813-3	SS-03	140	129
480-186813-4	SS-04	136	136
480-186813-5	EB-03-4-5FT	153	144
480-186813-6	EB-02-4FT	139	135
480-186813-7	EB-04-1-2FT	144	151
480-186813-8	EB-05-1-2FT	142	134
480-186813-9	EB-07-1-FT	147	134
480-186813-10	EB-06-1-2FT	151	135
LCS 480-588373/2-A	Lab Control Sample	139	141
MB 480-588373/1-A	Method Blank	148	139

Surrogate Legend

TCX = Tetrachloro-m-xylene

DCBP = DCB Decachlorobiphenyl

QC Sample Results

Client: C&S Engineers, Inc.
Project/Site: Buffalo Salvation Army

Job ID: 480-186813-1

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

Lab Sample ID: MB 480-588334/2-A

Matrix: Solid

Analysis Batch: 588336

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 588334

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.36	ug/Kg		07/07/21 17:40	07/07/21 20:25	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.81	ug/Kg		07/07/21 17:40	07/07/21 20:25	1
1,1,2-Trichloroethane	ND		5.0	0.65	ug/Kg		07/07/21 17:40	07/07/21 20:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg		07/07/21 17:40	07/07/21 20:25	1
1,1-Dichloroethane	ND		5.0	0.61	ug/Kg		07/07/21 17:40	07/07/21 20:25	1
1,1-Dichloroethene	ND		5.0	0.61	ug/Kg		07/07/21 17:40	07/07/21 20:25	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/Kg		07/07/21 17:40	07/07/21 20:25	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.5	ug/Kg		07/07/21 17:40	07/07/21 20:25	1
1,2-Dichlorobenzene	ND		5.0	0.39	ug/Kg		07/07/21 17:40	07/07/21 20:25	1
1,2-Dichloroethane	ND		5.0	0.25	ug/Kg		07/07/21 17:40	07/07/21 20:25	1
1,2-Dichloropropane	ND		5.0	2.5	ug/Kg		07/07/21 17:40	07/07/21 20:25	1
1,3-Dichlorobenzene	ND		5.0	0.26	ug/Kg		07/07/21 17:40	07/07/21 20:25	1
1,4-Dichlorobenzene	ND		5.0	0.70	ug/Kg		07/07/21 17:40	07/07/21 20:25	1
2-Butanone (MEK)	ND		25	1.8	ug/Kg		07/07/21 17:40	07/07/21 20:25	1
2-Hexanone	ND		25	2.5	ug/Kg		07/07/21 17:40	07/07/21 20:25	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.6	ug/Kg		07/07/21 17:40	07/07/21 20:25	1
Acetone	ND		25	4.2	ug/Kg		07/07/21 17:40	07/07/21 20:25	1
Benzene	ND		5.0	0.25	ug/Kg		07/07/21 17:40	07/07/21 20:25	1
Bromodichloromethane	ND		5.0	0.67	ug/Kg		07/07/21 17:40	07/07/21 20:25	1
Bromoform	ND		5.0	2.5	ug/Kg		07/07/21 17:40	07/07/21 20:25	1
Bromomethane	ND		5.0	0.45	ug/Kg		07/07/21 17:40	07/07/21 20:25	1
Carbon disulfide	ND		5.0	2.5	ug/Kg		07/07/21 17:40	07/07/21 20:25	1
Carbon tetrachloride	ND		5.0	0.48	ug/Kg		07/07/21 17:40	07/07/21 20:25	1
Chlorobenzene	ND		5.0	0.66	ug/Kg		07/07/21 17:40	07/07/21 20:25	1
Dibromochloromethane	ND		5.0	0.64	ug/Kg		07/07/21 17:40	07/07/21 20:25	1
Chloroethane	ND		5.0	1.1	ug/Kg		07/07/21 17:40	07/07/21 20:25	1
Chloroform	0.420	J	5.0	0.31	ug/Kg		07/07/21 17:40	07/07/21 20:25	1
Chloromethane	ND		5.0	0.30	ug/Kg		07/07/21 17:40	07/07/21 20:25	1
cis-1,2-Dichloroethene	ND		5.0	0.64	ug/Kg		07/07/21 17:40	07/07/21 20:25	1
cis-1,3-Dichloropropene	ND		5.0	0.72	ug/Kg		07/07/21 17:40	07/07/21 20:25	1
Cyclohexane	ND		5.0	0.70	ug/Kg		07/07/21 17:40	07/07/21 20:25	1
Dichlorodifluoromethane	ND		5.0	0.41	ug/Kg		07/07/21 17:40	07/07/21 20:25	1
Ethylbenzene	ND		5.0	0.35	ug/Kg		07/07/21 17:40	07/07/21 20:25	1
1,2-Dibromoethane	ND		5.0	0.64	ug/Kg		07/07/21 17:40	07/07/21 20:25	1
Isopropylbenzene	ND		5.0	0.75	ug/Kg		07/07/21 17:40	07/07/21 20:25	1
Methyl acetate	ND		25	3.0	ug/Kg		07/07/21 17:40	07/07/21 20:25	1
Methyl tert-butyl ether	ND		5.0	0.49	ug/Kg		07/07/21 17:40	07/07/21 20:25	1
Methylcyclohexane	ND		5.0	0.76	ug/Kg		07/07/21 17:40	07/07/21 20:25	1
Methylene Chloride	30.4		5.0	2.3	ug/Kg		07/07/21 17:40	07/07/21 20:25	1
Styrene	ND		5.0	0.25	ug/Kg		07/07/21 17:40	07/07/21 20:25	1
Tetrachloroethene	ND		5.0	0.67	ug/Kg		07/07/21 17:40	07/07/21 20:25	1
Toluene	ND		5.0	0.38	ug/Kg		07/07/21 17:40	07/07/21 20:25	1
trans-1,2-Dichloroethene	ND		5.0	0.52	ug/Kg		07/07/21 17:40	07/07/21 20:25	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg		07/07/21 17:40	07/07/21 20:25	1
Trichloroethene	ND		5.0	1.1	ug/Kg		07/07/21 17:40	07/07/21 20:25	1
Trichlorofluoromethane	ND		5.0	0.47	ug/Kg		07/07/21 17:40	07/07/21 20:25	1
Vinyl chloride	ND		5.0	0.61	ug/Kg		07/07/21 17:40	07/07/21 20:25	1
Xylenes, Total	ND		10	0.84	ug/Kg		07/07/21 17:40	07/07/21 20:25	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: C&S Engineers, Inc.
Project/Site: Buffalo Salvation Army

Job ID: 480-186813-1

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

Lab Sample ID: MB 480-588334/2-A

Matrix: Solid

Analysis Batch: 588336

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 588334

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		71 - 125	07/07/21 17:40	07/07/21 20:25	1
1,2-Dichloroethane-d4 (Surr)	105		64 - 126	07/07/21 17:40	07/07/21 20:25	1
4-Bromofluorobenzene (Surr)	94		72 - 126	07/07/21 17:40	07/07/21 20:25	1
Dibromofluoromethane (Surr)	101		60 - 140	07/07/21 17:40	07/07/21 20:25	1

Lab Sample ID: LCS 480-588334/1-A

Matrix: Solid

Analysis Batch: 588336

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 588334

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	50.0	49.5		ug/Kg		99	77 - 121
1,1,1,2,2-Tetrachloroethane	50.0	51.7		ug/Kg		103	80 - 120
1,1,1,2-Trichloroethane	50.0	52.4		ug/Kg		105	78 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	48.7		ug/Kg		97	60 - 140
1,1-Dichloroethane	50.0	48.3		ug/Kg		97	73 - 126
1,1-Dichloroethene	50.0	49.0		ug/Kg		98	59 - 125
1,2,4-Trichlorobenzene	50.0	45.9		ug/Kg		92	64 - 120
1,2-Dibromo-3-Chloropropane	50.0	49.2		ug/Kg		98	63 - 124
1,2-Dichlorobenzene	50.0	47.6		ug/Kg		95	75 - 120
1,2-Dichloroethane	50.0	47.9		ug/Kg		96	77 - 122
1,2-Dichloropropane	50.0	49.0		ug/Kg		98	75 - 124
1,3-Dichlorobenzene	50.0	48.9		ug/Kg		98	74 - 120
1,4-Dichlorobenzene	50.0	49.0		ug/Kg		98	73 - 120
2-Butanone (MEK)	250	260		ug/Kg		104	70 - 134
2-Hexanone	250	283		ug/Kg		113	59 - 130
4-Methyl-2-pentanone (MIBK)	250	261		ug/Kg		104	65 - 133
Acetone	250	257		ug/Kg		103	61 - 137
Benzene	50.0	50.1		ug/Kg		100	79 - 127
Bromodichloromethane	50.0	52.9		ug/Kg		106	80 - 122
Bromoform	50.0	51.4		ug/Kg		103	68 - 126
Bromomethane	50.0	58.8		ug/Kg		118	37 - 149
Carbon disulfide	50.0	47.1		ug/Kg		94	64 - 131
Carbon tetrachloride	50.0	53.1		ug/Kg		106	75 - 135
Chlorobenzene	50.0	49.5		ug/Kg		99	76 - 124
Dibromochloromethane	50.0	56.3		ug/Kg		113	76 - 125
Chloroethane	50.0	63.4		ug/Kg		127	69 - 135
Chloroform	50.0	49.1		ug/Kg		98	80 - 120
Chloromethane	50.0	49.2		ug/Kg		98	63 - 127
cis-1,2-Dichloroethene	50.0	49.1		ug/Kg		98	81 - 120
cis-1,3-Dichloropropene	50.0	50.9		ug/Kg		102	80 - 120
Cyclohexane	50.0	43.2		ug/Kg		86	65 - 120
Dichlorodifluoromethane	50.0	30.0		ug/Kg		60	57 - 142
Ethylbenzene	50.0	50.5		ug/Kg		101	80 - 120
1,2-Dibromoethane	50.0	51.1		ug/Kg		102	78 - 120
Isopropylbenzene	50.0	48.3		ug/Kg		97	72 - 120
Methyl acetate	100	97.2		ug/Kg		97	55 - 136
Methyl tert-butyl ether	50.0	46.5		ug/Kg		93	63 - 125
Methylcyclohexane	50.0	46.4		ug/Kg		93	60 - 140

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: C&S Engineers, Inc.
Project/Site: Buffalo Salvation Army

Job ID: 480-186813-1

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

Lab Sample ID: LCS 480-588334/1-A

Matrix: Solid

Analysis Batch: 588336

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 588334

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	50.0	85.5	*+	ug/Kg		171	61 - 127
Styrene	50.0	48.5		ug/Kg		97	80 - 120
Tetrachloroethene	50.0	48.5		ug/Kg		97	74 - 122
Toluene	50.0	50.3		ug/Kg		101	74 - 128
trans-1,2-Dichloroethene	50.0	50.3		ug/Kg		101	78 - 126
trans-1,3-Dichloropropene	50.0	53.4		ug/Kg		107	73 - 123
Trichloroethene	50.0	49.2		ug/Kg		98	77 - 129
Trichlorofluoromethane	50.0	51.7		ug/Kg		103	65 - 146
Vinyl chloride	50.0	55.4		ug/Kg		111	61 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	100		71 - 125
1,2-Dichloroethane-d4 (Surr)	100		64 - 126
4-Bromofluorobenzene (Surr)	97		72 - 126
Dibromofluoromethane (Surr)	99		60 - 140

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

Lab Sample ID: MB 480-588670/1-A

Matrix: Solid

Analysis Batch: 588841

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 588670

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		170	25	ug/Kg		07/12/21 07:49	07/13/21 12:56	1
bis (2-chloroisopropyl) ether	ND		170	34	ug/Kg		07/12/21 07:49	07/13/21 12:56	1
2,4,5-Trichlorophenol	ND		170	45	ug/Kg		07/12/21 07:49	07/13/21 12:56	1
2,4,6-Trichlorophenol	ND		170	34	ug/Kg		07/12/21 07:49	07/13/21 12:56	1
2,4-Dichlorophenol	ND		170	18	ug/Kg		07/12/21 07:49	07/13/21 12:56	1
2,4-Dimethylphenol	ND		170	40	ug/Kg		07/12/21 07:49	07/13/21 12:56	1
2,4-Dinitrophenol	ND		1600	770	ug/Kg		07/12/21 07:49	07/13/21 12:56	1
2,4-Dinitrotoluene	ND		170	35	ug/Kg		07/12/21 07:49	07/13/21 12:56	1
2,6-Dinitrotoluene	ND		170	20	ug/Kg		07/12/21 07:49	07/13/21 12:56	1
2-Chloronaphthalene	ND		170	28	ug/Kg		07/12/21 07:49	07/13/21 12:56	1
2-Chlorophenol	ND		330	31	ug/Kg		07/12/21 07:49	07/13/21 12:56	1
2-Methylphenol	ND		170	20	ug/Kg		07/12/21 07:49	07/13/21 12:56	1
2-Methylnaphthalene	ND		170	34	ug/Kg		07/12/21 07:49	07/13/21 12:56	1
2-Nitroaniline	ND		330	25	ug/Kg		07/12/21 07:49	07/13/21 12:56	1
2-Nitrophenol	ND		170	47	ug/Kg		07/12/21 07:49	07/13/21 12:56	1
3,3'-Dichlorobenzidine	ND		330	200	ug/Kg		07/12/21 07:49	07/13/21 12:56	1
3-Nitroaniline	ND		330	46	ug/Kg		07/12/21 07:49	07/13/21 12:56	1
4,6-Dinitro-2-methylphenol	ND		330	170	ug/Kg		07/12/21 07:49	07/13/21 12:56	1
4-Bromophenyl phenyl ether	ND		170	24	ug/Kg		07/12/21 07:49	07/13/21 12:56	1
4-Chloro-3-methylphenol	ND		170	41	ug/Kg		07/12/21 07:49	07/13/21 12:56	1
4-Chloroaniline	ND		170	41	ug/Kg		07/12/21 07:49	07/13/21 12:56	1
4-Chlorophenyl phenyl ether	ND		170	21	ug/Kg		07/12/21 07:49	07/13/21 12:56	1
4-Methylphenol	ND		330	20	ug/Kg		07/12/21 07:49	07/13/21 12:56	1
4-Nitroaniline	ND		330	88	ug/Kg		07/12/21 07:49	07/13/21 12:56	1
4-Nitrophenol	ND		330	120	ug/Kg		07/12/21 07:49	07/13/21 12:56	1
Acenaphthene	ND		170	25	ug/Kg		07/12/21 07:49	07/13/21 12:56	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: C&S Engineers, Inc.
Project/Site: Buffalo Salvation Army

Job ID: 480-186813-1

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

Lab Sample ID: MB 480-588670/1-A

Matrix: Solid

Analysis Batch: 588841

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 588670

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	ND		170	22	ug/Kg		07/12/21 07:49	07/13/21 12:56	1
Acetophenone	ND		170	23	ug/Kg		07/12/21 07:49	07/13/21 12:56	1
Anthracene	ND		170	41	ug/Kg		07/12/21 07:49	07/13/21 12:56	1
Atrazine	ND		170	58	ug/Kg		07/12/21 07:49	07/13/21 12:56	1
Benzaldehyde	ND		170	130	ug/Kg		07/12/21 07:49	07/13/21 12:56	1
Benzo[a]anthracene	ND		170	17	ug/Kg		07/12/21 07:49	07/13/21 12:56	1
Benzo[a]pyrene	ND		170	25	ug/Kg		07/12/21 07:49	07/13/21 12:56	1
Benzo[b]fluoranthene	ND		170	27	ug/Kg		07/12/21 07:49	07/13/21 12:56	1
Benzo[g,h,i]perylene	ND		170	18	ug/Kg		07/12/21 07:49	07/13/21 12:56	1
Benzo[k]fluoranthene	ND		170	22	ug/Kg		07/12/21 07:49	07/13/21 12:56	1
Bis(2-chloroethoxy)methane	ND		170	36	ug/Kg		07/12/21 07:49	07/13/21 12:56	1
Bis(2-chloroethyl)ether	ND		170	22	ug/Kg		07/12/21 07:49	07/13/21 12:56	1
Bis(2-ethylhexyl) phthalate	ND		170	57	ug/Kg		07/12/21 07:49	07/13/21 12:56	1
Butyl benzyl phthalate	ND		170	28	ug/Kg		07/12/21 07:49	07/13/21 12:56	1
Caprolactam	ND		170	50	ug/Kg		07/12/21 07:49	07/13/21 12:56	1
Carbazole	ND		170	20	ug/Kg		07/12/21 07:49	07/13/21 12:56	1
Chrysene	ND		170	38	ug/Kg		07/12/21 07:49	07/13/21 12:56	1
Dibenz(a,h)anthracene	ND		170	30	ug/Kg		07/12/21 07:49	07/13/21 12:56	1
Di-n-butyl phthalate	ND		170	29	ug/Kg		07/12/21 07:49	07/13/21 12:56	1
Di-n-octyl phthalate	ND		170	20	ug/Kg		07/12/21 07:49	07/13/21 12:56	1
Dibenzofuran	ND		170	20	ug/Kg		07/12/21 07:49	07/13/21 12:56	1
Diethyl phthalate	ND		170	22	ug/Kg		07/12/21 07:49	07/13/21 12:56	1
Dimethyl phthalate	ND		170	20	ug/Kg		07/12/21 07:49	07/13/21 12:56	1
Fluoranthene	ND		170	18	ug/Kg		07/12/21 07:49	07/13/21 12:56	1
Fluorene	ND		170	20	ug/Kg		07/12/21 07:49	07/13/21 12:56	1
Hexachlorobenzene	ND		170	23	ug/Kg		07/12/21 07:49	07/13/21 12:56	1
Hexachlorobutadiene	ND		170	25	ug/Kg		07/12/21 07:49	07/13/21 12:56	1
Hexachlorocyclopentadiene	ND		170	23	ug/Kg		07/12/21 07:49	07/13/21 12:56	1
Hexachloroethane	ND		170	22	ug/Kg		07/12/21 07:49	07/13/21 12:56	1
Indeno[1,2,3-cd]pyrene	ND		170	21	ug/Kg		07/12/21 07:49	07/13/21 12:56	1
Isophorone	ND		170	36	ug/Kg		07/12/21 07:49	07/13/21 12:56	1
N-Nitrosodi-n-propylamine	ND		170	29	ug/Kg		07/12/21 07:49	07/13/21 12:56	1
N-Nitrosodiphenylamine	ND		170	140	ug/Kg		07/12/21 07:49	07/13/21 12:56	1
Naphthalene	ND		170	22	ug/Kg		07/12/21 07:49	07/13/21 12:56	1
Nitrobenzene	ND		170	19	ug/Kg		07/12/21 07:49	07/13/21 12:56	1
Pentachlorophenol	ND		330	170	ug/Kg		07/12/21 07:49	07/13/21 12:56	1
Phenanthrene	ND		170	25	ug/Kg		07/12/21 07:49	07/13/21 12:56	1
Phenol	ND		170	26	ug/Kg		07/12/21 07:49	07/13/21 12:56	1
Pyrene	ND		170	20	ug/Kg		07/12/21 07:49	07/13/21 12:56	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	69		53 - 120	07/12/21 07:49	07/13/21 12:56	1
Phenol-d5 (Surr)	71		54 - 120	07/12/21 07:49	07/13/21 12:56	1
p-Terphenyl-d14 (Surr)	99		79 - 130	07/12/21 07:49	07/13/21 12:56	1
2,4,6-Tribromophenol (Surr)	82		54 - 120	07/12/21 07:49	07/13/21 12:56	1
2-Fluorobiphenyl	80		60 - 120	07/12/21 07:49	07/13/21 12:56	1
2-Fluorophenol (Surr)	68		52 - 120	07/12/21 07:49	07/13/21 12:56	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: C&S Engineers, Inc.
Project/Site: Buffalo Salvation Army

Job ID: 480-186813-1

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

Lab Sample ID: LCS 480-588670/2-A

Matrix: Solid

Analysis Batch: 588841

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 588670

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Biphenyl	1660	1320		ug/Kg		80	59 - 120
bis (2-chloroisopropyl) ether	1660	945		ug/Kg		57	44 - 120
2,4,5-Trichlorophenol	1660	1430		ug/Kg		86	59 - 126
2,4,6-Trichlorophenol	1660	1450		ug/Kg		87	59 - 123
2,4-Dichlorophenol	1660	1350		ug/Kg		81	61 - 120
2,4-Dimethylphenol	1660	1240		ug/Kg		75	59 - 120
2,4-Dinitrophenol	3320	3140		ug/Kg		94	41 - 146
2,4-Dinitrotoluene	1660	1350		ug/Kg		81	63 - 120
2,6-Dinitrotoluene	1660	1380		ug/Kg		83	66 - 120
2-Chloronaphthalene	1660	1300		ug/Kg		78	57 - 120
2-Chlorophenol	1660	1210		ug/Kg		73	53 - 120
2-Methylphenol	1660	1240		ug/Kg		74	54 - 120
2-Methylnaphthalene	1660	1230		ug/Kg		74	59 - 120
2-Nitroaniline	1660	1230		ug/Kg		74	61 - 120
2-Nitrophenol	1660	1340		ug/Kg		80	56 - 120
3,3'-Dichlorobenzidine	3320	2850		ug/Kg		86	54 - 120
3-Nitroaniline	1660	1130		ug/Kg		68	48 - 120
4,6-Dinitro-2-methylphenol	3320	3760		ug/Kg		113	49 - 122
4-Bromophenyl phenyl ether	1660	1660		ug/Kg		100	58 - 120
4-Chloro-3-methylphenol	1660	1340		ug/Kg		81	61 - 120
4-Chloroaniline	1660	1110		ug/Kg		67	38 - 120
4-Chlorophenyl phenyl ether	1660	1410		ug/Kg		85	63 - 124
4-Methylphenol	1660	1260		ug/Kg		76	55 - 120
4-Nitroaniline	1660	1200		ug/Kg		72	56 - 120
4-Nitrophenol	3320	2470		ug/Kg		74	43 - 147
Acenaphthene	1660	1310		ug/Kg		79	62 - 120
Acenaphthylene	1660	1360		ug/Kg		82	58 - 121
Acetophenone	1660	1160		ug/Kg		70	54 - 120
Anthracene	1660	1530		ug/Kg		92	62 - 120
Atrazine	3320	2590		ug/Kg		78	60 - 127
Benzaldehyde	3320	2330		ug/Kg		70	10 - 150
Benzo[a]anthracene	1660	1630		ug/Kg		98	65 - 120
Benzo[a]pyrene	1660	1520		ug/Kg		92	64 - 120
Benzo[b]fluoranthene	1660	1630		ug/Kg		98	64 - 120
Benzo[g,h,i]perylene	1660	1430		ug/Kg		86	45 - 145
Benzo[k]fluoranthene	1660	1750		ug/Kg		105	65 - 120
Bis(2-chloroethoxy)methane	1660	1260		ug/Kg		76	55 - 120
Bis(2-chloroethyl)ether	1660	1130		ug/Kg		68	45 - 120
Bis(2-ethylhexyl) phthalate	1660	1640		ug/Kg		99	61 - 133
Butyl benzyl phthalate	1660	1670		ug/Kg		100	61 - 129
Caprolactam	3320	2450		ug/Kg		74	47 - 120
Carbazole	1660	1470		ug/Kg		89	65 - 120
Chrysene	1660	1650		ug/Kg		99	64 - 120
Dibenz(a,h)anthracene	1660	1520		ug/Kg		92	54 - 132
Di-n-butyl phthalate	1660	1480		ug/Kg		89	58 - 130
Di-n-octyl phthalate	1660	1470		ug/Kg		89	57 - 133
Dibenzofuran	1660	1330		ug/Kg		80	63 - 120
Diethyl phthalate	1660	1340		ug/Kg		81	66 - 120

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: C&S Engineers, Inc.
Project/Site: Buffalo Salvation Army

Job ID: 480-186813-1

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

Lab Sample ID: LCS 480-588670/2-A

Matrix: Solid

Analysis Batch: 588841

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 588670

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dimethyl phthalate	1660	1370		ug/Kg		83	65 - 124
Fluoranthene	1660	1380		ug/Kg		83	62 - 120
Fluorene	1660	1330		ug/Kg		80	63 - 120
Hexachlorobenzene	1660	1640		ug/Kg		99	60 - 120
Hexachlorobutadiene	1660	1300		ug/Kg		78	45 - 120
Hexachlorocyclopentadiene	1660	1320		ug/Kg		79	47 - 120
Hexachloroethane	1660	1080		ug/Kg		65	41 - 120
Indeno[1,2,3-cd]pyrene	1660	1460		ug/Kg		88	56 - 134
Isophorone	1660	1210		ug/Kg		73	56 - 120
N-Nitrosodi-n-propylamine	1660	1130		ug/Kg		68	52 - 120
N-Nitrosodiphenylamine	1660	1550		ug/Kg		93	51 - 128
Naphthalene	1660	1220		ug/Kg		73	55 - 120
Nitrobenzene	1660	1170		ug/Kg		71	54 - 120
Pentachlorophenol	3320	3360		ug/Kg		101	51 - 120
Phenanthrene	1660	1550		ug/Kg		93	60 - 120
Phenol	1660	1220		ug/Kg		73	53 - 120
Pyrene	1660	1770		ug/Kg		106	61 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5 (Surr)	70		53 - 120
Phenol-d5 (Surr)	71		54 - 120
p-Terphenyl-d14 (Surr)	110		79 - 130
2,4,6-Tribromophenol (Surr)	109		54 - 120
2-Fluorobiphenyl	82		60 - 120
2-Fluorophenol (Surr)	69		52 - 120

Lab Sample ID: 480-186813-7 MS

Matrix: Solid

Analysis Batch: 588841

Client Sample ID: EB-04-1-2FT

Prep Type: Total/NA

Prep Batch: 588670

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Biphenyl	ND	F2	1890	1480	J	ug/Kg	⊛	78	58 - 120
bis (2-chloroisopropyl) ether	ND	F2	1890	977	J	ug/Kg	⊛	52	31 - 120
2,4,5-Trichlorophenol	ND	F1	1890	ND	F1	ug/Kg	⊛	0	46 - 120
2,4,6-Trichlorophenol	ND	F1	1890	ND	F1	ug/Kg	⊛	0	41 - 123
2,4-Dichlorophenol	ND		1890	1470	J	ug/Kg	⊛	78	45 - 120
2,4-Dimethylphenol	ND		1890	1230	J	ug/Kg	⊛	65	52 - 120
2,4-Dinitrophenol	ND		3780	ND		ug/Kg	⊛	NC	41 - 146
2,4-Dinitrotoluene	ND	F2	1890	1420	J	ug/Kg	⊛	75	63 - 125
2,6-Dinitrotoluene	ND		1890	1650	J	ug/Kg	⊛	87	66 - 120
2-Chloronaphthalene	ND	F2	1890	1410	J	ug/Kg	⊛	75	57 - 120
2-Chlorophenol	ND	F2	1890	1260	J	ug/Kg	⊛	67	43 - 120
2-Methylphenol	ND		1890	1410	J	ug/Kg	⊛	74	48 - 120
2-Methylnaphthalene	ND	F2	1890	1330	J	ug/Kg	⊛	71	55 - 120
2-Nitroaniline	ND	F2	1890	1180	J	ug/Kg	⊛	63	61 - 120
2-Nitrophenol	ND		1890	1470	J	ug/Kg	⊛	78	37 - 120
3,3'-Dichlorobenzidine	ND		3780	ND		ug/Kg	⊛	NC	37 - 126
3-Nitroaniline	ND	F2	1890	1220	J	ug/Kg	⊛	65	48 - 120

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: C&S Engineers, Inc.
Project/Site: Buffalo Salvation Army

Job ID: 480-186813-1

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

Lab Sample ID: 480-186813-7 MS

Matrix: Solid

Analysis Batch: 588841

Client Sample ID: EB-04-1-2FT

Prep Type: Total/NA

Prep Batch: 588670

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
4,6-Dinitro-2-methylphenol	ND		3780	ND		ug/Kg	✱	NC	23 - 149
4-Bromophenyl phenyl ether	ND	F2	1890	1510	J	ug/Kg	✱	80	58 - 120
4-Chloro-3-methylphenol	ND		1890	1340	J	ug/Kg	✱	71	49 - 125
4-Chloroaniline	ND	F2	1890	1080	J	ug/Kg	✱	57	38 - 120
4-Chlorophenyl phenyl ether	ND	F2	1890	1550	J	ug/Kg	✱	82	63 - 124
4-Methylphenol	ND	F2	1890	1270	J	ug/Kg	✱	67	50 - 120
4-Nitroaniline	ND		1890	ND		ug/Kg	✱	NC	47 - 120
4-Nitrophenol	ND	F1	3780	ND	F1	ug/Kg	✱	0	31 - 147
Acenaphthene	ND		1890	1540	J	ug/Kg	✱	82	60 - 120
Acenaphthylene	ND	F2	1890	1540	J	ug/Kg	✱	82	58 - 121
Acetophenone	ND	F2	1890	1150	J	ug/Kg	✱	61	47 - 120
Anthracene	ND	F2	1890	1480	J	ug/Kg	✱	78	62 - 120
Atrazine	ND	F2	3780	3270	J	ug/Kg	✱	87	60 - 150
Benzaldehyde	ND	F1	3780	ND	F1	ug/Kg	✱	0	10 - 150
Benzo[a]anthracene	1900	J F1 F2	1890	3510	J	ug/Kg	✱	85	65 - 120
Benzo[a]pyrene	1600	J F2	1890	3220	J	ug/Kg	✱	86	64 - 120
Benzo[b]fluoranthene	2500	J F2	1890	3900		ug/Kg	✱	74	10 - 150
Benzo[g,h,i]perylene	1100	J F2	1890	2570	J	ug/Kg	✱	80	45 - 145
Benzo[k]fluoranthene	950	J	1890	2820	J	ug/Kg	✱	99	23 - 150
Bis(2-chloroethoxy)methane	ND	F2	1890	1330	J	ug/Kg	✱	71	52 - 120
Bis(2-chloroethyl)ether	ND	F2	1890	1160	J	ug/Kg	✱	61	45 - 120
Bis(2-ethylhexyl) phthalate	ND	F2	1890	1520	J	ug/Kg	✱	80	61 - 133
Butyl benzyl phthalate	ND	F2	1890	1420	J	ug/Kg	✱	75	61 - 120
Caprolactam	ND	F2	3780	2750	J	ug/Kg	✱	73	37 - 133
Carbazole	ND	F2	1890	1310	J	ug/Kg	✱	69	59 - 120
Chrysene	1800	J F1 F2	1890	3390	J	ug/Kg	✱	86	64 - 120
Dibenz(a,h)anthracene	ND	F2	1890	1900	J	ug/Kg	✱	100	54 - 132
Di-n-butyl phthalate	ND	F2	1890	1460	J	ug/Kg	✱	77	58 - 130
Di-n-octyl phthalate	ND	F2	1890	1500	J	ug/Kg	✱	79	57 - 133
Dibenzofuran	ND	F2	1890	1490	J	ug/Kg	✱	79	62 - 120
Diethyl phthalate	ND	F2	1890	1340	J	ug/Kg	✱	71	66 - 120
Dimethyl phthalate	ND	F2	1890	1400	J	ug/Kg	✱	74	65 - 124
Fluoranthene	4500	F1 F2	1890	6200		ug/Kg	✱	88	62 - 120
Fluorene	ND	F2	1890	1560	J	ug/Kg	✱	83	63 - 120
Hexachlorobenzene	ND	F2	1890	1440	J	ug/Kg	✱	76	60 - 120
Hexachlorobutadiene	ND		1890	1470	J	ug/Kg	✱	78	45 - 120
Hexachlorocyclopentadiene	ND	F1	1890	ND	F1	ug/Kg	✱	0	31 - 120
Hexachloroethane	ND		1890	1260	J	ug/Kg	✱	67	21 - 120
Indeno[1,2,3-cd]pyrene	930	J F2	1890	2530	J	ug/Kg	✱	85	56 - 134
Isophorone	ND	F2	1890	1240	J	ug/Kg	✱	66	56 - 120
N-Nitrosodi-n-propylamine	ND	F2	1890	1180	J	ug/Kg	✱	63	46 - 120
N-Nitrosodiphenylamine	ND		1890	ND		ug/Kg	✱	NC	20 - 128
Naphthalene	ND	F2	1890	1440	J	ug/Kg	✱	76	46 - 120
Nitrobenzene	ND	F2	1890	1170	J	ug/Kg	✱	62	49 - 120
Pentachlorophenol	ND		3780	ND		ug/Kg	✱	NC	25 - 136
Phenanthrene	910	J F1 F2	1890	2420	J	ug/Kg	✱	80	60 - 122
Phenol	ND		1890	1320	J	ug/Kg	✱	70	50 - 120
Pyrene	3500	J F1	1890	4900		ug/Kg	✱	76	61 - 133

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: C&S Engineers, Inc.
Project/Site: Buffalo Salvation Army

Job ID: 480-186813-1

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

Lab Sample ID: 480-186813-7 MS

Matrix: Solid

Analysis Batch: 588841

Client Sample ID: EB-04-1-2FT

Prep Type: Total/NA

Prep Batch: 588670

Surrogate	MS %Recovery	MS Qualifier	Limits
Nitrobenzene-d5 (Surr)	62		53 - 120
Phenol-d5 (Surr)	66		54 - 120
p-Terphenyl-d14 (Surr)	82		79 - 130
2,4,6-Tribromophenol (Surr)	0	S1-	54 - 120
2-Fluorobiphenyl	77		60 - 120
2-Fluorophenol (Surr)	0	S1-	52 - 120

Lab Sample ID: 480-186813-7 MSD

Matrix: Solid

Analysis Batch: 588841

Client Sample ID: EB-04-1-2FT

Prep Type: Total/NA

Prep Batch: 588670

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Biphenyl	ND	F2	1870	1860	J F2	ug/Kg	✱	99	58 - 120	23	20
bis (2-chloroisopropyl) ether	ND	F2	1870	1600	J F2	ug/Kg	✱	85	31 - 120	48	24
2,4,5-Trichlorophenol	ND	F1	1870	1370	J	ug/Kg	✱	73	46 - 120	NC	18
2,4,6-Trichlorophenol	ND	F1	1870	952	J	ug/Kg	✱	51	41 - 123	NC	19
2,4-Dichlorophenol	ND		1870	1780	J	ug/Kg	✱	95	45 - 120	19	19
2,4-Dimethylphenol	ND		1870	1740	J	ug/Kg	✱	93	52 - 120	35	42
2,4-Dinitrophenol	ND		3750	ND		ug/Kg	✱	NC	41 - 146	NC	22
2,4-Dinitrotoluene	ND	F2	1870	1880	J F2	ug/Kg	✱	100	63 - 125	28	20
2,6-Dinitrotoluene	ND		1870	1910	J	ug/Kg	✱	102	66 - 120	15	15
2-Chloronaphthalene	ND	F2	1870	1940	J F2	ug/Kg	✱	104	57 - 120	32	21
2-Chlorophenol	ND	F2	1870	1810	J F2	ug/Kg	✱	96	43 - 120	36	25
2-Methylphenol	ND		1870	1850	J	ug/Kg	✱	99	48 - 120	27	27
2-Methylnaphthalene	ND	F2	1870	1920	J F2	ug/Kg	✱	103	55 - 120	36	21
2-Nitroaniline	ND	F2	1870	1740	J F2	ug/Kg	✱	93	61 - 120	38	15
2-Nitrophenol	ND		1870	1710	J	ug/Kg	✱	91	37 - 120	15	18
3,3'-Dichlorobenzidine	ND		3750	ND		ug/Kg	✱	NC	37 - 126	NC	25
3-Nitroaniline	ND	F2	1870	1820	J F2	ug/Kg	✱	97	48 - 120	39	19
4,6-Dinitro-2-methylphenol	ND		3750	ND		ug/Kg	✱	NC	23 - 149	NC	15
4-Bromophenyl phenyl ether	ND	F2	1870	2150	J F2	ug/Kg	✱	115	58 - 120	35	15
4-Chloro-3-methylphenol	ND		1870	1730	J	ug/Kg	✱	92	49 - 125	25	27
4-Chloroaniline	ND	F2	1870	1520	J F2	ug/Kg	✱	81	38 - 120	34	22
4-Chlorophenyl phenyl ether	ND	F2	1870	2020	J F2	ug/Kg	✱	108	63 - 124	26	16
4-Methylphenol	ND	F2	1870	1790	J F2	ug/Kg	✱	96	50 - 120	34	24
4-Nitroaniline	ND		1870	ND		ug/Kg	✱	NC	47 - 120	NC	24
4-Nitrophenol	ND	F1	3750	ND	F1	ug/Kg	✱	0	31 - 147	NC	25
Acenaphthene	ND		1870	1940	J	ug/Kg	✱	103	60 - 120	23	35
Acenaphthylene	ND	F2	1870	2080	J F2	ug/Kg	✱	111	58 - 121	30	18
Acetophenone	ND	F2	1870	1770	J F2	ug/Kg	✱	94	47 - 120	43	20
Anthracene	ND	F2	1870	2110	J F2	ug/Kg	✱	113	62 - 120	35	15
Atrazine	ND	F2	3750	4220	F2	ug/Kg	✱	113	60 - 150	25	20
Benzaldehyde	ND	F1	3750	ND	F1	ug/Kg	✱	0	10 - 150	NC	20
Benzo[a]anthracene	1900	J F1 F2	1870	4270	F1 F2	ug/Kg	✱	126	65 - 120	20	15
Benzo[a]pyrene	1600	J F2	1870	3840	F2	ug/Kg	✱	119	64 - 120	17	15
Benzo[b]fluoranthene	2500	J F2	1870	4820	F2	ug/Kg	✱	124	10 - 150	21	15
Benzo[g,h,i]perylene	1100	J F2	1870	3230	J F2	ug/Kg	✱	115	45 - 145	23	15
Benzo[k]fluoranthene	950	J	1870	3490	J	ug/Kg	✱	136	23 - 150	21	22

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: C&S Engineers, Inc.
Project/Site: Buffalo Salvation Army

Job ID: 480-186813-1

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

Lab Sample ID: 480-186813-7 MSD

Matrix: Solid

Analysis Batch: 588841

Client Sample ID: EB-04-1-2FT

Prep Type: Total/NA

Prep Batch: 588670

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bis(2-chloroethoxy)methane	ND	F2	1870	1870	J F2	ug/Kg	✱	100	52 - 120	34	17
Bis(2-chloroethyl)ether	ND	F2	1870	1780	J F2	ug/Kg	✱	95	45 - 120	42	21
Bis(2-ethylhexyl) phthalate	ND	F2	1870	2230	J F2	ug/Kg	✱	119	61 - 133	38	15
Butyl benzyl phthalate	ND	F2	1870	2150	J F2	ug/Kg	✱	115	61 - 120	41	16
Caprolactam	ND	F2	3750	3730	J F2	ug/Kg	✱	100	37 - 133	30	20
Carbazole	ND	F2	1870	1970	J F2	ug/Kg	✱	105	59 - 120	40	20
Chrysene	1800	J F1 F2	1870	4410	F1 F2	ug/Kg	✱	141	64 - 120	26	15
Dibenz(a,h)anthracene	ND	F2	1870	2400	J F2	ug/Kg	✱	128	54 - 132	23	15
Di-n-butyl phthalate	ND	F2	1870	2140	J F2	ug/Kg	✱	114	58 - 130	38	15
Di-n-octyl phthalate	ND	F2	1870	2110	J F2	ug/Kg	✱	112	57 - 133	34	16
Dibenzofuran	ND	F2	1870	2020	J F2	ug/Kg	✱	108	62 - 120	30	15
Diethyl phthalate	ND	F2	1870	2010	J F2	ug/Kg	✱	107	66 - 120	40	15
Dimethyl phthalate	ND	F2	1870	2110	J F2	ug/Kg	✱	113	65 - 124	41	15
Fluoranthene	4500	F1 F2	1870	7620	F1 F2	ug/Kg	✱	164	62 - 120	21	15
Fluorene	ND	F2	1870	2050	J F2	ug/Kg	✱	110	63 - 120	27	15
Hexachlorobenzene	ND	F2	1870	1920	J F2	ug/Kg	✱	102	60 - 120	29	15
Hexachlorobutadiene	ND		1870	2120	J	ug/Kg	✱	113	45 - 120	36	44
Hexachlorocyclopentadiene	ND	F1	1870	589	J	ug/Kg	✱	31	31 - 120	NC	49
Hexachloroethane	ND		1870	1460	J	ug/Kg	✱	78	21 - 120	14	46
Indeno[1,2,3-cd]pyrene	930	J F2	1870	2990	J F2	ug/Kg	✱	110	56 - 134	17	15
Isophorone	ND	F2	1870	1790	J F2	ug/Kg	✱	95	56 - 120	36	17
N-Nitrosodi-n-propylamine	ND	F2	1870	1650	J F2	ug/Kg	✱	88	46 - 120	33	31
N-Nitrosodiphenylamine	ND		1870	ND		ug/Kg	✱	NC	20 - 128	NC	15
Naphthalene	ND	F2	1870	1960	J F2	ug/Kg	✱	104	46 - 120	30	29
Nitrobenzene	ND	F2	1870	1680	J F2	ug/Kg	✱	90	49 - 120	36	24
Pentachlorophenol	ND		3750	ND		ug/Kg	✱	NC	25 - 136	NC	35
Phenanthrene	910	J F1 F2	1870	3230	J F1 F2	ug/Kg	✱	124	60 - 122	29	15
Phenol	ND		1870	1790	J	ug/Kg	✱	95	50 - 120	30	35
Pyrene	3500	J F1	1870	6240	F1	ug/Kg	✱	148	61 - 133	24	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Nitrobenzene-d5 (Surr)	86		53 - 120
Phenol-d5 (Surr)	92		54 - 120
p-Terphenyl-d14 (Surr)	109		79 - 130
2,4,6-Tribromophenol (Surr)	0	S1-	54 - 120
2-Fluorobiphenyl	103		60 - 120
2-Fluorophenol (Surr)	92		52 - 120

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-588373/1-A

Matrix: Solid

Analysis Batch: 588437

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 588373

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.20	0.039	mg/Kg		07/08/21 08:27	07/08/21 20:32	1
PCB-1221	ND		0.20	0.039	mg/Kg		07/08/21 08:27	07/08/21 20:32	1
PCB-1232	ND		0.20	0.039	mg/Kg		07/08/21 08:27	07/08/21 20:32	1
PCB-1242	ND		0.20	0.039	mg/Kg		07/08/21 08:27	07/08/21 20:32	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: C&S Engineers, Inc.
Project/Site: Buffalo Salvation Army

Job ID: 480-186813-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 480-588373/1-A

Matrix: Solid

Analysis Batch: 588437

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 588373

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1248	ND		0.20	0.039	mg/Kg		07/08/21 08:27	07/08/21 20:32	1
PCB-1254	ND		0.20	0.093	mg/Kg		07/08/21 08:27	07/08/21 20:32	1
PCB-1260	ND		0.20	0.093	mg/Kg		07/08/21 08:27	07/08/21 20:32	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	148		60 - 154	07/08/21 08:27	07/08/21 20:32	1
DCB Decachlorobiphenyl	139		65 - 174	07/08/21 08:27	07/08/21 20:32	1

Lab Sample ID: LCS 480-588373/2-A

Matrix: Solid

Analysis Batch: 588653

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 588373

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	2.00	2.35		mg/Kg		118	51 - 185
PCB-1260	2.00	2.52		mg/Kg		126	61 - 184

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	139		60 - 154
DCB Decachlorobiphenyl	141		65 - 174

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-588098/1-A

Matrix: Solid

Analysis Batch: 588391

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 588098

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		10.2	4.5	mg/Kg		07/06/21 10:45	07/07/21 22:56	1
Antimony	ND		15.3	0.41	mg/Kg		07/06/21 10:45	07/07/21 22:56	1
Arsenic	ND		2.0	0.41	mg/Kg		07/06/21 10:45	07/07/21 22:56	1
Barium	ND	^6+	0.51	0.11	mg/Kg		07/06/21 10:45	07/07/21 22:56	1
Beryllium	ND		0.20	0.028	mg/Kg		07/06/21 10:45	07/07/21 22:56	1
Cadmium	ND		0.20	0.031	mg/Kg		07/06/21 10:45	07/07/21 22:56	1
Calcium	10.74	J	50.9	3.4	mg/Kg		07/06/21 10:45	07/07/21 22:56	1
Chromium	ND		0.51	0.20	mg/Kg		07/06/21 10:45	07/07/21 22:56	1
Cobalt	ND		0.51	0.051	mg/Kg		07/06/21 10:45	07/07/21 22:56	1
Copper	ND		1.0	0.21	mg/Kg		07/06/21 10:45	07/07/21 22:56	1
Iron	4.72	J	10.2	3.6	mg/Kg		07/06/21 10:45	07/07/21 22:56	1
Lead	ND		1.0	0.24	mg/Kg		07/06/21 10:45	07/07/21 22:56	1
Magnesium	2.06	J	20.4	0.94	mg/Kg		07/06/21 10:45	07/07/21 22:56	1
Manganese	0.0641	J	0.20	0.033	mg/Kg		07/06/21 10:45	07/07/21 22:56	1
Nickel	ND		5.1	0.23	mg/Kg		07/06/21 10:45	07/07/21 22:56	1
Potassium	ND		30.5	20.4	mg/Kg		07/06/21 10:45	07/07/21 22:56	1
Selenium	ND		4.1	0.41	mg/Kg		07/06/21 10:45	07/07/21 22:56	1
Silver	ND		0.61	0.20	mg/Kg		07/06/21 10:45	07/07/21 22:56	1
Sodium	ND		142	13.2	mg/Kg		07/06/21 10:45	07/07/21 22:56	1
Thallium	ND		6.1	0.31	mg/Kg		07/06/21 10:45	07/07/21 22:56	1
Vanadium	ND		0.51	0.11	mg/Kg		07/06/21 10:45	07/07/21 22:56	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: C&S Engineers, Inc.
Project/Site: Buffalo Salvation Army

Job ID: 480-186813-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 480-588098/1-A

Matrix: Solid

Analysis Batch: 588391

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 588098

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	ND		2.0	0.65	mg/Kg		07/06/21 10:45	07/07/21 22:56	1

Lab Sample ID: LCSSRM 480-588098/2-A

Matrix: Solid

Analysis Batch: 588391

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 588098

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	8190	8795		mg/Kg		107.4	50.1 - 150.2
Antimony	110	92.26		mg/Kg		83.9	22.2 - 254.5
Arsenic	162	138.3		mg/Kg		85.4	70.4 - 130.2
Barium	138	125.0	^6+	mg/Kg		90.6	74.6 - 124.6
Beryllium	157	150.8		mg/Kg		96.1	75.2 - 125.5
Cadmium	135	128.2		mg/Kg		94.9	74.8 - 124.4
Calcium	4790	4433		mg/Kg		92.5	72.7 - 127.3
Chromium	117	105.6		mg/Kg		90.2	70.1 - 129.9
Cobalt	92.6	98.31		mg/Kg		106.2	75.1 - 125.3
Copper	143	120.5		mg/Kg		84.3	74.8 - 124.5
Iron	15100	12260		mg/Kg		81.2	37.2 - 162.9
Lead	77.6	74.50		mg/Kg		96.0	68.8 - 131.4
Magnesium	2320	2137		mg/Kg		92.1	62.1 - 137.9
Manganese	319	313.6		mg/Kg		98.3	74.9 - 125.1
Nickel	79.9	85.68		mg/Kg		107.2	70.0 - 130.2
Potassium	2050	2024		mg/Kg		98.7	59.5 - 141.0
Selenium	172	155.4		mg/Kg		90.4	68.0 - 132.6
Silver	24.7	20.23		mg/Kg		81.9	67.2 - 133.2
Sodium	137	148.9		mg/Kg		108.7	35.8 - 164.2
Thallium	88.0	95.36		mg/Kg		108.4	66.0 - 134.1
Vanadium	99.9	88.75		mg/Kg		88.8	67.4 - 132.1
Zinc	312	281.2		mg/Kg		90.1	69.9 - 129.8

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: C&S Engineers, Inc.
Project/Site: Buffalo Salvation Army

Job ID: 480-186813-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 480-186813-4 MS

Matrix: Solid

Analysis Batch: 588391

Client Sample ID: SS-04

Prep Type: Total/NA

Prep Batch: 588098

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	9920		2270	17890	4	mg/Kg	✱	351	75 - 125
Antimony	ND	F1	45.4	30.88	F1	mg/Kg	✱	68	75 - 125
Arsenic	3.9		45.4	45.11		mg/Kg	✱	91	75 - 125
Barium	55.7	^6+ F1	45.4	115.3	^6+ F1	mg/Kg	✱	131	75 - 125
Beryllium	0.44		45.4	42.53		mg/Kg	✱	93	75 - 125
Cadmium	0.48		45.4	40.72		mg/Kg	✱	89	75 - 125
Calcium	17000	B	2270	21900	4	mg/Kg	✱	217	75 - 125
Chromium	16.9		45.4	62.11		mg/Kg	✱	100	75 - 125
Cobalt	5.2		45.4	50.12		mg/Kg	✱	99	75 - 125
Copper	20.5		45.4	60.10		mg/Kg	✱	87	75 - 125
Iron	14200	B	2270	17420	4	mg/Kg	✱	140	75 - 125
Lead	92.5		45.4	138.8		mg/Kg	✱	102	75 - 125
Magnesium	7580	F1 B	2270	11720	F1	mg/Kg	✱	182	75 - 125
Manganese	343	B	45.4	397.7	4	mg/Kg	✱	120	75 - 125
Nickel	13.6		45.4	60.09		mg/Kg	✱	102	75 - 125
Potassium	1550	F1	2270	5959	F1	mg/Kg	✱	194	75 - 125
Selenium	1.0	J	45.4	41.01		mg/Kg	✱	88	75 - 125
Silver	ND		11.4	10.15		mg/Kg	✱	89	75 - 125
Sodium	142	J	2280	2385		mg/Kg	✱	99	75 - 125
Thallium	ND		45.4	44.89		mg/Kg	✱	99	75 - 125
Vanadium	21.9		45.4	70.67		mg/Kg	✱	107	75 - 125
Zinc	130		45.4	171.9		mg/Kg	✱	93	75 - 125

Lab Sample ID: 480-186813-4 MSD

Matrix: Solid

Analysis Batch: 588391

Client Sample ID: SS-04

Prep Type: Total/NA

Prep Batch: 588098

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	9920		2070	17170	4	mg/Kg	✱	351	75 - 125	4	20
Antimony	ND	F1	41.3	27.09	F1	mg/Kg	✱	66	75 - 125	13	20
Arsenic	3.9		41.3	40.86		mg/Kg	✱	89	75 - 125	10	20
Barium	55.7	^6+ F1	41.3	109.3	^6+ F1	mg/Kg	✱	130	75 - 125	5	20
Beryllium	0.44		41.3	38.53		mg/Kg	✱	92	75 - 125	10	20
Cadmium	0.48		41.3	36.85		mg/Kg	✱	88	75 - 125	10	20
Calcium	17000	B	2060	25540	4	mg/Kg	✱	415	75 - 125	15	20
Chromium	16.9		41.3	54.90		mg/Kg	✱	92	75 - 125	12	20
Cobalt	5.2		41.3	45.62		mg/Kg	✱	98	75 - 125	9	20
Copper	20.5		41.3	57.11		mg/Kg	✱	89	75 - 125	5	20
Iron	14200	B	2060	16610	4	mg/Kg	✱	116	75 - 125	5	20
Lead	92.5		41.3	127.5		mg/Kg	✱	85	75 - 125	8	20
Magnesium	7580	F1 B	2060	11040	F1	mg/Kg	✱	168	75 - 125	6	20
Manganese	343	B	41.3	392.2	4	mg/Kg	✱	119	75 - 125	1	20
Nickel	13.6		41.3	54.72		mg/Kg	✱	100	75 - 125	9	20
Potassium	1550	F1	2070	5627	F1	mg/Kg	✱	198	75 - 125	6	20
Selenium	1.0	J	41.3	37.49		mg/Kg	✱	88	75 - 125	9	20
Silver	ND		10.3	9.26		mg/Kg	✱	90	75 - 125	9	20
Sodium	142	J	2070	2184		mg/Kg	✱	99	75 - 125	9	20
Thallium	ND		41.3	40.40		mg/Kg	✱	98	75 - 125	11	20
Vanadium	21.9		41.3	65.08		mg/Kg	✱	105	75 - 125	8	20

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: C&S Engineers, Inc.
Project/Site: Buffalo Salvation Army

Job ID: 480-186813-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 480-186813-4 MSD
Matrix: Solid
Analysis Batch: 588391

Client Sample ID: SS-04
Prep Type: Total/NA
Prep Batch: 588098

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Zinc	130		41.3	164.2		mg/Kg	✱	83	75 - 125	5	20

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 480-588193/1-A
Matrix: Solid
Analysis Batch: 588328

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 588193

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.018	0.0041	mg/Kg		07/07/21 14:28	07/07/21 15:44	1

Lab Sample ID: LCSSRM 480-588193/2-A ^10
Matrix: Solid
Analysis Batch: 588328

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 588193

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	27.2	23.66		mg/Kg		87.0	59.9 - 140. 1

QC Association Summary

Client: C&S Engineers, Inc.
Project/Site: Buffalo Salvation Army

Job ID: 480-186813-1

GC/MS VOA

Prep Batch: 588334

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186813-5	EB-03-4-5FT	Total/NA	Solid	5035A_L	
480-186813-6	EB-02-4FT	Total/NA	Solid	5035A_L	
480-186813-7	EB-04-1-2FT	Total/NA	Solid	5035A_L	
480-186813-8	EB-05-1-2FT	Total/NA	Solid	5035A_L	
480-186813-9	EB-07-1-FT	Total/NA	Solid	5035A_L	
480-186813-10	EB-06-1-2FT	Total/NA	Solid	5035A_L	
MB 480-588334/2-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-588334/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	

Analysis Batch: 588336

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186813-5	EB-03-4-5FT	Total/NA	Solid	8260C	588334
480-186813-6	EB-02-4FT	Total/NA	Solid	8260C	588334
480-186813-7	EB-04-1-2FT	Total/NA	Solid	8260C	588334
480-186813-8	EB-05-1-2FT	Total/NA	Solid	8260C	588334
480-186813-9	EB-07-1-FT	Total/NA	Solid	8260C	588334
480-186813-10	EB-06-1-2FT	Total/NA	Solid	8260C	588334
MB 480-588334/2-A	Method Blank	Total/NA	Solid	8260C	588334
LCS 480-588334/1-A	Lab Control Sample	Total/NA	Solid	8260C	588334

GC/MS Semi VOA

Prep Batch: 588670

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186813-1	SS-01	Total/NA	Solid	3550C	
480-186813-2	SS-02	Total/NA	Solid	3550C	
480-186813-3	SS-03	Total/NA	Solid	3550C	
480-186813-4	SS-04	Total/NA	Solid	3550C	
480-186813-5	EB-03-4-5FT	Total/NA	Solid	3550C	
480-186813-6	EB-02-4FT	Total/NA	Solid	3550C	
480-186813-7	EB-04-1-2FT	Total/NA	Solid	3550C	
480-186813-8	EB-05-1-2FT	Total/NA	Solid	3550C	
480-186813-9	EB-07-1-FT	Total/NA	Solid	3550C	
480-186813-10	EB-06-1-2FT	Total/NA	Solid	3550C	
MB 480-588670/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-588670/2-A	Lab Control Sample	Total/NA	Solid	3550C	
480-186813-7 MS	EB-04-1-2FT	Total/NA	Solid	3550C	
480-186813-7 MSD	EB-04-1-2FT	Total/NA	Solid	3550C	

Analysis Batch: 588841

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186813-1	SS-01	Total/NA	Solid	8270D	588670
480-186813-2	SS-02	Total/NA	Solid	8270D	588670
480-186813-3	SS-03	Total/NA	Solid	8270D	588670
480-186813-4	SS-04	Total/NA	Solid	8270D	588670
480-186813-5	EB-03-4-5FT	Total/NA	Solid	8270D	588670
480-186813-6	EB-02-4FT	Total/NA	Solid	8270D	588670
480-186813-7	EB-04-1-2FT	Total/NA	Solid	8270D	588670
480-186813-8	EB-05-1-2FT	Total/NA	Solid	8270D	588670
480-186813-9	EB-07-1-FT	Total/NA	Solid	8270D	588670
480-186813-10	EB-06-1-2FT	Total/NA	Solid	8270D	588670

Eurofins TestAmerica, Buffalo

QC Association Summary

Client: C&S Engineers, Inc.
Project/Site: Buffalo Salvation Army

Job ID: 480-186813-1

GC/MS Semi VOA (Continued)

Analysis Batch: 588841 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-588670/1-A	Method Blank	Total/NA	Solid	8270D	588670
LCS 480-588670/2-A	Lab Control Sample	Total/NA	Solid	8270D	588670
480-186813-7 MS	EB-04-1-2FT	Total/NA	Solid	8270D	588670
480-186813-7 MSD	EB-04-1-2FT	Total/NA	Solid	8270D	588670

GC Semi VOA

Prep Batch: 588373

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186813-1	SS-01	Total/NA	Solid	3550C	
480-186813-2	SS-02	Total/NA	Solid	3550C	
480-186813-3	SS-03	Total/NA	Solid	3550C	
480-186813-4	SS-04	Total/NA	Solid	3550C	
480-186813-5	EB-03-4-5FT	Total/NA	Solid	3550C	
480-186813-6	EB-02-4FT	Total/NA	Solid	3550C	
480-186813-7	EB-04-1-2FT	Total/NA	Solid	3550C	
480-186813-8	EB-05-1-2FT	Total/NA	Solid	3550C	
480-186813-9	EB-07-1-FT	Total/NA	Solid	3550C	
480-186813-10	EB-06-1-2FT	Total/NA	Solid	3550C	
MB 480-588373/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-588373/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Analysis Batch: 588437

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186813-1	SS-01	Total/NA	Solid	8082A	588373
480-186813-2	SS-02	Total/NA	Solid	8082A	588373
480-186813-3	SS-03	Total/NA	Solid	8082A	588373
480-186813-4	SS-04	Total/NA	Solid	8082A	588373
480-186813-5	EB-03-4-5FT	Total/NA	Solid	8082A	588373
480-186813-6	EB-02-4FT	Total/NA	Solid	8082A	588373
480-186813-7	EB-04-1-2FT	Total/NA	Solid	8082A	588373
480-186813-8	EB-05-1-2FT	Total/NA	Solid	8082A	588373
480-186813-9	EB-07-1-FT	Total/NA	Solid	8082A	588373
480-186813-10	EB-06-1-2FT	Total/NA	Solid	8082A	588373
MB 480-588373/1-A	Method Blank	Total/NA	Solid	8082A	588373

Analysis Batch: 588653

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-588373/2-A	Lab Control Sample	Total/NA	Solid	8082A	588373

Metals

Prep Batch: 588098

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186813-1	SS-01	Total/NA	Solid	3050B	
480-186813-2	SS-02	Total/NA	Solid	3050B	
480-186813-3	SS-03	Total/NA	Solid	3050B	
480-186813-4	SS-04	Total/NA	Solid	3050B	
480-186813-5	EB-03-4-5FT	Total/NA	Solid	3050B	
480-186813-6	EB-02-4FT	Total/NA	Solid	3050B	
480-186813-7	EB-04-1-2FT	Total/NA	Solid	3050B	
480-186813-8	EB-05-1-2FT	Total/NA	Solid	3050B	

Eurofins TestAmerica, Buffalo

QC Association Summary

Client: C&S Engineers, Inc.
Project/Site: Buffalo Salvation Army

Job ID: 480-186813-1

Metals (Continued)

Prep Batch: 588098 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186813-9	EB-07-1-FT	Total/NA	Solid	3050B	
480-186813-10	EB-06-1-2FT	Total/NA	Solid	3050B	
MB 480-588098/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 480-588098/2-A	Lab Control Sample	Total/NA	Solid	3050B	
480-186813-4 MS	SS-04	Total/NA	Solid	3050B	
480-186813-4 MSD	SS-04	Total/NA	Solid	3050B	

Prep Batch: 588193

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186813-1	SS-01	Total/NA	Solid	7471B	
480-186813-2	SS-02	Total/NA	Solid	7471B	
480-186813-3	SS-03	Total/NA	Solid	7471B	
480-186813-4	SS-04	Total/NA	Solid	7471B	
480-186813-5	EB-03-4-5FT	Total/NA	Solid	7471B	
480-186813-6	EB-02-4FT	Total/NA	Solid	7471B	
480-186813-7	EB-04-1-2FT	Total/NA	Solid	7471B	
480-186813-8	EB-05-1-2FT	Total/NA	Solid	7471B	
480-186813-9	EB-07-1-FT	Total/NA	Solid	7471B	
480-186813-10	EB-06-1-2FT	Total/NA	Solid	7471B	
MB 480-588193/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 480-588193/2-A ^10	Lab Control Sample	Total/NA	Solid	7471B	

Analysis Batch: 588328

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186813-1	SS-01	Total/NA	Solid	7471B	588193
480-186813-2	SS-02	Total/NA	Solid	7471B	588193
480-186813-3	SS-03	Total/NA	Solid	7471B	588193
480-186813-4	SS-04	Total/NA	Solid	7471B	588193
480-186813-5	EB-03-4-5FT	Total/NA	Solid	7471B	588193
480-186813-6	EB-02-4FT	Total/NA	Solid	7471B	588193
480-186813-7	EB-04-1-2FT	Total/NA	Solid	7471B	588193
480-186813-8	EB-05-1-2FT	Total/NA	Solid	7471B	588193
480-186813-9	EB-07-1-FT	Total/NA	Solid	7471B	588193
480-186813-10	EB-06-1-2FT	Total/NA	Solid	7471B	588193
MB 480-588193/1-A	Method Blank	Total/NA	Solid	7471B	588193
LCSSRM 480-588193/2-A ^10	Lab Control Sample	Total/NA	Solid	7471B	588193

Analysis Batch: 588391

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186813-1	SS-01	Total/NA	Solid	6010C	588098
480-186813-2	SS-02	Total/NA	Solid	6010C	588098
480-186813-3	SS-03	Total/NA	Solid	6010C	588098
480-186813-4	SS-04	Total/NA	Solid	6010C	588098
480-186813-5	EB-03-4-5FT	Total/NA	Solid	6010C	588098
480-186813-6	EB-02-4FT	Total/NA	Solid	6010C	588098
480-186813-7	EB-04-1-2FT	Total/NA	Solid	6010C	588098
480-186813-8	EB-05-1-2FT	Total/NA	Solid	6010C	588098
480-186813-9	EB-07-1-FT	Total/NA	Solid	6010C	588098
480-186813-10	EB-06-1-2FT	Total/NA	Solid	6010C	588098
MB 480-588098/1-A	Method Blank	Total/NA	Solid	6010C	588098
LCSSRM 480-588098/2-A	Lab Control Sample	Total/NA	Solid	6010C	588098

Eurofins TestAmerica, Buffalo

QC Association Summary

Client: C&S Engineers, Inc.
Project/Site: Buffalo Salvation Army

Job ID: 480-186813-1

Metals (Continued)

Analysis Batch: 588391 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186813-4 MS	SS-04	Total/NA	Solid	6010C	588098
480-186813-4 MSD	SS-04	Total/NA	Solid	6010C	588098

Analysis Batch: 588519

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186813-7	EB-04-1-2FT	Total/NA	Solid	6010C	588098

Analysis Batch: 588709

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186813-7	EB-04-1-2FT	Total/NA	Solid	6010C	588098

General Chemistry

Analysis Batch: 587997

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186813-1	SS-01	Total/NA	Solid	Moisture	
480-186813-2	SS-02	Total/NA	Solid	Moisture	
480-186813-3	SS-03	Total/NA	Solid	Moisture	
480-186813-4	SS-04	Total/NA	Solid	Moisture	
480-186813-5	EB-03-4-5FT	Total/NA	Solid	Moisture	
480-186813-6	EB-02-4FT	Total/NA	Solid	Moisture	
480-186813-7	EB-04-1-2FT	Total/NA	Solid	Moisture	
480-186813-8	EB-05-1-2FT	Total/NA	Solid	Moisture	
480-186813-9	EB-07-1-FT	Total/NA	Solid	Moisture	
480-186813-10	EB-06-1-2FT	Total/NA	Solid	Moisture	
480-186813-10 DU	EB-06-1-2FT	Total/NA	Solid	Moisture	

Lab Chronicle

Client: C&S Engineers, Inc.
Project/Site: Buffalo Salvation Army

Job ID: 480-186813-1

Client Sample ID: SS-01

Lab Sample ID: 480-186813-1

Date Collected: 07/01/21 10:30

Matrix: Solid

Date Received: 07/02/21 12:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	587997	07/02/21 20:12	CLA	TAL BUF

Client Sample ID: SS-01

Lab Sample ID: 480-186813-1

Date Collected: 07/01/21 10:30

Matrix: Solid

Date Received: 07/02/21 12:40

Percent Solids: 91.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			588670	07/12/21 07:49	VXF	TAL BUF
Total/NA	Analysis	8270D		5	588841	07/13/21 18:59	JMM	TAL BUF
Total/NA	Prep	3550C			588373	07/08/21 08:27	VXF	TAL BUF
Total/NA	Analysis	8082A		1	588437	07/08/21 23:31	NC	TAL BUF
Total/NA	Prep	3050B			588098	07/06/21 10:45	KMP	TAL BUF
Total/NA	Analysis	6010C		1	588391	07/07/21 23:22	AMH	TAL BUF
Total/NA	Prep	7471B			588193	07/07/21 14:28	BMB	TAL BUF
Total/NA	Analysis	7471B		1	588328	07/07/21 16:05	BMB	TAL BUF

Client Sample ID: SS-02

Lab Sample ID: 480-186813-2

Date Collected: 07/01/21 10:40

Matrix: Solid

Date Received: 07/02/21 12:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	587997	07/02/21 20:12	CLA	TAL BUF

Client Sample ID: SS-02

Lab Sample ID: 480-186813-2

Date Collected: 07/01/21 10:40

Matrix: Solid

Date Received: 07/02/21 12:40

Percent Solids: 92.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			588670	07/12/21 07:49	VXF	TAL BUF
Total/NA	Analysis	8270D		10	588841	07/13/21 19:24	JMM	TAL BUF
Total/NA	Prep	3550C			588373	07/08/21 08:27	VXF	TAL BUF
Total/NA	Analysis	8082A		1	588437	07/08/21 23:44	NC	TAL BUF
Total/NA	Prep	3050B			588098	07/06/21 10:45	KMP	TAL BUF
Total/NA	Analysis	6010C		1	588391	07/07/21 23:37	AMH	TAL BUF
Total/NA	Prep	7471B			588193	07/07/21 14:28	BMB	TAL BUF
Total/NA	Analysis	7471B		1	588328	07/07/21 16:07	BMB	TAL BUF

Client Sample ID: SS-03

Lab Sample ID: 480-186813-3

Date Collected: 07/01/21 10:45

Matrix: Solid

Date Received: 07/02/21 12:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	587997	07/02/21 20:12	CLA	TAL BUF

Eurofins TestAmerica, Buffalo

Lab Chronicle

Client: C&S Engineers, Inc.
Project/Site: Buffalo Salvation Army

Job ID: 480-186813-1

Client Sample ID: SS-03

Lab Sample ID: 480-186813-3

Date Collected: 07/01/21 10:45

Matrix: Solid

Date Received: 07/02/21 12:40

Percent Solids: 91.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			588670	07/12/21 07:49	VXF	TAL BUF
Total/NA	Analysis	8270D		10	588841	07/13/21 19:48	JMM	TAL BUF
Total/NA	Prep	3550C			588373	07/08/21 08:27	VXF	TAL BUF
Total/NA	Analysis	8082A		1	588437	07/08/21 23:57	NC	TAL BUF
Total/NA	Prep	3050B			588098	07/06/21 10:45	KMP	TAL BUF
Total/NA	Analysis	6010C		1	588391	07/07/21 23:41	AMH	TAL BUF
Total/NA	Prep	7471B			588193	07/07/21 14:28	BMB	TAL BUF
Total/NA	Analysis	7471B		1	588328	07/07/21 16:08	BMB	TAL BUF

Client Sample ID: SS-04

Lab Sample ID: 480-186813-4

Date Collected: 07/01/21 10:50

Matrix: Solid

Date Received: 07/02/21 12:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	587997	07/02/21 20:12	CLA	TAL BUF

Client Sample ID: SS-04

Lab Sample ID: 480-186813-4

Date Collected: 07/01/21 10:50

Matrix: Solid

Date Received: 07/02/21 12:40

Percent Solids: 92.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			588670	07/12/21 07:49	VXF	TAL BUF
Total/NA	Analysis	8270D		5	588841	07/13/21 20:12	JMM	TAL BUF
Total/NA	Prep	3550C			588373	07/08/21 08:27	VXF	TAL BUF
Total/NA	Analysis	8082A		1	588437	07/09/21 00:10	NC	TAL BUF
Total/NA	Prep	3050B			588098	07/06/21 10:45	KMP	TAL BUF
Total/NA	Analysis	6010C		1	588391	07/07/21 23:44	AMH	TAL BUF
Total/NA	Prep	7471B			588193	07/07/21 14:28	BMB	TAL BUF
Total/NA	Analysis	7471B		1	588328	07/07/21 16:09	BMB	TAL BUF

Client Sample ID: EB-03-4-5FT

Lab Sample ID: 480-186813-5

Date Collected: 07/01/21 12:40

Matrix: Solid

Date Received: 07/02/21 12:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	587997	07/02/21 20:12	CLA	TAL BUF

Client Sample ID: EB-03-4-5FT

Lab Sample ID: 480-186813-5

Date Collected: 07/01/21 12:40

Matrix: Solid

Date Received: 07/02/21 12:40

Percent Solids: 90.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			588334	07/07/21 17:40	CDC	TAL BUF
Total/NA	Analysis	8260C		1	588336	07/08/21 02:30	CDC	TAL BUF
Total/NA	Prep	3550C			588670	07/12/21 07:49	VXF	TAL BUF
Total/NA	Analysis	8270D		10	588841	07/13/21 20:37	JMM	TAL BUF

Eurofins TestAmerica, Buffalo

Lab Chronicle

Client: C&S Engineers, Inc.
Project/Site: Buffalo Salvation Army

Job ID: 480-186813-1

Client Sample ID: EB-03-4-5FT

Lab Sample ID: 480-186813-5

Date Collected: 07/01/21 12:40

Matrix: Solid

Date Received: 07/02/21 12:40

Percent Solids: 90.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			588373	07/08/21 08:27	VXF	TAL BUF
Total/NA	Analysis	8082A		1	588437	07/09/21 00:22	NC	TAL BUF
Total/NA	Prep	3050B			588098	07/06/21 10:45	KMP	TAL BUF
Total/NA	Analysis	6010C		1	588391	07/08/21 00:03	AMH	TAL BUF
Total/NA	Prep	7471B			588193	07/07/21 14:28	BMB	TAL BUF
Total/NA	Analysis	7471B		1	588328	07/07/21 16:10	BMB	TAL BUF

Client Sample ID: EB-02-4FT

Lab Sample ID: 480-186813-6

Date Collected: 07/01/21 13:30

Matrix: Solid

Date Received: 07/02/21 12:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	587997	07/02/21 20:12	CLA	TAL BUF

Client Sample ID: EB-02-4FT

Lab Sample ID: 480-186813-6

Date Collected: 07/01/21 13:30

Matrix: Solid

Date Received: 07/02/21 12:40

Percent Solids: 84.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			588334	07/07/21 17:40	CDC	TAL BUF
Total/NA	Analysis	8260C		1	588336	07/08/21 02:54	CDC	TAL BUF
Total/NA	Prep	3550C			588670	07/12/21 07:49	VXF	TAL BUF
Total/NA	Analysis	8270D		10	588841	07/13/21 21:01	JMM	TAL BUF
Total/NA	Prep	3550C			588373	07/08/21 08:27	VXF	TAL BUF
Total/NA	Analysis	8082A		1	588437	07/09/21 01:01	NC	TAL BUF
Total/NA	Prep	3050B			588098	07/06/21 10:45	KMP	TAL BUF
Total/NA	Analysis	6010C		1	588391	07/08/21 00:06	AMH	TAL BUF
Total/NA	Prep	7471B			588193	07/07/21 14:28	BMB	TAL BUF
Total/NA	Analysis	7471B		1	588328	07/07/21 16:12	BMB	TAL BUF

Client Sample ID: EB-04-1-2FT

Lab Sample ID: 480-186813-7

Date Collected: 07/02/21 08:40

Matrix: Solid

Date Received: 07/02/21 12:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	587997	07/02/21 20:12	CLA	TAL BUF

Client Sample ID: EB-04-1-2FT

Lab Sample ID: 480-186813-7

Date Collected: 07/02/21 08:40

Matrix: Solid

Date Received: 07/02/21 12:40

Percent Solids: 88.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			588334	07/07/21 17:40	CDC	TAL BUF
Total/NA	Analysis	8260C		1	588336	07/08/21 03:19	CDC	TAL BUF
Total/NA	Prep	3550C			588670	07/12/21 07:49	VXF	TAL BUF
Total/NA	Analysis	8270D		20	588841	07/13/21 18:35	JMM	TAL BUF

Eurofins TestAmerica, Buffalo

Lab Chronicle

Client: C&S Engineers, Inc.
Project/Site: Buffalo Salvation Army

Job ID: 480-186813-1

Client Sample ID: EB-04-1-2FT

Lab Sample ID: 480-186813-7

Date Collected: 07/02/21 08:40

Matrix: Solid

Date Received: 07/02/21 12:40

Percent Solids: 88.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			588373	07/08/21 08:27	VXF	TAL BUF
Total/NA	Analysis	8082A		10	588437	07/09/21 01:14	NC	TAL BUF
Total/NA	Prep	3050B			588098	07/06/21 10:45	KMP	TAL BUF
Total/NA	Analysis	6010C		2	588519	07/08/21 14:14	AMH	TAL BUF
Total/NA	Prep	3050B			588098	07/06/21 10:45	KMP	TAL BUF
Total/NA	Analysis	6010C		5	588709	07/09/21 13:05	AMH	TAL BUF
Total/NA	Prep	3050B			588098	07/06/21 10:45	KMP	TAL BUF
Total/NA	Analysis	6010C		1	588391	07/08/21 00:21	AMH	TAL BUF
Total/NA	Prep	7471B			588193	07/07/21 14:28	BMB	TAL BUF
Total/NA	Analysis	7471B		1	588328	07/07/21 16:16	BMB	TAL BUF

Client Sample ID: EB-05-1-2FT

Lab Sample ID: 480-186813-8

Date Collected: 07/02/21 09:15

Matrix: Solid

Date Received: 07/02/21 12:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	587997	07/02/21 20:12	CLA	TAL BUF

Client Sample ID: EB-05-1-2FT

Lab Sample ID: 480-186813-8

Date Collected: 07/02/21 09:15

Matrix: Solid

Date Received: 07/02/21 12:40

Percent Solids: 86.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			588334	07/07/21 17:40	CDC	TAL BUF
Total/NA	Analysis	8260C		1	588336	07/08/21 03:44	CDC	TAL BUF
Total/NA	Prep	3550C			588670	07/12/21 07:49	VXF	TAL BUF
Total/NA	Analysis	8270D		10	588841	07/13/21 21:25	JMM	TAL BUF
Total/NA	Prep	3550C			588373	07/08/21 08:27	VXF	TAL BUF
Total/NA	Analysis	8082A		1	588437	07/09/21 01:27	NC	TAL BUF
Total/NA	Prep	3050B			588098	07/06/21 10:45	KMP	TAL BUF
Total/NA	Analysis	6010C		1	588391	07/08/21 00:25	AMH	TAL BUF
Total/NA	Prep	7471B			588193	07/07/21 14:28	BMB	TAL BUF
Total/NA	Analysis	7471B		1	588328	07/07/21 16:17	BMB	TAL BUF

Client Sample ID: EB-07-1-FT

Lab Sample ID: 480-186813-9

Date Collected: 07/02/21 09:45

Matrix: Solid

Date Received: 07/02/21 12:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	587997	07/02/21 20:12	CLA	TAL BUF

Lab Chronicle

Client: C&S Engineers, Inc.
Project/Site: Buffalo Salvation Army

Job ID: 480-186813-1

Client Sample ID: EB-07-1-FT

Lab Sample ID: 480-186813-9

Date Collected: 07/02/21 09:45

Matrix: Solid

Date Received: 07/02/21 12:40

Percent Solids: 88.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			588334	07/07/21 17:40	CDC	TAL BUF
Total/NA	Analysis	8260C		1	588336	07/08/21 04:09	CDC	TAL BUF
Total/NA	Prep	3550C			588670	07/12/21 07:49	VXF	TAL BUF
Total/NA	Analysis	8270D		5	588841	07/13/21 21:49	JMM	TAL BUF
Total/NA	Prep	3550C			588373	07/08/21 08:27	VXF	TAL BUF
Total/NA	Analysis	8082A		1	588437	07/09/21 01:40	NC	TAL BUF
Total/NA	Prep	3050B			588098	07/06/21 10:45	KMP	TAL BUF
Total/NA	Analysis	6010C		1	588391	07/08/21 00:29	AMH	TAL BUF
Total/NA	Prep	7471B			588193	07/07/21 14:28	BMB	TAL BUF
Total/NA	Analysis	7471B		1	588328	07/07/21 16:18	BMB	TAL BUF

Client Sample ID: EB-06-1-2FT

Lab Sample ID: 480-186813-10

Date Collected: 07/02/21 10:15

Matrix: Solid

Date Received: 07/02/21 12:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	587997	07/02/21 20:12	CLA	TAL BUF

Client Sample ID: EB-06-1-2FT

Lab Sample ID: 480-186813-10

Date Collected: 07/02/21 10:15

Matrix: Solid

Date Received: 07/02/21 12:40

Percent Solids: 86.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			588334	07/07/21 17:40	CDC	TAL BUF
Total/NA	Analysis	8260C		1	588336	07/08/21 04:34	CDC	TAL BUF
Total/NA	Prep	3550C			588670	07/12/21 07:49	VXF	TAL BUF
Total/NA	Analysis	8270D		5	588841	07/13/21 22:13	JMM	TAL BUF
Total/NA	Prep	3550C			588373	07/08/21 08:27	VXF	TAL BUF
Total/NA	Analysis	8082A		1	588437	07/09/21 01:52	NC	TAL BUF
Total/NA	Prep	3050B			588098	07/06/21 10:45	KMP	TAL BUF
Total/NA	Analysis	6010C		1	588391	07/08/21 00:33	AMH	TAL BUF
Total/NA	Prep	7471B			588193	07/07/21 14:28	BMB	TAL BUF
Total/NA	Analysis	7471B		1	588328	07/07/21 16:20	BMB	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Eurofins TestAmerica, Buffalo

Accreditation/Certification Summary

Client: C&S Engineers, Inc.
Project/Site: Buffalo Salvation Army

Job ID: 480-186813-1

Laboratory: Eurofins TestAmerica, Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: C&S Engineers, Inc.
Project/Site: Buffalo Salvation Army

Job ID: 480-186813-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
7471B	Mercury (CVAA)	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF
3050B	Preparation, Metals	SW846	TAL BUF
3550C	Ultrasonic Extraction	SW846	TAL BUF
5035A_L	Closed System Purge and Trap	SW846	TAL BUF
7471B	Preparation, Mercury	SW846	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: C&S Engineers, Inc.
Project/Site: Buffalo Salvation Army

Job ID: 480-186813-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-186813-1	SS-01	Solid	07/01/21 10:30	07/02/21 12:40	
480-186813-2	SS-02	Solid	07/01/21 10:40	07/02/21 12:40	
480-186813-3	SS-03	Solid	07/01/21 10:45	07/02/21 12:40	
480-186813-4	SS-04	Solid	07/01/21 10:50	07/02/21 12:40	
480-186813-5	EB-03-4-5FT	Solid	07/01/21 12:40	07/02/21 12:40	
480-186813-6	EB-02-4FT	Solid	07/01/21 13:30	07/02/21 12:40	
480-186813-7	EB-04-1-2FT	Solid	07/02/21 08:40	07/02/21 12:40	
480-186813-8	EB-05-1-2FT	Solid	07/02/21 09:15	07/02/21 12:40	
480-186813-9	EB-07-1-FT	Solid	07/02/21 09:45	07/02/21 12:40	
480-186813-10	EB-06-1-2FT	Solid	07/02/21 10:15	07/02/21 12:40	

Chain of Custody Record

Client Information							
Sampler:		Cody Martin		Lab PM:		Stone, Judy L	
Phone:				E-Mail:		Judy.Stone@Eurofinset.com	
Company:		C&S Engineers, Inc.		PWSID:			
Address:		Due Date Requested:					
City:		TAT Requested (days):					
State, Zip:		Compliance Project: Δ Yes X No					
Phone:		PO #:					
Email:		WO #:					
Project Name:		Project #:					
Site:		SSOW#:					
Sample Identification							
Sample ID		Sample Date		Sample Time		Matrix	
SS-01		7/1/21		10:30		Solid	
SS-02				10:40		Solid	
SS-03				10:45		Solid	
SS-04				10:50		Solid	
EB-03-4-5 ft				12:40		Solid	
EB-02-4 ft				1:30		Solid	
EB-04-1-2 ft		7/2/21		8:40		Solid	
EB-05-1-2 ft				9:15		Solid	
EB-07-1 ft				9:45		Solid	
EB-06-1-2 ft				10:15		Solid	
Possible Hazard Identification							
Non-Hazard		Flammable		Skin Irritant		Radiochemical	
Deliverable Requested:		I, II, IV, Other (specify)		Poison B		Unknown	
Empty Kit Relinquished by:							
Relinquished by:		Date:		Time:		Company	
Relinquished by:		Date:		Time:		Company	
Relinquished by:		Date:		Time:		Company	
Custody Seals Intact:		Δ Yes Δ No		Custody Seal No.:			

Login Sample Receipt Checklist

Client: C&S Engineers, Inc.

Job Number: 480-186813-1

Login Number: 186813

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Wallace, Cameron

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	C&S
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

ATTACHMET B FIELD LOGS



Sheet 1 of:	1
Project No.:	X97.001.001
Contactor:	TREC
Date:	7/2/2021

[illegible]

		C&S Engineers, Inc. 141 Elm Street Buffalo, New York 14203 Phone: 716-847-1630 Fax: 716-847-1454		BORING LOG		Boring No. EB-01	
		Sheet 1 of: 1					
		Project No.: X97.001.001					
Project Name:		Buffalo Salvation Army BCP				Surface Elev.:	
Location:		960 and 1000 Main Street, Buffalo, New York				Datum:	
Client:		The Salvation Army				Start Date: 7/1/21	
Drilling Firm:		TREC Environmental, Inc.				Finish Date: 7/1/21	
Groundwater	Depth	Date & Time	Drill Rig:	Geoprobe 66DT		Inspector: C. Martin	
While Drilling:			Casing:	2"	Rock Core:	Undist:	
Before Casing Removal:			Sampler:	4 Foot	Other:		
After Casing Removal:			Hammer:				
(N -- No. of blows to drive sampler 12" w/140 lb. hammer falling 30" ASTM D-1586, Standard Penetration Test)							
Depth (ft)	Sample No.	Symbol	Blows on Sampler per 6"	MATERIAL DESCRIPTION		COMMENTS	
				c - coarse m - medium f - fine	a - and - 35-50% s - some - 20-35% l - little - 10-20% t - trace - 0-10%	(e.g., N-value, recovery, relative moisture, core run, RQD, % recovered)	
1			12"	<u>Asphalt and Gravel Sub-base</u>		General Note: Asphalt is thin ; however, exact thickness can not be determined due to the drill rig breaking asphalt into small pierces.	
2				<u>Poor Recovery</u>			
3							
4							
5			9"	<u>FILL</u>			
6			6"	<u>orangish brown, Sandy SILT, moist, some fine Sand</u>			
7							
8							
9			24"	<u>orangish brown, Sandy SILT, moist, some fine Sand</u>			
10			6"	<u>brown, Silty SAND, moist, fine Sand</u>			
11							
12			12"	<u>Slug</u>			
13			24"	<u>brown, Silty SAND, moist, fine Sand</u>			
14							
15							
16				<u>End Boring at 16 feet</u>			
17							
18							
19							
20							
21							
22							
23							

		C&S Engineers, Inc. 141 Elm Street Buffalo, New York 14203 Phone: 716-847-1630 Fax: 716-847-1454		BORING LOG		Boring No. EB-02	
		Sheet 1 of: 1					
		Project No.: X97.001.001					
Project Name:		Buffalo Salvation Army BCP				Surface Elev.:	
Location:		960 and 1000 Main Street, Buffalo, New York				Datum:	
Client:		The Salvation Army				Start Date: 7/1/21	
Drilling Firm:		TREC Environmental, Inc.				Finish Date: 7/1/21	
Groundwater	Depth	Date & Time	Drill Rig:	Geoprobe 66DT		Inspector: C. Martin	
While Drilling:			Casing:	2"	Rock Core:	Undist:	
Before Casing Removal:			Sampler:	4 Foot	Other:		
After Casing Removal:			Hammer:				
(N -- No. of blows to drive sampler 12" w/140 lb. hammer falling 30" ASTM D-1586, Standard Penetration Test)							
Depth (ft)	Sample No.	Symbol	Blows on Sampler per 6"	MATERIAL DESCRIPTION		COMMENTS	
				c - coarse m - medium f - fine		a - and - 35-50% s - some - 20-35% l - little - 10-20% t - trace - 0-10%	
				S - Sand, \$ - Silt, G - Gravel, C - Clay, cly - clayey		(e.g., N-value, recovery, relative moisture, core run, RQD, % recovered)	
1			12"	<u>Asphalt and Gravel Sub-base</u>		12:45	
2				<u>FILL- brown Silt and Sand, rock pieces with trace coal</u>			
3				<u>Concrete obstruction at 3' moved 6'</u>			
4							
5			8"	<u>Clay SILT, some Clay, low plasticity, brown, moist</u>			
6				<u>Poor Recovery</u>			
7							
8							
9			12"	<u>brown, wet, soft, Silty CLAY</u>			
10			15"	<u>Sandy SILT, brown, moist, some fine Sand, trace Clay</u>			
11							
12			8"	<u>Silty SAND, light brown, dry, fine Sand</u>			
13				<u>End Boring at 12 feet</u>			
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							

		C&S Engineers, Inc. 141 Elm Street Buffalo, New York 14203 Phone: 716-847-1630 Fax: 716-847-1454		BORING LOG		Boring No. EB-03	
		Sheet 1 of: 1					
		Project No.: X97.001.001					
Project Name:		Buffalo Salvation Army BCP				Surface Elev.:	
Location:		960 and 1000 Main Street, Buffalo, New York				Datum:	
Client:		The Salvation Army				Start Date: 7/1/21	
Drilling Firm:		TREC Environmental, Inc.				Finish Date: 7/1/21	
Groundwater	Depth	Date & Time	Drill Rig:	Geoprobe 66DT		Inspector: C. Martin	
While Drilling:			Casing:	2"	Rock Core:	Undist:	
Before Casing Removal:			Sampler:	4 Foot	Other:		
After Casing Removal:			Hammer:				
(N -- No. of blows to drive sampler 12" w/140 lb. hammer falling 30" ASTM D-1586, Standard Penetration Test)							
Depth (ft)	Sample No.	Symbol	Blows on Sampler per 6"	MATERIAL DESCRIPTION		COMMENTS	
						(e.g., N-value, recovery, relative moisture, core run, RQD, % recovered)	
1			11"	<u>Asphalt and FILL, brown, Sand and Silt mixed with crushed concrete, clay, rock</u>		12:30	
2				<u>Poor Recovery</u>			
3							
4							
5			8"	<u>FILL - same as previous with crushed bricks</u>			
6			20"	<u>Sandy SILT brown, moist, trace pea gravel</u>			
7							
8							
9			12"	<u>Silty SAND, light brown, fine Sand, dry</u>			
10				<u>Refusal at 9 feet</u>			
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							

		C&S Engineers, Inc. 141 Elm Street Buffalo, New York 14203 Phone: 716-847-1630 Fax: 716-847-1454		BORING LOG		Boring No. EB-04	
		Sheet 1 of: 1					
		Project No.: X97.001.001					
Project Name:		Buffalo Salvation Army BCP				Surface Elev.:	
Location:		960 and 1000 Main Street, Buffalo, New York				Datum:	
Client:		The Salvation Army				Start Date: 7/2/21	
Drilling Firm:		TREC Environmental, Inc.				Finish Date: 7/2/21	
Groundwater	Depth	Date & Time	Drill Rig:	Geoprobe 66DT		Inspector: C. Martin	
While Drilling:			Casing:	2"	Rock Core:	Undist:	
Before Casing Removal:			Sampler:	4 Foot	Other:		
After Casing Removal:			Hammer:				
(N -- No. of blows to drive sampler 12" w/140 lb. hammer falling 30" ASTM D-1586, Standard Penetration Test)							
Depth (ft)	Sample No.	Symbol	Blows on Sampler per 6"	MATERIAL DESCRIPTION		COMMENTS	
				c - coarse m - medium f - fine	a - and - 35-50% s - some - 20-35% l - little - 10-20% t - trace - 0-10%	(e.g., N-value, recovery, relative moisture, core run, RQD, % recovered)	
1			4"	<u>Asphalt and Gravel Sub-base</u>		8:30	
			12"	<u>FILL - brown Silt and Sand, rock and brick pieces</u>			
2			6"	<u>FILL - rock pierces</u>			
			5"	<u>SILT brown, moist</u>			
3			6"	<u>dense Silty CLAY brown, moist</u>			
4							
5			6"	<u>Sug</u>			
6			36"	<u>SILT brown, moist, some imbedded Gravel 1" & smaller round</u>			
7							
8			6"	<u>Clay SILT brown moist, some Clay</u>			
9			30"	<u>Same as previous</u>			
10							
11							
12							
13				<u>End Boring at 12 feet</u>			
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							

		C&S Engineers, Inc. 141 Elm Street Buffalo, New York 14203 Phone: 716-847-1630 Fax: 716-847-1454		BORING LOG		Boring No. EB-05	
		Sheet 1 of: 1					
		Project No.: X97.001.001					
Project Name:		Buffalo Salvation Army BCP				Surface Elev.:	
Location:		960 and 1000 Main Street, Buffalo, New York				Datum:	
Client:		The Salvation Army				Start Date: 7/2/21	
Drilling Firm:		TREC Environmental, Inc.				Finish Date: 7/2/21	
Groundwater	Depth	Date & Time	Drill Rig:	Geoprobe 66DT		Inspector: C. Martin	
While Drilling:			Casing:	2"	Rock Core:	Undist:	
Before Casing Removal:			Sampler:	4 Foot	Other:		
After Casing Removal:			Hammer:				
(N -- No. of blows to drive sampler 12" w/140 lb. hammer falling 30" ASTM D-1586, Standard Penetration Test)							
Depth (ft)	Sample No.	Symbol	Blows on Sampler per 6"	MATERIAL DESCRIPTION		COMMENTS (e.g., N-value, recovery, relative moisture, core run, RQD, % recovered)	
				c - coarse m - medium f - fine	a - and - 35-50% s - some - 20-35% l - little - 10-20% t - trace - 0-10%		
1			2"	<u>Asphalt</u>		9:00	
			10"	<u>FILL - brown Silt and Sand, rock and brick pieces</u>			
2			6"	<u>FILL - rock pierces</u>			
			5"	<u>SILT brown, moist</u>			
3			6"	<u>dense Silty CLAY brown, moist</u>			
4							
5			6"	<u>Sug</u>			
6			36"	<u>SILT brown, moist, some imbedded Gravel 1" & smaller round</u>			
7							
8			6"	<u>Clay SILT brown moist, some Clay</u>			
9			30"	<u>Same as previous</u>			
10							
11							
12							
13				<u>End Boring at 12 feet</u>			
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							

		C&S Engineers, Inc. 141 Elm Street Buffalo, New York 14203 Phone: 716-847-1630 Fax: 716-847-1454		BORING LOG		Boring No. EB-06	
		Sheet 1 of: 1					
		Project No.: X97.001.001					
Project Name:		Buffalo Salvation Army BCP				Surface Elev.:	
Location:		960 and 1000 Main Street, Buffalo, New York				Datum:	
Client:		The Salvation Army				Start Date: 7/2/21	
Drilling Firm:		TREC Environmental, Inc.				Finish Date: 7/2/21	
Groundwater	Depth	Date & Time	Drill Rig:	Geoprobe 66DT		Inspector: C. Martin	
While Drilling:			Casing:	2"	Rock Core:	Undist:	
Before Casing Removal:			Sampler:	4 Foot	Other:		
After Casing Removal:			Hammer:				
(N -- No. of blows to drive sampler 12" w/140 lb. hammer falling 30" ASTM D-1586, Standard Penetration Test)							
Depth (ft)	Sample No.	Symbol	Blows on Sampler per 6"	MATERIAL DESCRIPTION		COMMENTS	
				c - coarse m - medium f - fine		a - and - 35-50% s - some - 20-35% l - little - 10-20% t - trace - 0-10%	
				S - Sand, \$ - Silt, G - Gravel, C - Clay, cly - clayey			
1			3"	<u>Asphalt</u>		10:00	
2			12"	<u>FILL- brown, Sand and Silt, Gravel 0.25" & smaller angular, trace crushed concrete</u>			
3			10"	<u>brown, moist Sandy SILT trace fine Sand</u>			
4							
5							
6							
7							
8			18"	<u>Slug</u>			
9			21"	<u>Sandy SILT brown, moist, trace fine Sand</u>			
10							
11							
12							
13				<u>End Boring at 12 feet</u>			
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							

		C&S Engineers, Inc. 141 Elm Street Buffalo, New York 14203 Phone: 716-847-1630 Fax: 716-847-1454		BORING LOG		Boring No. EB-07	
		Sheet 1 of: 1					
		Project No.: X97.001.001					
Project Name:		Buffalo Salvation Army BCP				Surface Elev.:	
Location:		960 and 1000 Main Street, Buffalo, New York				Datum:	
Client:		The Salvation Army				Start Date: 7/2/21	
Drilling Firm:		TREC Environmental, Inc.				Finish Date: 7/2/21	
Groundwater	Depth	Date & Time	Drill Rig: Geoprobe 66DT			Inspector: C. Martin	
While Drilling:			Casing:	2"	Rock Core:	Undist:	
Before Casing Removal:			Sampler:	4 Foot	Other:		
After Casing Removal:			Hammer:				
(N -- No. of blows to drive sampler 12" w/140 lb. hammer falling 30" ASTM D-1586, Standard Penetration Test)							
Depth (ft)	Sample No.	Symbol	Blows on Sampler per 6"	c - coarse m - medium f - fine MATERIAL DESCRIPTION S - Sand, \$ - Silt, G - Gravel, C - Clay, cly - clayey a - and - 35-50% s - some - 20-35% l - little - 10-20% t - trace - 0-10%			COMMENTS (e.g., N-value, recovery, relative moisture, core run, RQD, % recovered)
1			8"	<u>TOPSOIL Sand, Silt, Loam and organic matter, dark brown dry</u>			9:30
2			6"	<u>Sandy SILT brown, moist, trace fine Sand, orangish</u>			
3							
4							
5			36"	<u>Sandy SILT brown, moist, trace fine Sand, orangish</u>			
6							
7							
8			36"	<u>Sandy SILT brown to light brown, moist, trace to some fine Sand</u>			
9							
10							
11							
12							
13				<u>End Boring at 12 feet</u>			
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							

		C&S Engineers, Inc. 141 Elm Street Buffalo, New York 14203 Phone: 716-847-1630 Fax: 716-847-1454		BORING LOG		Boring No. EB-08	
		Sheet 1 of: 1					
		Project No.: X97.001.001					
Project Name:		Buffalo Salvation Army BCP				Surface Elev.:	
Location:		960 and 1000 Main Street, Buffalo, New York				Datum:	
Client:		The Salvation Army				Start Date: 7/1/21	
Drilling Firm:		TREC Environmental, Inc.				Finish Date: 7/1/21	
Groundwater	Depth	Date & Time	Drill Rig:	Geoprobe 66DT		Inspector: C. Martin	
While Drilling:			Casing:	2"	Rock Core:	Undist:	
Before Casing Removal:			Sampler:	4 Foot	Other:		
After Casing Removal:			Hammer:				
(N -- No. of blows to drive sampler 12" w/140 lb. hammer falling 30" ASTM D-1586, Standard Penetration Test)							
Depth (ft)	Sample No.	Symbol	Blows on Sampler per 6"	MATERIAL DESCRIPTION c - coarse a - and - 35-50% m - medium s - some - 20-35% f - fine l - little - 10-20% S - Sand, \$ - Silt, G - Gravel, C - Clay, cly - clayey t - trace - 0-10%		COMMENTS (e.g., N-value, recovery, relative moisture, core run, RQD, % recovered)	
1			5"	<u>Asphalt</u>		12:45	
2			12"	<u>Gravel and rock sub-base</u>		Hydraulic line broke	
3				<u>Poor Recovery</u>			
4							
5			12"	<u>dense, brown, moist Silty CLAY</u>			
6							
7							
8							
9			30"	<u>dense, brown, moist Silty CLAY</u>			
10							
11							
12			3"	<u>brown Silty SAND, fine Sand, moist</u>			
13				<u>End Boring at 12 feet</u>			
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							

		C&S Engineers, Inc. 141 Elm Street Buffalo, New York 14203 Phone: 716-847-1630 Fax: 716-847-1454		BORING LOG		Boring No.		EB-09	
		Sheet 1 of:				1			
		Project No.:				X97.001.001			
Project Name:		Buffalo Salvation Army BCP				Surface Elev.:			
Location:		960 and 1000 Main Street, Buffalo, New York				Datum:			
Client:		The Salvation Army				Start Date:		7/1/21	
Drilling Firm:		TREC Environmental, Inc.				Finish Date:		7/1/21	
Groundwater		Depth		Date & Time		Drill Rig:		Geoprobe 66DT	
While Drilling:						Casing:		2"	
Before Casing Removal:						Sampler:		4 Foot	
After Casing Removal:						Hammer:			
						Rock Core:		Undist:	
						Other:			
(N -- No. of blows to drive sampler 12" w/140 lb. hammer falling 30" ASTM D-1586, Standard Penetration Test)									
Depth (ft)	Sample No.	Symbol	Blows on Sampler per 6"	MATERIAL DESCRIPTION c - coarse m - medium f - fine S - Sand, \$ - Silt, G - Gravel, C - Clay, cly - clayey a - and - 35-50% s - some - 20-35% l - little - 10-20% t - trace - 0-10%				COMMENTS (e.g., N-value, recovery, relative moisture, core run, RQD, % recovered)	
1			12"	<u>Asphalt</u>				12:45	
2				<u>FILL- brown Silt and Sand, rock pieces with trace coal</u>					
3									
4									
5			18"	<u>Recovered obstruction in spoon - not representative- dry, CLAY, brown with FILL from previous</u>					
6									
7									
8									
9			8"	<u>CLAY, dry, brown</u>					
10			5"	<u>Silty SAND moist, brown, fine Sand</u>					
11			4"	<u>Silty CLAY mosit, dense, brown</u>					
12			24"	<u>Silty SAND brown, mosit, fine Sand</u>					
13									
14				<u>End Boring at 12 feet</u>					
15									
16									
17									
18									
19									
20									
21									
22									
23									

		C&S Engineers, Inc. 141 Elm Street Buffalo, New York 14203 Phone: 716-847-1630 Fax: 716-847-1454		BORING LOG		Boring No. EB-10	
		Sheet 1 of: 1					
		Project No.: X97.001.001					
Project Name:		Buffalo Salvation Army BCP				Surface Elev.:	
Location:		960 and 1000 Main Street, Buffalo, New York				Datum:	
Client:		The Salvation Army				Start Date: 7/2/21	
Drilling Firm:		TREC Environmental, Inc.				Finish Date: 7/2/21	
Groundwater	Depth	Date & Time	Drill Rig: Geoprobe 66DT			Inspector: C. Martin	
While Drilling:			Casing: 2"	Rock Core:		Undist:	
Before Casing Removal:			Sampler: 4 Foot	Other:			
After Casing Removal:			Hammer:				
(N -- No. of blows to drive sampler 12" w/140 lb. hammer falling 30" ASTM D-1586, Standard Penetration Test)							
Depth (ft)	Sample No.	Symbol	Blows on Sampler per 6"	MATERIAL DESCRIPTION		COMMENTS (e.g., N-value, recovery, relative moisture, core run, RQD, % recovered)	
				c - coarse m - medium f - fine	a - and - 35-50% s - some - 20-35% l - little - 10-20% t - trace - 0-10%		
1			6"	<u>Asphalt</u>		9:15	
			8"	<u>FILL- brown Silt and Sand, rock and brick pieces</u>			
2			20"	<u>Sandy SILT brown, moist, some fine Sand</u>			
3							
4							
5			21"	<u>Sandy SILT brown, moist, some fine Sand</u>			
6							
7							
8			21"	<u>Sandy SILT brown, moist, some fine Sand</u>			
9							
10							
11							
12							
13				<u>End Boring at 12 feet</u>			
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							

		C&S Engineers, Inc. 141 Elm Street Buffalo, New York 14203 Phone: 716-847-1630 Fax: 716-847-1454		BORING LOG		Boring No. TMW-01	
		Sheet 1 of: 1					
		Project No.: X97.001.001					
Project Name:		Buffalo Salvation Army BCP				Surface Elev.:	
Location:		960 and 1000 Main Street, Buffalo, New York				Datum:	
Client:		The Salvation Army				Start Date: 7/1/21	
Drilling Firm:		TREC Environmental, Inc.				Finish Date: 7/1/21	
Groundwater	Depth	Date & Time	Drill Rig: Geoprobe 66DT			Inspector: C. Martin	
While Drilling:			Casing:	2"	Rock Core:	Undist:	
Before Casing Removal:			Sampler:	4 Foot	Other:		
After Casing Removal:			Hammer:				
(N -- No. of blows to drive sampler 12" w/140 lb. hammer falling 30" ASTM D-1586, Standard Penetration Test)							
Depth (ft)	Sample No.	Symbol	Blows on Sampler per 6"	MATERIAL DESCRIPTION		COMMENTS	
				c - coarse m - medium f - fine S - Sand, \$ - Silt, G - Gravel, C - Clay, cly - clayey	a - and - 35-50% s - some - 20-35% l - little - 10-20% t - trace - 0-10%	(e.g., N-value, recovery, relative moisture, core run, RQD, % recovered)	
1			4"	<u>Asphalt and Gravel Sub-base</u>		9:30	
2			12"	<u>Silty SAND, brown, moist, fine Sand, wet to saturated at 12"</u>		Overcast 70 Degrees	
3			10"	<u>Silty CLAY, brown, moist, high plasticity, trace imbedded Gravel, 0.5" & smaller, round</u>		3 mph N	
4						PID calibrated	
5			24"	<u>Silty CLAY, brown, moist, high plasticity, trace imbedded Gravel, 0.5" & smaller, round</u>		Refusal at 24 feet	
6							
7			12"	<u>Silty SAND, brown, moist, fine Sand</u>			
8							
9			10"	<u>Silty SAND, brown, loose and water saturated, fine Sand</u>			
10			20"	<u>Silty SAND, light brown, dry, fine Sand</u>			
11							
12			24"	<u>Loose and water saturated Sand, Silt and Clay</u>			
13							
14			11"	<u>brown to light brown Silty SAND, dry, fine Sand</u>			
15							
16							
17			48"	<u>brown to light brown Silty SAND, dry, fine Sand</u>			
18							
19							
20							
21			48"	<u>brown to light brown Silty SAND, dry, fine Sand</u>			
22							
23				<u>End Boring at 24 feet</u>			



C&S Engineers, Inc.
141 Elm Street
Buffalo, New York 14203
Phone: 716-847-1630
Fax: 716-847-1454

BORING LOG GENERAL INFORMATION & KEY

Casing, Sampling and Other Equipment

H.S.A: Hollow Stem Auger (record I.D.)

S.S.A: Solid Stem Auger (record O.D.)

Steel: Hollow Steel Flush Joint Casing (recorded I.D.)

Open: Open Hole / No Casing (record I.D.)

S.S.: Split Spoon (record I.D.)

Hammer: Auto - Automatic, Manual - Manual (rope & cat-head)

Undist: Tube - Shelby, Oste - Osteberg (record I.D. & length)

Rock Cores

Standard I.D.

Wire Line I.D.

EW / EX 1-13/32"

-- --

AW / AX 1-25/32"

AQ 1-1/8"

BW / BX 2-7/32"

BQ 1-1/2"

NW / NX 2-27/32"

NQ 1-31/32"

HW / HX 2-25/32"

HQ 2-5/8"

Symbol Legend & Abbreviations



Split Spoon
Sample



Rock Core

Undisturbed
Sample

Abbreviations

W.O.R. - Weight of Rods
W.O.H. - Weight of Rods & Hammer
N - Standard Penetration Test N-value
N.W.E. - No Water Encountered
do - ditto (same as above)
Rec - Recovery
RQD - Rock Quality Designation
PP - Pocket Penetrometer
Tor - Torvane

Color

br - brown
rd - red
gr - gray
grn - green
blk - black
wht - white

Description of Soil Density

Relative Soil Density determined while advancing the soil boring by using ASTM Method D-1586, *Standard Penetration Test N-Value*. The N-Value is calculated by adding the hammer blow counts of the 2nd and 3rd sampling intervals together for driving a 2" O.D. sampler with a 140 lb. hammer falling 30" --OR-- by obtaining Pocket Penetrometer or Torvane Readings.

Course Grained Soils

Greater than half the material larger than No. 200 Sieve (sand and gravel)

Fine Grained Soils

N-Value	Relative Density	N-Value	Undrained Shear Strength (q _u)				Relative Density
			psi	psf	tsf or kg/cm ²	kN/m ²	
< 2		< 2	< 2.5	< 375	< 0.2	< 20	Very Soft
2 to 4	Very Loose	2 to 4	2.5 - 5	375 - 750	0.20 - 0.40	20 - 40	Soft
5 to 8	Loose	5 to 8	5 - 10	750 - 1,500	0.40 - 0.75	40 - 75	Firm -or- Medium Stiff
9 to 15	Medium Dense	9 to 15	10 - 20	1,500 - 3,000	0.75 - 1.50	75 - 150	Stiff
16 to 30	Dense	16 to 30	20 - 40	3,000 - 6,000	1.50 - 3.00	150 - 300	Very Stiff
> 30	Very Dense	> 30	> 40	> 6,000	> 3	> 3,000	Hard

Description of Soil Type

Material	Grain Size	Material	Grain Size	Material	Grain Size	Material	Grain Size
Boulder	> 8"	Gravel		Sand		Silt & Clay	< #200
Cobble	8" - 3"	Course	3" - 1-1/2"	Course	#4 - #10	Note: # indicates U.S. Standard Sieve with size shown.	
		Medium	1-1/2" - 3/4"	Medium	#10 - #40		
		Fine	3/4" - #4	Fine	#40 - #200		

Bed Rock Classification Terms & Field Test / Field Observation

Term	Field Test / Field Observation	Rock Mass Classification based on RQD	
Hardness		RQD	Rock Mass Quality
Soft	Can be Scratched by Fingernail	< 25%	very poor
Medium Hard	Easily Scratched by Pen Knife or Nail	25% - 50%	poor
Hard	Difficultly Scratched by Pen Knife or Nail	50% - 75%	fair
Very Hard	Cannot be Scratched by Pen Knife or Nail	75% - 90%	good
Weathering		90% - 100%	excellent
Very Weathered	Based on observations (e.g., amount of disintegration, iron staining, core recovery, clay seams, amount of material within joints, etc.)	RQD = $\frac{\Sigma \text{ of pieces } \geq 4"}{\text{total length of run}}$ ASTM Method D-6032, <i>Standard Test Method for Determining Rock Quality Designation (RQD) of Rock Cores</i>	
Weathered			
Sound			
Bedding (Natural Breaks in Rock Layers)			
Laminated	< 1 inch		
Thinly Bedded	1 inch to 4 inches		
Bedded	4 inches to 12 inches		
Thickly Bedded	12 inches to 36 inches		
Massive	> 36 inches		