

Report of

Subsurface Environmental Investigation

Prepared for:
Orion Engineers, PLLC

750 State Street, Elgin, Kane County, Illinois

May 10, 2021

ECS Midwest, LLC
1575 Barclay Blvd
Buffalo Grove, Illinois 60089
847-279-0366





May 10, 2021

Mr. Brett Butterfield
Orion Engineers, PLLC
3750 North Kedzie Avenue, PO Box 18321
Chicago, Illinois 60618

ECS Project No. 53-3032

RE: **Subsurface Environmental Assessment – Elgin Mental Health Center, 750 State Street, Elgin, Kane County, Illinois**

Dear Mr. Butterfield,

Please find enclosed one copy of the Subsurface Environmental Investigation completed by ECS for the above referenced property. If you have any questions concerning the information contained in this report, please contact either of the undersigned at (847) 279-0366. Thank you for retaining ECS for this assessment.

Respectfully Submitted,

ECS MIDWEST, LLC

Kara Bach
Project Manager

Jason Warren, REM
Principal

I:\Office 53 Environmental\Phase II\Phase II\Illinois\3032 Elgin Mental Health Center SSI

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1.0 INTRODUCTION

ECS Midwest, LLC (ECS) was retained to perform a subsurface environmental investigation at the property located at 750 State Street, Elgin, Kane County, Illinois (subject property). A site plan/topographic map is provided as Figure 1 and an Aerial Photograph is provided as Figure 2.

The subject property is identified by the Kane County Assessor's Office as portions of two parcels, including parcel numbers 06-23-400-017 and 06-26-201-016. The subject property consists of a 7-acre parcel of land that is currently grass covered with some paved sidewalks. Additionally, there are three residential structures and storage sheds located throughout the property.

1.1 Purpose of Investigation

Stanley Consultants, Inc. (Stanley) conducted a Phase I Environmental Site Assessment on the subject property (dated October 7, 2020). As noted within the report, the following recognized environmental conditions were identified:

- Former Hospital Operations/Demolition – The former operations and demolition on the site as a hospital and diagnostic building to the east. The site was developed as a hospital for over sixty years and it is unknown what became of medical waste generated by the site. The hospital also had identified steam tunnels in the northwest corner and the northeast corner that connected it to the diagnostic building. These tunnels were not accessed during the site inspection. Demolition debris of the general hospital and diagnostic buildings could have resulted in contamination of the soil.
- Underground Storage Tanks – The greater Elgin Mental Health Center is considered to be a REC in connection with the Property, as the site has had several LUST incidents and USTs on the site. While most have been addressed, the potential presence of additional USTs and soil contamination from LUST incidents represent a potential material threat to the Property.

Based on the findings of this assessment, sampling of the onsite soil and soil/gas sampling was requested.

1.2 Objectives and Scope of Work

In an effort to determine if the subject property has been affected by the identified RECs, ECS performed a subsurface environmental investigation. The subsurface investigation consisted of the collection of thirteen soil samples and three soil/gas samples. Please note that ECS originally proposed to collect three groundwater samples; however, due to the fact that groundwater was not encountered to the maximum depth explored, groundwater samples were not collected and three deeper soil samples were collected in lieu of groundwater samples.

2.0 SUBSURFACE EXPLORATION

The subsurface investigation activities included soil and soil/gas sampling and analysis as described below.

2.1 Soil Sampling Program

On April 20, 2021, in order to evaluate subsurface soil conditions, ECS collected one soil sample from each of ten soil borings (B-1 through B-10) advanced on the subject property. In addition, ECS collected three deep soil samples from each of three soil borings (B-3, B-4, and B-9). The locations of the soil borings are shown in Figure 3. The soil borings were advanced by using a direct-push hydraulic probe (Geoprobe) and were advanced continuously from the ground surface to the bottom of the borings (approximately 15 feet) by pushing a 2 inch diameter by 5 foot long hollow-barreled sampler into/through the soil. Soil samples were collected in dedicated, disposal plastic liners contained in the sampler. Following sample collection the soil boring holes were backfilled with granular bentonite and/or the soil cuttings to match the existing ground surface. Drilling equipment, including the sampling rods, was decontaminated prior to sampling and in between boring locations using a high pressure steam cleaner. All drilling activities were conducted by Environmental Soil Probing Corp. of Saint Charles, Illinois under the supervision of an ECS geologist.

2.2 Soil/Gas Sampling Program

ECS installed three soil/gas sample collection points (SG-1, SG-2, and SG-3) and collected soil/gas samples directly from on-site shallow soils. Sampling and analysis were conducted in general accordance with Illinois EPA regulations. Figure 3 provides the locations of the soil/gas sampling points.

The soil/gas samples were collected from a depth of 3 feet below the ground surface and above the saturation zone. The soil/gas monitoring points were installed using the truck mounted, direct-push hydraulic probe with an expendable tip, to the desired depth (approximately 3 feet below ground surface – as required by the Illinois EPA). Once the desired depth was reached, a 1/8 inch outside diameter post-run nylon tubing was connected to the expendable point holders. The rods were then pulled up three to six inches to create cavities to collect the soil/gas samples. The rods were sealed at the surface with bentonite clay to prevent air from entering around the rods.

Following installation, the monitoring points were purged of approximately five volumes of air prior to soil/gas sample collection. Upon completion of purging activities and prior to sample collection, leak tests, utilizing helium tracer gas, were performed in order to confirm that there were no leaks within the sampling trains. Upon verification that no leaks existed within the sampling trains, soil/gas samples were collected over an 8 minute period utilizing an 8 minute regulator and stainless steel summa canister (calibrated and certified clean by the analytical laboratory). Soil/gas sampling was not conducted within 48 hours after a rainfall event of 1/2 inch or greater, in standing or ponded water areas or where soil is constantly watered by an irrigation system.

2.3 Soil and Soil/Gas Analytical Program

Thirteen soil samples and three soil/gas samples were collected and analyzed for the parameters listed below:

Number of Samples	Analytical Parameters
Soil	
10	VOCs, PNAs, RCRA Metals, pH
3 (Deep)	BTEX and PNAs
Soil/Gas	
3	VOCs

VOCs/BTEX – Volatile organic compounds/Benzene Toluene, Ethylbenzene, total Xylenes via Method 5035/8260B, TO-15)

PNAs – Polynuclear aromatic hydrocarbons via Method 8270

RCRA Metals – Via Method 6010B/7471B

pH – Via Method 9045D

The soil and soil/gas analysis was performed by Test America of University Park, Illinois on a standard laboratory turnaround basis.

3.0 RESULTS OF SUBSURFACE EXPLORATION

3.1 Soil Conditions

Soil samples were examined for overburden classification as well as for visual evidence of contamination. Soil type, consistency, and the thickness and depth of the units were used to define the site stratigraphy. The following soils were encountered:

During drilling, the stratigraphy of the subject property was defined to a depth of approximately 15 feet, the depth of the deepest soil boring. Generally, the subject property comprised of 1 foot of topsoil underlain by a sand fill that extended down to 15 feet bgs. At locations B-1 and B-3, a clay seam was encountered from 2 to 10 feet bgs. Boring logs are included in Appendix I.

Headspace vapor measurements were taken in the field on separate split samples (i.e. not on the portion of the sample preserved for subsequent analysis) to estimate the VOC content of the samples using a Ray Systems Mini-Ray® photoionization detector (PID). The PID was calibrated with a 100-ppm_{v/v} isobutylene-in-air commercial grade gas standard. The headspace samples were prepared by filling a new airtight plastic bag approximately half full with a sample of the soil collected from the respective sample interval. The airtight bag was then sealed and allowed to equilibrate at ambient temperature and out of direct sunlight for at least 15 minutes. The sample headspace was screened for VOCs by inserting the PID probe through the plastic approximately 1 inch into the airtight bag.

PID readings were observed to be at or below background levels at each of the soil boring locations.

3.2 Results of Soil Analysis

Soil samples were collected and analyzed for VOCs/BTEX, PNAs, RCRA Metals, and/or pH. The locations of the soil borings are shown on Figure 3 and the results of the soil analysis are summarized in Tables 1 through 4. Copies of the laboratory report and chain of custody document are included in Appendix I.

The results of the soil analysis were compared to the Illinois EPA Tier 1 Soil Remediation Objectives (SROs), and/or documented background concentrations, as cited in Title 35 Illinois Administrative Code 742 (35 IAC 742). Given the use of the subject property (residential), these comparisons were based upon a residential classification and construction worker scenarios for the soil ingestion and outdoor soil inhalation exposure pathways. The soil component to groundwater ingestion (SCGI) exposure pathway was based upon a Class I groundwater designation, as the actual class of groundwater has not been determined for the subject property.

The results of the investigation are as follows:

VOCs/BTEX compounds were not detected at concentrations exceeding applicable SROs.

PNAs were not detected at concentrations exceeding applicable SROs.

Metals were not detected at concentrations exceeding applicable SROs.

3.3 Results of Soil/Gas Analysis

Soil/gas samples were collected and analyzed for VOCs. The locations of the soil/gas sampling points are shown in Figure 3. The results of the soil/gas analysis are summarized in Table 5. Copies of the laboratory report and chain of custody document are included in Appendix I. The results of the soil/gas sampling were compared to the Remediation Objectives (ROs) for the Indoor Inhalation Exposure Route and Construction Worker Exposure Route, for residential properties, as identified in Table H of *Part 742 Tiered Approach to Corrective Action Objectives (TACO)*.

- **VOCs** were not detected at concentrations exceeding applicable industrial/commercial ROs; however, there were detections of various VOCs that exceeded laboratory detection limits.

4.0 CONCLUSIONS

4.1 Summary and Recommendations

ECS was retained to perform a subsurface environmental investigation at 750 State Street, Elgin, Kane County, Illinois. The objective of the subsurface environmental investigation was to determine if the previously identified RECs have negatively impacted the subject property. To meet this objective, ECS collected thirteen soil samples and three soil/gas samples for chemical analysis. The findings of our subsurface investigation are noted below.

As indicated in the attached tables, exceedances of applicable exposure pathways were not identified within the soil and/or soil/gas samples collected from the subject property. As such, further investigation is not recommended at this time. However, as various detections were identified within

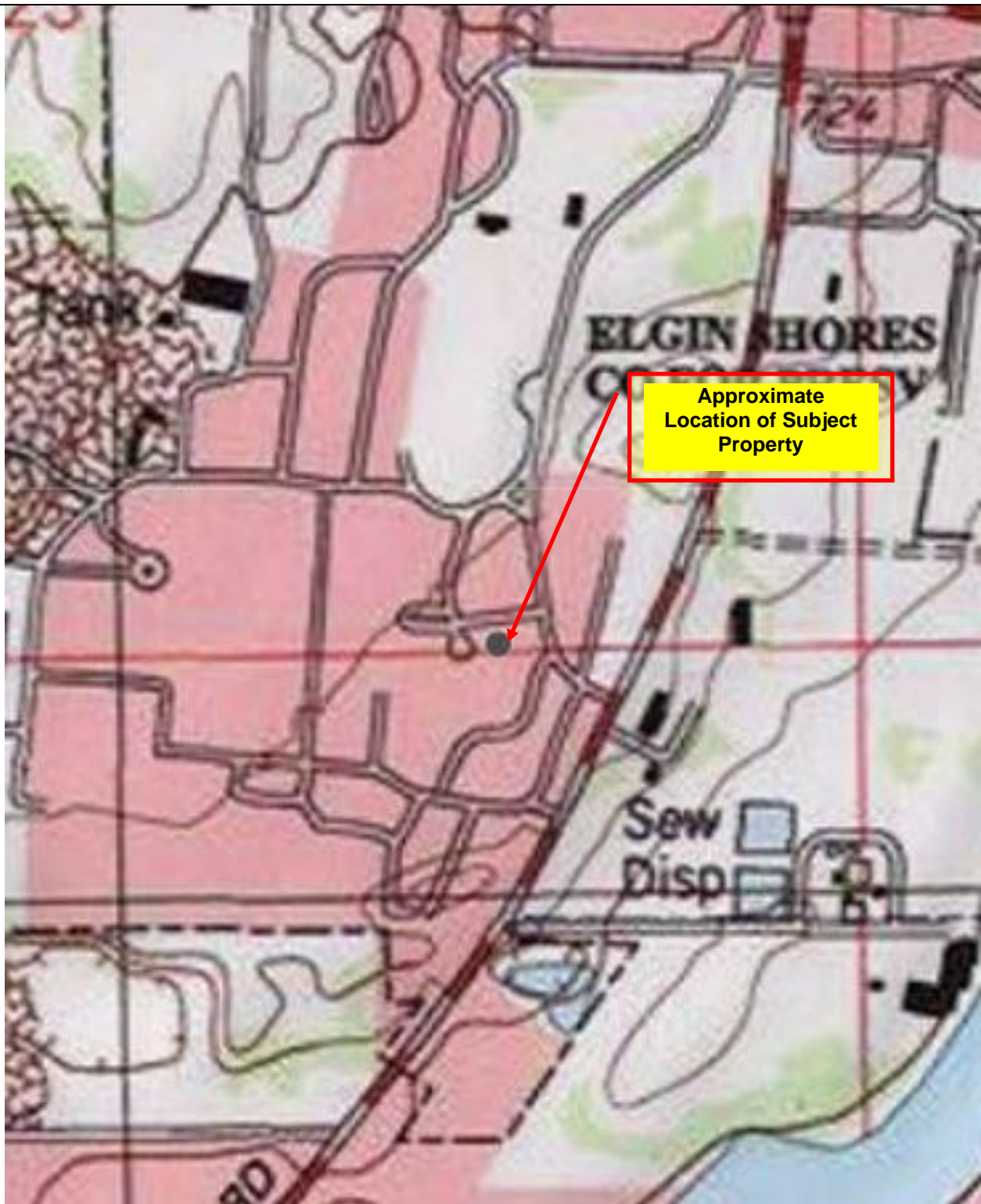
the samples, in order to stay compliant with current Illinois EPA regulations, future buildings should maintain a full concrete slab on-grade and/or full concrete walls and floor basement construction, with no sumps or sealed sumps.

5.0 LIMITATIONS

The conclusions presented herein are based on field observations and analytical data obtained by ECS at the subject property. The opinions presented here are based on our understanding of existing environmental statutes and regulations. No representation is made or intended relative to future environmental statutes, regulations, or objectives. This report represents our professional judgment and opinion. No warranty is expressed or implied.

Elgin Mental Health Center SSI
ECS Project No. 53-3032
May 2021

FIGURES



Source: USGS Topography



Figure 1
Topography Map
ECS Project # 3001
750 South State Street
Elgin, Illinois



Elgin Mental Health Center SSI
750 South State Street
Elgin, Kane County, Illinois



Figure 2
Aerial Photograph
ECS Project No. 53: 3032
May 2021



Legend – Not to Scale



Approximate Soil Sample Locations



Approximate Soil/Gas Sample Locations

Elgin Mental Health Center SSI
 750 South State Street
 Elgin, Kane County, Illinois



Figure 3
 Sample Location Diagram
 ECS Project No. 53: 3032
 May 2021

Elgin Mental Health Center SSI
ECS Project No. 53-3032
May 2021

TABLES

**Table 2. Summary of Soil Sample Analyses for BTEX Compounds
 Samples Collected April 2021**

Analyte						Sample Location and Depth (ft)				
	Residential		SCGI	Construction Worker		B-2	B-4	B-4 Deep	B-6	B-7
	Ingestion	Inhalation	Class II	Ingestion	Inhalation					
	mg/kg									
Benzene	12	0.8	0.03	2300	2.2	<0.0074	<0.0074	<0.0066	<0.0086	<0.0069
Ethylbenzene	7800	400	13	20000	58	<0.0093	<0.0093	<0.0083	<0.011	<0.0086
Toluene	16000	650	12	410000	42	<0.0075	<0.0075	<0.0067	<0.0087	<0.0069
Xylenes, Total	16000	320	150	41000	5.6	<0.011	<0.011	<0.010	<0.013	<0.010

Concentrations in excess of Tier 1 SROs are shaded yellow

Exceeded SROs are shaded green

NRO – No Remediation Objective Listed in 35 IAC 742

VOCs via USEPA Method SW8260B/5035

Table 3. Summary of Soil Sample Analyses for PNA Compounds
 Samples Collected April 2021

Analyte						Sample Location and Depth (ft)												
	Residential		SCGI	Construction Worker		B-1	B-2	B-3 Deep	B-3	B-4	B-4 Deep	B-5	B-6	B-7	B-8	B-9	B-9 Deep	B-10
	Ingestion	Inhalation	Class II	Ingestion	Inhalation													
	mg/kg																	
Acenaphthene	4,700	NRO	2900	120,000	NRO	<0.0069	<0.0069	<0.0061	0.013	<0.0067	<0.0059	<0.0074	0.058	<0.0062	0.014	<0.0074	<0.0062	<0.0075
Acenaphthylene	2,300	NRO	420	61,000	NRO	0.0056	<0.0051	<0.0045	0.047	<0.0049	<0.0044	<0.0054	0.0053	<0.0046	<0.0048	<0.0054	<0.0045	<0.0055
Anthracene	23,000	NRO	59000	610,000	NRO	0.024	0.015	<0.0057	0.063	<0.0062	<0.0055	<0.0068	0.14	<0.0058	0.029	<0.0068	<0.0058	<0.0070
Benzo[a]anthracene	1.8	NRO	8	170	NRO	0.13	0.084	<0.0046	0.43	<0.0050	<0.0044	<0.0055	0.44	<0.0047	0.068	<0.0055	<0.0046	<0.0056
Benzo[a]pyrene	2.1	NRO	82	17	NRO	0.16	0.092	<0.0066	0.44	<0.0072	<0.0064	<0.0079	0.36	<0.0067	0.061	<0.0079	<0.0067	<0.0081
Benzo[b]fluoranthene	2.1	NRO	25	170	NRO	0.22	0.15	<0.0074	0.61	<0.0080	<0.0071	<0.0088	0.46	<0.0075	0.076	<0.0088	<0.0074	<0.0090
Benzo[g,h,i]perylene	2,300	NRO	130000	61,000	NRO	0.049	0.040	<0.011	0.15	<0.012	<0.011	<0.013	0.13	<0.011	0.025	<0.013	<0.011	<0.013
Benzo[k]fluoranthene	9	NRO	250	1,700	NRO	0.11	0.060	<0.010	0.27	<0.011	<0.0097	<0.012	0.23	<0.010	0.028	<0.012	<0.010	<0.012
Chrysene	88	NRO	800	17,000	NRO	0.14	0.10	<0.0093	0.43	<0.010	<0.0090	<0.011	0.44	<0.0095	0.069	<0.011	<0.0094	<0.011
Dibenz[a,h]anthracene	0.2	NRO	7.6	17	NRO	0.013	0.0099	<0.0066	0.049	<0.0072	<0.0064	<0.0079	0.048	<0.0067	<0.0071	<0.0079	<0.0067	<0.0080
Fluoranthene	3,100	NRO	21000	82,000	NRO	0.29	0.15	<0.0063	0.58	<0.0069	<0.0061	<0.0076	0.76	<0.0064	0.12	<0.0076	<0.0064	<0.0077
Fluorene	3,100	NRO	2800	82,000	NRO	<0.0054	<0.0054	<0.0048	0.013	<0.0052	<0.0046	<0.0058	0.050	<0.0049	0.014	<0.0058	<0.0048	<0.0059
Indeno[1,2,3-cd]pyrene	0.9	NRO	69	170	NRO	0.054	0.040	<0.0089	0.16	<0.0096	<0.0086	<0.011	0.14	<0.0090	0.025	<0.011	<0.0089	<0.011
Naphthalene	1,600	170	18	4,100	1.8	0.0066	0.030	<0.0053	0.014	<0.0057	<0.0051	<0.0063	0.030	<0.0053	0.0083	<0.0063	<0.0053	<0.0064
Phenanthrene	2,300	NRO	1100	61,000	NRO	0.11	0.10	<0.0048	0.24	<0.0052	<0.0046	<0.0057	0.62	<0.0048	0.11	<0.0057	<0.0048	<0.0058
Pyrene	2,300	NRO	21000	61,000	NRO	0.20	0.15	<0.0068	0.56	<0.0074	<0.0066	<0.0081	0.68	<0.0069	0.11	<0.0081	<0.0068	<0.0083

Concentrations in excess of Tier 1 SROs are shaded yellow

Exceeded SROs are shaded green

NRO – No Remediation Objective Listed in 35 IAC 742

PNAs via USEPA Method 8270c

**Table 4. Summary of Soil Sample Analyses for RCRA Metals and pH
 Samples Collected April 2021**

Analyte						Sample Location and Depth (ft)							
	Residential		SCGI	Construction Worker		B-1	B-3 Deep	B-3	B-5	B-8	B-9	B-9 Deep	B-10
	Ingestion	Inhalation	Class II*	Ingestion	Inhalation								
	mg/kg												
Arsenic	13	750	120-130 [13]	61	25,000	5.8	2.4	8.2	9.3	9.2	7.2	4.9	9.8
Barium	5,500	690,000	NRO-2,100 [110]	14000	870,000	29	8.8	100	120	100	150	16	100
Cadmium	78	1800	NRO-4,300 [0.6]	200	59,000	0.18	0.11	0.27	0.16	0.17	0.13	0.11	0.26
Chromium	230	270	21-28** [16.2]	4,100	690	9.6	3.6	14	18	14	17	4.9	15
Lead	400	NRO	1,420-3,760 [36]	700	NRO	25	3.4	50	16	27	17	7.5	12
Selenium	390	NRO	1.3-2.4 [0.48]	1,000	NRO	<0.66	<0.56	<0.60	<0.72	<0.65	<0.73	<0.59	<0.71
Silver	390	NRO	NRO-110** [0.55]	1,000	NRO	0.21	<0.12	0.39	0.56	0.35	0.43	<0.13	0.34
Mercury	23	10	NRO-40 [0.06]	61	0.1	0.046	<0.0054	0.084	0.068	0.044	0.042	0.0055	0.030
pH	NRO					8.34	8.93	8.32	8.02	8.15	7.73	8.79	7.30

Concentrations in excess of Tier 1 SROs are shaded yellow

Exceeded SROs are shaded green

NRO – No Remediation Objective listed in 35 IAC 742

* - Indicates that RO is pH specific

** - indicates the more restrictive Class I groundwater classification was utilized for comparison

[x] - Indicates that background concentration was utilized as pH specific RO does not exist

Metals and pH via USEPA Method 6010B/9014

Table 5. Summary of Soil/Gas Sample Analyses for Volatile Organic Compounds

Samples Collected April 2021

Analyte	Indoor Inhalation (Residential)	Sample ID		
		SG-1	SG-2	SG-3
mg/m ³				
1,1,1-Trichloroethane	6,600	<0.0020	<0.0020	<0.0020
1,1,2-Trichloroethane	170,000	<0.00038	<0.00038	<0.00038
1,1-Dichloroethane	690	<0.00028	<0.00028	<0.00028
1,1-Dichloroethylene	240	<0.00032	<0.00032	<0.00032
1,2,4-Trichlorobenzene	5.4	<0.0047	<0.0047	<0.0047
1,2-Dibromoethane	0.0078	<0.00054	<0.00054	<0.00054
1,2-Dichlorobenzene	290	<0.0019	<0.0019	<0.0019
1,2-Dichloroethane	0.099	<0.00040	<0.00040	<0.00040
1,2-Dichloropropane	0.31	<0.00046	<0.00046	<0.00046
1,4-Dichlorobenzene	1,200	<0.00096	<0.00096	<0.00096
2-Butanone (MEK)	6,400	<0.0022	0.030	0.022
Acetone	750,000	0.017	0.42	0.42
Benzene	0.37	0.00049	0.032	0.017
Bromodichloromethane	450,000	<0.0012	<0.0012	<0.0012
Bromoform	11	<0.00093	<0.00093	<0.00093
Butanol	29,000	<0.0052	<0.0052	0.0083
Carbon disulfide	780	<0.00034	0.0049	0.042
Carbon tetrachloride	0.21	0.00046	0.00051	0.00057
Chlorobenzene	69	0.00034	0.00037	0.00046
Chlorodibromomethane	57,000	<0.00060	<0.00060	<0.00060
Chloroform	0.11	<0.00034	0.00036	<0.00034
cis-1,2-Dichloroethylene	1,100,000	<0.00040	<0.00040	<0.00040
Dichlorodifluoromethane	270	0.0027	0.0026	0.0028
Ethylbenzene	1.3	0.0043	0.0021	0.0047
Isopropylbenzene	600	<0.00084	<0.00084	<0.00084
m+p-Xylene	130	0.017	0.0025	0.010
Methyl bromide	6.9	<0.00085	<0.00085	<0.00085
Methyl tertiary butyl ether	3,700	<0.0019	<0.0019	<0.0019
Methylene chloride	5.6	<0.014	<0.014	<0.014
Naphthalene	0.11	<0.0040	<0.0040	<0.0040
o-Xylene	120	0.0052	<0.00065	0.0024
p-Dioxane	0.22	<0.0011	<0.0011	<0.0011
Styrene	1,400	<0.0010	<0.0010	<0.0010
Tetrachloroethylene	0.55	<0.00047	0.0022	0.0031
Toluene	6,200	<0.0029	0.10	0.12
trans-1,2-Dichloroethylene	85	<0.00028	<0.00028	<0.00028
Trichloroethylene	1.5	<0.00070	0.0060	0.0067
Trichlorofluoromethane	860	0.0014	0.0015	0.0015
Vinyl acetate	250	<0.00099	<0.00099	<0.00099
Vinyl chloride	0.29	<0.00066	<0.00066	0.00087
Xylenes (total)	140	0.022	0.0025	0.012
cis-1,3-Dichloropropene	NRO	<0.00073	<0.00073	<0.00073
trans-1,3-Dichloropropene	NRO	<0.00041	<0.00041	<0.00041

Concentrations in excess of ROs are shaded yellow

Exceeded ROs are shaded green

Indoor ROs as Listed in 35 IAC 742 Appendix B - Table H

NRO – No Remedial Objective Listed

Air Analysis via USEPA Method TO-15

Elgin Mental Health Center SSI
ECS Project No. 53-3032
May 2021

APPENDIX I
BORING LOGS

PROJECT: Elgin Mental Health Center
CLIENT: Orion Engineers

BORING NUM. B-1
PROJECT NO. 53:3032



LOCATION: 750 South State Street, Elgin, IL	ELEVATION:	
DRILLER: ESP Drilling	DATE DRILLED: 4/20/2021	LOGGED BY: Kara B.
DRILL RIG: Geoprobe	DEPTH TO WATER:	

This information pertains only to this boring and should not be interpreted as being indicative of the site.

Elevation/ Depth (Ft)	PID Reading	Sample Number	Sample Recovery (in/in)	Graphic Log	Soil Classification	SOIL DESCRIPTION
0	0.0 0.0				Topsoil	Dark brown topsoil, trace gravel
5					CL	Brown lean clay, trace gravel
10	0.0 0.0					Brown sand, fill
15						END OF BORING @ 15'
20						
25						
30						
35						

PROJECT: Elgin Mental Health Center
CLIENT: Orion Engineers

BORING NUM. B-2
PROJECT NO. 53:3032



LOCATION:	750 South State Street, Elgin, IL	ELEVATION:	
DRILLER:	ESP Drilling	DATE DRILLED:	4/20/2021
DRILL RIG:		LOGGED BY:	Kara B.
		DEPTH TO WATER:	

Geoprobe

Elevation/ Depth (Ft)	PID Reading	Sample Number	Sample Recovery (in/in)	Graphic Log	Soil Classification	SOIL DESCRIPTION
0	0.0				Topsoil	Dark brown topsoil, trace gravel
0.0					SW	Tan sand, fill
5						
10	0.0					
15	0.0					
20						
25						
30						
35						
						END OF BORING @ 15'

This information pertains only to this boring and should not be interpreted as being indicative of the site.

PROJECT: Elgin Mental Health Center
CLIENT: Orion Engineers

BORING NUM. B-3
PROJECT NO. 53:3032



LOCATION: 750 South State Street, Elgin, IL	ELEVATION:	
DRILLER: ESP Drilling	DATE DRILLED: 4/20/2021	LOGGED BY: Kara B.
DRILL RIG: Geoprobe	DEPTH TO WATER:	

This information pertains only to this boring and should not be interpreted as being indicative of the site.

Elevation/ Depth (Ft)	PID Reading	Sample Number	Sample Recovery (in/in)	Graphic Log	Soil Classification	SOIL DESCRIPTION
0	0.0 0.0				Topsoil	Dark brown topsoil, trace gravel
5					CL	Brown lean clay, trace gravel
10	0.0					Brown sand, fill
15	0.0					END OF BORING @ 15'
20						
25						
30						
35						

PROJECT: Elgin Mental Health Center
CLIENT: Orion Engineers

BORING NUM. B-4
PROJECT NO. 53:3032



LOCATION: 750 South State Street, Elgin, IL	ELEVATION:	
DRILLER: ESP Drilling	DATE DRILLED: 4/20/2021	LOGGED BY: Kara B.
DRILL RIG:	DEPTH TO WATER:	

Geoprobe

Elevation/ Depth (Ft)	PID Reading	Sample Number	Sample Recovery (in/in)	Graphic Log	Soil Classification	SOIL DESCRIPTION
0	0.0				Topsoil	Dark brown topsoil, trace gravel
5	0.0				SW	Tan sand, fill
10	0.0					
15	0.0					
20						END OF BORING @ 15'
25						
30						
35						

This information pertains only to this boring and should not be interpreted as being indicative of the site.

PROJECT: Elgin Mental Health Center
CLIENT: Orion Engineers

BORING NUM. B-5
PROJECT NO. 53:3032



LOCATION: 750 South State Street, Elgin, IL	ELEVATION:	
DRILLER: ESP Drilling	DATE DRILLED: 4/20/2021	LOGGED BY: Kara B.
DRILL RIG:	DEPTH TO WATER:	

Geoprobe

Elevation/ Depth (Ft)	PID Reading	Sample Number	Sample Recovery (in/in)	Graphic Log	Soil Classification	SOIL DESCRIPTION
0	0.0				Topsoil	Dark brown topsoil, trace gravel
5	0.0				SW	Tan sand, fill
10	0.0					
15	0.0					
20						END OF BORING @ 15'
25						
30						
35						

This information pertains only to this boring and should not be interpreted as being indicative of the site.

PROJECT: Elgin Mental Health Center
CLIENT: Orion Engineers

BORING NUM. B-6
PROJECT NO. 53:3032



LOCATION: 750 South State Street, Elgin, IL	ELEVATION:	
DRILLER: ESP Drilling	DATE DRILLED: 4/20/2021	LOGGED BY: Kara B.
DRILL RIG:	DEPTH TO WATER:	

Geoprobe

Elevation/ Depth (Ft)	PID Reading	Sample Number	Sample Recovery (in/in)	Graphic Log	Soil Classification	SOIL DESCRIPTION
0	0.0				Topsoil	Dark brown topsoil, trace gravel
5	0.0				SW	Tan sand, fill
10	0.0					
15	0.0					
20						
25						
30						
35						
						END OF BORING @ 15'

This information pertains only to this boring and should not be interpreted as being indicative of the site.

PROJECT: Elgin Mental Health Center
CLIENT: Orion Engineers

BORING NUM. B-7
PROJECT NO. 53:3032



LOCATION: 750 South State Street, Elgin, IL	ELEVATION:	
DRILLER: ESP Drilling	DATE DRILLED: 4/20/2021	LOGGED BY: Kara B.
DRILL RIG:	DEPTH TO WATER:	

Geoprobe

Elevation/ Depth (Ft)	PID Reading	Sample Number	Sample Recovery (in/in)	Graphic Log	Soil Classification	SOIL DESCRIPTION
<div style="display: flex; align-items: center;"> <div style="flex: 1; border-left: 1px solid black; border-right: 1px solid black; padding: 0 5px;"> <p style="text-align: center;">0</p> <p style="text-align: center;">5</p> <p style="text-align: center;">10</p> <p style="text-align: center;">15</p> <p style="text-align: center;">20</p> <p style="text-align: center;">25</p> <p style="text-align: center;">30</p> <p style="text-align: center;">35</p> </div> <div style="flex: 1; border-left: 1px solid black; border-right: 1px solid black; padding: 0 5px;"> <p style="text-align: center;">0.0</p> <p style="text-align: center;">0.0</p> <p style="text-align: center;">0.0</p> <p style="text-align: center;">0.0</p> </div> </div>					<p>Topsoil</p> <p>SW</p> <p>END OF BORING @ 15'</p>	<p>Dark brown topsoil, trace gravel</p> <p>Tan sand, fill</p>

This information pertains only to this boring and should not be interpreted as being indicative of the site.

PROJECT: Elgin Mental Health Center
CLIENT: Orion Engineers

BORING NUM. B-8
PROJECT NO. 53:3032



LOCATION: 750 South State Street, Elgin, IL

ELEVATION:

DRILLER: ESP Drilling

DATE DRILLED: 4/20/2021

LOGGED BY: Kara B.

DRILL RIG:

DEPTH TO WATER:

Geoprobe

Elevation/ Depth (Ft)	PID Reading	Sample Number	Sample Recovery (in/in)	Graphic Log	Soil Classification	SOIL DESCRIPTION
0	0.0				Topsoil	Dark brown topsoil, trace gravel
0.0					SW	Tan sand, fill
5						
10	0.0					
15	0.0					
20						END OF BORING @ 15'
25						
30						
35						

This information pertains only to this boring and should not be interpreted as being indicative of the site.

PROJECT: Elgin Mental Health Center
CLIENT: Orion Engineers

BORING NUM. B-9
PROJECT NO. 53:3032



LOCATION: 750 South State Street, Elgin, IL	ELEVATION:	
DRILLER: ESP Drilling	DATE DRILLED: 4/20/2021	LOGGED BY: Kara B.
DRILL RIG:	DEPTH TO WATER:	

Geoprobe

Elevation/ Depth (Ft)	PID Reading	Sample Number	Sample Recovery (in/in)	Graphic Log	Soil Classification	SOIL DESCRIPTION
<div style="display: flex; align-items: center;"> <div style="flex: 1; border-left: 1px solid black; border-right: 1px solid black; padding: 0 5px;"> <p style="text-align: center;">0</p> <p style="text-align: center;">5</p> <p style="text-align: center;">10</p> <p style="text-align: center;">15</p> <p style="text-align: center;">20</p> <p style="text-align: center;">25</p> <p style="text-align: center;">30</p> <p style="text-align: center;">35</p> </div> <div style="flex: 1; border-left: 1px solid black; border-right: 1px solid black; padding: 0 5px;"> <p style="text-align: center;">0.0</p> <p style="text-align: center;">0.0</p> <p style="text-align: center;">0.0</p> <p style="text-align: center;">0.0</p> </div> </div>					<p>Topsoil</p> <p>SW</p>	<p>Dark brown topsoil, trace gravel</p> <p>Tan sand, fill</p> <p>END OF BORING @ 15'</p>

This information pertains only to this boring and should not be interpreted as being indicative of the site.

PROJECT: Elgin Mental Health Center
CLIENT: Orion Engineers

BORING NUM. B-10
PROJECT NO. 53:3032



LOCATION: 750 South State Street, Elgin, IL

ELEVATION:

DRILLER: ESP Drilling

DATE DRILLED: 4/20/2021

LOGGED BY: Kara B.

DRILL RIG: Geoprobe

DEPTH TO WATER:

This information pertains only to this boring and should not be interpreted as being indicative of the site.

Elevation/ Depth (Ft)	PID Reading	Sample Number	Sample Recovery (in/in)	Graphic Log	Soil Classification	SOIL DESCRIPTION
0	0.0				Topsoil	Dark brown topsoil, trace gravel
0.0					SW	Tan sand, fill
5						
10	0.0					
15	0.0					
20						
25						
30						
35						
						END OF BORING @ 15'

Elgin Mental Health Center SSI
ECS Project No. 53-3032
May 2021

APPENDIX II
Analytical Laboratory Reports

ANALYTICAL REPORT

Eurofins TestAmerica, Knoxville
5815 Middlebrook Pike
Knoxville, TN 37921
Tel: (865)291-3000


Laboratory Job ID: 140-22794-1

Client Project/Site: ELGIN MENTAL HEALTHCARE
CENTER(53-3032)

For:

ECS Midwest LLC
1575 Barclay Blvd.
Buffalo Grove, Illinois 60089

Attn: Kara Beth Sterling Bach



Authorized for release by:
4/27/2021 4:12:21 PM

Jim Knapp, Project Manager II
(630)758-0262
Jim.Knapp@Eurofinset.com

LINKS

Review your project
results through
TotalAccess

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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.



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Definitions/Glossary

Client: ECS Midwest LLC
Project/Site: ELGIN MENTAL HEALTHCARE CENTER(53-303)

Job ID: 140-22794-1

Qualifiers

Air - GC/MS VOA

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

Glossary

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

Case Narrative

Client: ECS Midwest LLC
Project/Site: ELGIN MENTAL HEALTHCARE CENTER(53-3032)

Job ID: 140-22794-1

Job ID: 140-22794-1

Laboratory: Eurofins TestAmerica, Knoxville

Narrative

Job Narrative 140-22794-1

Comments

No additional comments.

Receipt

The samples were received on 4/22/2021 10:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice.

Receipt Exceptions

The Field Sampler was not listed on the Chain of Custody.

Air - GC/MS VOA

Methods D1946, TO 15 LL, TO-14A, TO-15: EPA methods TO-14A and TO-15 specify the use of humidified "zero air" as the blank reagent for canister cleaning, instrument calibration and sample analysis. Ultra-high purity humidified nitrogen from a cryogenic reservoir is used in place of "zero air" by TestAmerica Knoxville.

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



Detection Summary

Client: ECS Midwest LLC
 Project/Site: ELGIN MENTAL HEALTHCARE CENTER(53-303)

Job ID: 140-22794-1

Client Sample ID: SG-1

Lab Sample ID: 140-22794-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.017	J	0.048	0.014	mg/m3	1		TO 15 LL	Total/NA
Benzene	0.00049	J B	0.0026	0.00026	mg/m3	1		TO 15 LL	Total/NA
Carbon tetrachloride	0.00046	J	0.0050	0.00044	mg/m3	1		TO 15 LL	Total/NA
Chlorobenzene	0.00034	J B	0.0037	0.00028	mg/m3	1		TO 15 LL	Total/NA
Dichlorodifluoromethane	0.0027	J	0.0040	0.00069	mg/m3	1		TO 15 LL	Total/NA
Ethylbenzene	0.0043		0.0035	0.00056	mg/m3	1		TO 15 LL	Total/NA
m-Xylene & p-Xylene	0.017		0.0035	0.0013	mg/m3	1		TO 15 LL	Total/NA
o-Xylene	0.0052		0.0035	0.00065	mg/m3	1		TO 15 LL	Total/NA
Trichlorofluoromethane	0.0014	J	0.0045	0.00062	mg/m3	1		TO 15 LL	Total/NA
Xylenes, Total	0.022		0.0069	0.0010	mg/m3	1		TO 15 LL	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.0073	J	0.020	0.0057	ppm v/v	1		TO 15 LL	Total/NA
Benzene	0.00015	J B	0.00080	0.000080	ppm v/v	1		TO 15 LL	Total/NA
Carbon tetrachloride	0.000074	J	0.00080	0.000070	ppm v/v	1		TO 15 LL	Total/NA
Chlorobenzene	0.000073	J B	0.00080	0.000060	ppm v/v	1		TO 15 LL	Total/NA
Dichlorodifluoromethane	0.00055	J	0.00080	0.00014	ppm v/v	1		TO 15 LL	Total/NA
Ethylbenzene	0.00098		0.00080	0.00013	ppm v/v	1		TO 15 LL	Total/NA
m-Xylene & p-Xylene	0.0039		0.00080	0.00029	ppm v/v	1		TO 15 LL	Total/NA
o-Xylene	0.0012		0.00080	0.00015	ppm v/v	1		TO 15 LL	Total/NA
Trichlorofluoromethane	0.00025	J	0.00080	0.00011	ppm v/v	1		TO 15 LL	Total/NA
Xylenes, Total	0.0051		0.0016	0.00024	ppm v/v	1		TO 15 LL	Total/NA

Client Sample ID: SG-2

Lab Sample ID: 140-22794-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	0.030		0.012	0.0022	mg/m3	1		TO 15 LL	Total/NA
Acetone	0.42		0.048	0.014	mg/m3	1		TO 15 LL	Total/NA
Benzene	0.032	B	0.0026	0.00026	mg/m3	1		TO 15 LL	Total/NA
Carbon disulfide	0.0049	J	0.0062	0.00034	mg/m3	1		TO 15 LL	Total/NA
Carbon tetrachloride	0.00051	J	0.0050	0.00044	mg/m3	1		TO 15 LL	Total/NA
Chlorobenzene	0.00037	J B	0.0037	0.00028	mg/m3	1		TO 15 LL	Total/NA
Chloroform	0.00036	J	0.0039	0.00034	mg/m3	1		TO 15 LL	Total/NA
Dichlorodifluoromethane	0.0026	J	0.0040	0.00069	mg/m3	1		TO 15 LL	Total/NA
Ethylbenzene	0.0021	J	0.0035	0.00056	mg/m3	1		TO 15 LL	Total/NA
m-Xylene & p-Xylene	0.0025	J	0.0035	0.0013	mg/m3	1		TO 15 LL	Total/NA
Tetrachloroethene	0.0022	J	0.0054	0.00047	mg/m3	1		TO 15 LL	Total/NA
Toluene	0.10		0.0045	0.0029	mg/m3	1		TO 15 LL	Total/NA
Trichloroethene	0.0060		0.0021	0.00070	mg/m3	1		TO 15 LL	Total/NA
Trichlorofluoromethane	0.0015	J	0.0045	0.00062	mg/m3	1		TO 15 LL	Total/NA
Xylenes, Total	0.0025	J	0.0069	0.0010	mg/m3	1		TO 15 LL	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	0.010		0.0040	0.00073	ppm v/v	1		TO 15 LL	Total/NA
Acetone	0.18		0.020	0.0057	ppm v/v	1		TO 15 LL	Total/NA
Benzene	0.010	B	0.00080	0.000080	ppm v/v	1		TO 15 LL	Total/NA
Carbon disulfide	0.0016	J	0.0020	0.00011	ppm v/v	1		TO 15 LL	Total/NA
Carbon tetrachloride	0.000082	J	0.00080	0.000070	ppm v/v	1		TO 15 LL	Total/NA
Chlorobenzene	0.000080	J B	0.00080	0.000060	ppm v/v	1		TO 15 LL	Total/NA
Chloroform	0.000073	J	0.00080	0.000070	ppm v/v	1		TO 15 LL	Total/NA
Dichlorodifluoromethane	0.00052	J	0.00080	0.00014	ppm v/v	1		TO 15 LL	Total/NA
Ethylbenzene	0.00047	J	0.00080	0.00013	ppm v/v	1		TO 15 LL	Total/NA
m-Xylene & p-Xylene	0.00058	J	0.00080	0.00029	ppm v/v	1		TO 15 LL	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Knoxville

Detection Summary

Client: ECS Midwest LLC
 Project/Site: ELGIN MENTAL HEALTHCARE CENTER(53-303)

Job ID: 140-22794-1

Client Sample ID: SG-2 (Continued)

Lab Sample ID: 140-22794-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.00032	J	0.00080	0.000070	ppm v/v	1		TO 15 LL	Total/NA
Toluene	0.027		0.0012	0.00078	ppm v/v	1		TO 15 LL	Total/NA
Trichloroethene	0.0011		0.00040	0.00013	ppm v/v	1		TO 15 LL	Total/NA
Trichlorofluoromethane	0.00027	J	0.00080	0.00011	ppm v/v	1		TO 15 LL	Total/NA
Xylenes, Total	0.00058	J	0.0016	0.00024	ppm v/v	1		TO 15 LL	Total/NA

Client Sample ID: SG-3

Lab Sample ID: 140-22794-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1-Butanol	0.0083	J	0.024	0.0052	mg/m3	1		TO 15 LL	Total/NA
2-Butanone (MEK)	0.022		0.012	0.0022	mg/m3	1		TO 15 LL	Total/NA
Acetone	0.42		0.048	0.014	mg/m3	1		TO 15 LL	Total/NA
Benzene	0.017	B	0.0026	0.00026	mg/m3	1		TO 15 LL	Total/NA
Carbon disulfide	0.042		0.0062	0.00034	mg/m3	1		TO 15 LL	Total/NA
Carbon tetrachloride	0.00057	J	0.0050	0.00044	mg/m3	1		TO 15 LL	Total/NA
Chlorobenzene	0.00046	J B	0.0037	0.00028	mg/m3	1		TO 15 LL	Total/NA
Dichlorodifluoromethane	0.0028	J	0.0040	0.00069	mg/m3	1		TO 15 LL	Total/NA
Ethylbenzene	0.0047		0.0035	0.00056	mg/m3	1		TO 15 LL	Total/NA
m-Xylene & p-Xylene	0.010		0.0035	0.0013	mg/m3	1		TO 15 LL	Total/NA
o-Xylene	0.0024	J	0.0035	0.00065	mg/m3	1		TO 15 LL	Total/NA
Tetrachloroethene	0.0031	J	0.0054	0.00047	mg/m3	1		TO 15 LL	Total/NA
Toluene	0.12		0.0045	0.0029	mg/m3	1		TO 15 LL	Total/NA
Trichloroethene	0.0067		0.0021	0.00070	mg/m3	1		TO 15 LL	Total/NA
Trichlorofluoromethane	0.0015	J	0.0045	0.00062	mg/m3	1		TO 15 LL	Total/NA
Vinyl chloride	0.00087	J	0.0010	0.00066	mg/m3	1		TO 15 LL	Total/NA
Xylenes, Total	0.012		0.0069	0.0010	mg/m3	1		TO 15 LL	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1-Butanol	0.0027	J	0.0080	0.0017	ppm v/v	1		TO 15 LL	Total/NA
2-Butanone (MEK)	0.0074		0.0040	0.00073	ppm v/v	1		TO 15 LL	Total/NA
Acetone	0.18		0.020	0.0057	ppm v/v	1		TO 15 LL	Total/NA
Benzene	0.0054	B	0.00080	0.000080	ppm v/v	1		TO 15 LL	Total/NA
Carbon disulfide	0.013		0.0020	0.00011	ppm v/v	1		TO 15 LL	Total/NA
Carbon tetrachloride	0.000091	J	0.00080	0.000070	ppm v/v	1		TO 15 LL	Total/NA
Chlorobenzene	0.00010	J B	0.00080	0.000060	ppm v/v	1		TO 15 LL	Total/NA
Dichlorodifluoromethane	0.00056	J	0.00080	0.00014	ppm v/v	1		TO 15 LL	Total/NA
Ethylbenzene	0.0011		0.00080	0.00013	ppm v/v	1		TO 15 LL	Total/NA
m-Xylene & p-Xylene	0.0023		0.00080	0.00029	ppm v/v	1		TO 15 LL	Total/NA
o-Xylene	0.00055	J	0.00080	0.00015	ppm v/v	1		TO 15 LL	Total/NA
Tetrachloroethene	0.00045	J	0.00080	0.000070	ppm v/v	1		TO 15 LL	Total/NA
Toluene	0.031		0.0012	0.00078	ppm v/v	1		TO 15 LL	Total/NA
Trichloroethene	0.0013		0.00040	0.00013	ppm v/v	1		TO 15 LL	Total/NA
Trichlorofluoromethane	0.00027	J	0.00080	0.00011	ppm v/v	1		TO 15 LL	Total/NA
Vinyl chloride	0.00034	J	0.00040	0.00026	ppm v/v	1		TO 15 LL	Total/NA
Xylenes, Total	0.0029		0.0016	0.00024	ppm v/v	1		TO 15 LL	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Knoxville

Client Sample Results

Client: ECS Midwest LLC
 Project/Site: ELGIN MENTAL HEALTHCARE CENTER(53-303)

Job ID: 140-22794-1

Client Sample ID: SG-1

Lab Sample ID: 140-22794-1

Date Collected: 04/20/21 10:43

Matrix: Air

Date Received: 04/22/21 10:30

Sample Container: Summa Canister 1L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.0044	0.0020	mg/m3			04/24/21 13:12	1
1,1,2-Trichloroethane	ND		0.0044	0.00038	mg/m3			04/24/21 13:12	1
1,1-Dichloroethane	ND		0.0032	0.00028	mg/m3			04/24/21 13:12	1
1,1-Dichloroethene	ND		0.0032	0.00032	mg/m3			04/24/21 13:12	1
1,2,4-Trichlorobenzene	ND		0.030	0.0047	mg/m3			04/24/21 13:12	1
1,2-Dibromoethane (EDB)	ND		0.0061	0.00054	mg/m3			04/24/21 13:12	1
1,2-Dichlorobenzene	ND		0.0048	0.0019	mg/m3			04/24/21 13:12	1
1,2-Dichloroethane	ND		0.0032	0.00040	mg/m3			04/24/21 13:12	1
1,2-Dichloropropane	ND		0.0037	0.00046	mg/m3			04/24/21 13:12	1
1,4-Dichlorobenzene	ND		0.0048	0.00096	mg/m3			04/24/21 13:12	1
1,4-Dioxane	ND		0.0072	0.0011	mg/m3			04/24/21 13:12	1
1-Butanol	ND		0.024	0.0052	mg/m3			04/24/21 13:12	1
2-Butanone (MEK)	ND		0.012	0.0022	mg/m3			04/24/21 13:12	1
Acetone	0.017	J	0.048	0.014	mg/m3			04/24/21 13:12	1
Benzene	0.00049	J B	0.0026	0.00026	mg/m3			04/24/21 13:12	1
Bromodichloromethane	ND		0.0054	0.0012	mg/m3			04/24/21 13:12	1
Bromoform	ND		0.0083	0.00093	mg/m3			04/24/21 13:12	1
Bromomethane	ND		0.0031	0.00085	mg/m3			04/24/21 13:12	1
Carbon disulfide	ND		0.0062	0.00034	mg/m3			04/24/21 13:12	1
Carbon tetrachloride	0.00046	J	0.0050	0.00044	mg/m3			04/24/21 13:12	1
Chlorobenzene	0.00034	J B	0.0037	0.00028	mg/m3			04/24/21 13:12	1
Chloroform	ND		0.0039	0.00034	mg/m3			04/24/21 13:12	1
cis-1,2-Dichloroethene	ND		0.0032	0.00040	mg/m3			04/24/21 13:12	1
cis-1,3-Dichloropropene	ND		0.0036	0.00073	mg/m3			04/24/21 13:12	1
Dibromochloromethane	ND		0.0068	0.00060	mg/m3			04/24/21 13:12	1
Dichlorodifluoromethane	0.0027	J	0.0040	0.00069	mg/m3			04/24/21 13:12	1
Ethylbenzene	0.0043		0.0035	0.00056	mg/m3			04/24/21 13:12	1
Isopropylbenzene	ND		0.0079	0.00084	mg/m3			04/24/21 13:12	1
Methyl tert-butyl ether	ND		0.014	0.0019	mg/m3			04/24/21 13:12	1
Methylene Chloride	ND		0.014	0.014	mg/m3			04/24/21 13:12	1
m-Xylene & p-Xylene	0.017		0.0035	0.0013	mg/m3			04/24/21 13:12	1
Naphthalene	ND		0.010	0.0040	mg/m3			04/24/21 13:12	1
o-Xylene	0.0052		0.0035	0.00065	mg/m3			04/24/21 13:12	1
Styrene	ND		0.0034	0.0010	mg/m3			04/24/21 13:12	1
Tetrachloroethene	ND		0.0054	0.00047	mg/m3			04/24/21 13:12	1
Toluene	ND		0.0045	0.0029	mg/m3			04/24/21 13:12	1
trans-1,2-Dichloroethene	ND		0.0032	0.00028	mg/m3			04/24/21 13:12	1
trans-1,3-Dichloropropene	ND		0.0036	0.00041	mg/m3			04/24/21 13:12	1
Trichloroethene	ND		0.0021	0.00070	mg/m3			04/24/21 13:12	1
Trichlorofluoromethane	0.0014	J	0.0045	0.00062	mg/m3			04/24/21 13:12	1
Vinyl acetate	ND		0.014	0.00099	mg/m3			04/24/21 13:12	1
Vinyl chloride	ND		0.0010	0.00066	mg/m3			04/24/21 13:12	1
Xylenes, Total	0.022		0.0069	0.0010	mg/m3			04/24/21 13:12	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.00080	0.00037	ppm v/v			04/24/21 13:12	1
1,1,2-Trichloroethane	ND		0.00080	0.000070	ppm v/v			04/24/21 13:12	1
1,1-Dichloroethane	ND		0.00080	0.000070	ppm v/v			04/24/21 13:12	1
1,1-Dichloroethene	ND		0.00080	0.000080	ppm v/v			04/24/21 13:12	1

Client Sample Results

Client: ECS Midwest LLC
 Project/Site: ELGIN MENTAL HEALTHCARE CENTER(53-303)

Job ID: 140-22794-1

Client Sample ID: SG-1

Lab Sample ID: 140-22794-1

Date Collected: 04/20/21 10:43

Matrix: Air

Date Received: 04/22/21 10:30

Sample Container: Summa Canister 1L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.0040	0.00064	ppm v/v			04/24/21 13:12	1
1,2-Dibromoethane (EDB)	ND		0.00080	0.000070	ppm v/v			04/24/21 13:12	1
1,2-Dichlorobenzene	ND		0.00080	0.00031	ppm v/v			04/24/21 13:12	1
1,2-Dichloroethane	ND		0.00080	0.00010	ppm v/v			04/24/21 13:12	1
1,2-Dichloropropane	ND		0.00080	0.00010	ppm v/v			04/24/21 13:12	1
1,4-Dichlorobenzene	ND		0.00080	0.00016	ppm v/v			04/24/21 13:12	1
1,4-Dioxane	ND		0.0020	0.00030	ppm v/v			04/24/21 13:12	1
1-Butanol	ND		0.0080	0.0017	ppm v/v			04/24/21 13:12	1
2-Butanone (MEK)	ND		0.0040	0.00073	ppm v/v			04/24/21 13:12	1
Acetone	0.0073	J	0.020	0.0057	ppm v/v			04/24/21 13:12	1
Benzene	0.00015	J B	0.00080	0.000080	ppm v/v			04/24/21 13:12	1
Bromodichloromethane	ND		0.00080	0.00018	ppm v/v			04/24/21 13:12	1
Bromoform	ND		0.00080	0.000090	ppm v/v			04/24/21 13:12	1
Bromomethane	ND		0.00080	0.00022	ppm v/v			04/24/21 13:12	1
Carbon disulfide	ND		0.0020	0.00011	ppm v/v			04/24/21 13:12	1
Carbon tetrachloride	0.000074	J	0.00080	0.000070	ppm v/v			04/24/21 13:12	1
Chlorobenzene	0.000073	J B	0.00080	0.000060	ppm v/v			04/24/21 13:12	1
Chloroform	ND		0.00080	0.000070	ppm v/v			04/24/21 13:12	1
cis-1,2-Dichloroethene	ND		0.00080	0.00010	ppm v/v			04/24/21 13:12	1
cis-1,3-Dichloropropene	ND		0.00080	0.00016	ppm v/v			04/24/21 13:12	1
Dibromochloromethane	ND		0.00080	0.000070	ppm v/v			04/24/21 13:12	1
Dichlorodifluoromethane	0.00055	J	0.00080	0.00014	ppm v/v			04/24/21 13:12	1
Ethylbenzene	0.00098		0.00080	0.00013	ppm v/v			04/24/21 13:12	1
Isopropylbenzene	ND		0.0016	0.00017	ppm v/v			04/24/21 13:12	1
Methyl tert-butyl ether	ND		0.0040	0.00052	ppm v/v			04/24/21 13:12	1
Methylene Chloride	ND		0.0040	0.0039	ppm v/v			04/24/21 13:12	1
m-Xylene & p-Xylene	0.0039		0.00080	0.00029	ppm v/v			04/24/21 13:12	1
Naphthalene	ND		0.0020	0.00076	ppm v/v			04/24/21 13:12	1
o-Xylene	0.0012		0.00080	0.00015	ppm v/v			04/24/21 13:12	1
Styrene	ND		0.00080	0.00024	ppm v/v			04/24/21 13:12	1
Tetrachloroethene	ND		0.00080	0.000070	ppm v/v			04/24/21 13:12	1
Toluene	ND		0.0012	0.00078	ppm v/v			04/24/21 13:12	1
trans-1,2-Dichloroethene	ND		0.00080	0.000070	ppm v/v			04/24/21 13:12	1
trans-1,3-Dichloropropene	ND		0.00080	0.000090	ppm v/v			04/24/21 13:12	1
Trichloroethene	ND		0.00040	0.00013	ppm v/v			04/24/21 13:12	1
Trichlorofluoromethane	0.00025	J	0.00080	0.00011	ppm v/v			04/24/21 13:12	1
Vinyl acetate	ND		0.0040	0.00028	ppm v/v			04/24/21 13:12	1
Vinyl chloride	ND		0.00040	0.00026	ppm v/v			04/24/21 13:12	1
Xylenes, Total	0.0051		0.0016	0.00024	ppm v/v			04/24/21 13:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		60 - 140					04/24/21 13:12	1

Client Sample Results

Client: ECS Midwest LLC
 Project/Site: ELGIN MENTAL HEALTHCARE CENTER(53-303)

Job ID: 140-22794-1

Client Sample ID: SG-2

Lab Sample ID: 140-22794-2

Date Collected: 04/20/21 11:43

Matrix: Air

Date Received: 04/22/21 10:30

Sample Container: Summa Canister 1L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.0044	0.0020	mg/m3			04/24/21 13:54	1
1,1,2-Trichloroethane	ND		0.0044	0.00038	mg/m3			04/24/21 13:54	1
1,1-Dichloroethane	ND		0.0032	0.00028	mg/m3			04/24/21 13:54	1
1,1-Dichloroethene	ND		0.0032	0.00032	mg/m3			04/24/21 13:54	1
1,2,4-Trichlorobenzene	ND		0.030	0.0047	mg/m3			04/24/21 13:54	1
1,2-Dibromoethane (EDB)	ND		0.0061	0.00054	mg/m3			04/24/21 13:54	1
1,2-Dichlorobenzene	ND		0.0048	0.0019	mg/m3			04/24/21 13:54	1
1,2-Dichloroethane	ND		0.0032	0.00040	mg/m3			04/24/21 13:54	1
1,2-Dichloropropane	ND		0.0037	0.00046	mg/m3			04/24/21 13:54	1
1,4-Dichlorobenzene	ND		0.0048	0.00096	mg/m3			04/24/21 13:54	1
1,4-Dioxane	ND		0.0072	0.0011	mg/m3			04/24/21 13:54	1
1-Butanol	ND		0.024	0.0052	mg/m3			04/24/21 13:54	1
2-Butanone (MEK)	0.030		0.012	0.0022	mg/m3			04/24/21 13:54	1
Acetone	0.42		0.048	0.014	mg/m3			04/24/21 13:54	1
Benzene	0.032	B	0.0026	0.00026	mg/m3			04/24/21 13:54	1
Bromodichloromethane	ND		0.0054	0.0012	mg/m3			04/24/21 13:54	1
Bromoform	ND		0.0083	0.00093	mg/m3			04/24/21 13:54	1
Bromomethane	ND		0.0031	0.00085	mg/m3			04/24/21 13:54	1
Carbon disulfide	0.0049	J	0.0062	0.00034	mg/m3			04/24/21 13:54	1
Carbon tetrachloride	0.00051	J	0.0050	0.00044	mg/m3			04/24/21 13:54	1
Chlorobenzene	0.00037	J B	0.0037	0.00028	mg/m3			04/24/21 13:54	1
Chloroform	0.00036	J	0.0039	0.00034	mg/m3			04/24/21 13:54	1
cis-1,2-Dichloroethene	ND		0.0032	0.00040	mg/m3			04/24/21 13:54	1
cis-1,3-Dichloropropene	ND		0.0036	0.00073	mg/m3			04/24/21 13:54	1
Dibromochloromethane	ND		0.0068	0.00060	mg/m3			04/24/21 13:54	1
Dichlorodifluoromethane	0.0026	J	0.0040	0.00069	mg/m3			04/24/21 13:54	1
Ethylbenzene	0.0021	J	0.0035	0.00056	mg/m3			04/24/21 13:54	1
Isopropylbenzene	ND		0.0079	0.00084	mg/m3			04/24/21 13:54	1
Methyl tert-butyl ether	ND		0.014	0.0019	mg/m3			04/24/21 13:54	1
Methylene Chloride	ND		0.014	0.014	mg/m3			04/24/21 13:54	1
m-Xylene & p-Xylene	0.0025	J	0.0035	0.0013	mg/m3			04/24/21 13:54	1
Naphthalene	ND		0.010	0.0040	mg/m3			04/24/21 13:54	1
o-Xylene	ND		0.0035	0.00065	mg/m3			04/24/21 13:54	1
Styrene	ND		0.0034	0.0010	mg/m3			04/24/21 13:54	1
Tetrachloroethene	0.0022	J	0.0054	0.00047	mg/m3			04/24/21 13:54	1
Toluene	0.10		0.0045	0.0029	mg/m3			04/24/21 13:54	1
trans-1,2-Dichloroethene	ND		0.0032	0.00028	mg/m3			04/24/21 13:54	1
trans-1,3-Dichloropropene	ND		0.0036	0.00041	mg/m3			04/24/21 13:54	1
Trichloroethene	0.0060		0.0021	0.00070	mg/m3			04/24/21 13:54	1
Trichlorofluoromethane	0.0015	J	0.0045	0.00062	mg/m3			04/24/21 13:54	1
Vinyl acetate	ND		0.014	0.00099	mg/m3			04/24/21 13:54	1
Vinyl chloride	ND		0.0010	0.00066	mg/m3			04/24/21 13:54	1
Xylenes, Total	0.0025	J	0.0069	0.0010	mg/m3			04/24/21 13:54	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.00080	0.00037	ppm v/v			04/24/21 13:54	1
1,1,2-Trichloroethane	ND		0.00080	0.000070	ppm v/v			04/24/21 13:54	1
1,1-Dichloroethane	ND		0.00080	0.000070	ppm v/v			04/24/21 13:54	1
1,1-Dichloroethene	ND		0.00080	0.000080	ppm v/v			04/24/21 13:54	1

Client Sample Results

Client: ECS Midwest LLC
 Project/Site: ELGIN MENTAL HEALTHCARE CENTER(53-303)

Job ID: 140-22794-1

Client Sample ID: SG-2

Lab Sample ID: 140-22794-2

Date Collected: 04/20/21 11:43

Matrix: Air

Date Received: 04/22/21 10:30

Sample Container: Summa Canister 1L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.0040	0.00064	ppm v/v			04/24/21 13:54	1
1,2-Dibromoethane (EDB)	ND		0.00080	0.000070	ppm v/v			04/24/21 13:54	1
1,2-Dichlorobenzene	ND		0.00080	0.00031	ppm v/v			04/24/21 13:54	1
1,2-Dichloroethane	ND		0.00080	0.00010	ppm v/v			04/24/21 13:54	1
1,2-Dichloropropane	ND		0.00080	0.00010	ppm v/v			04/24/21 13:54	1
1,4-Dichlorobenzene	ND		0.00080	0.00016	ppm v/v			04/24/21 13:54	1
1,4-Dioxane	ND		0.0020	0.00030	ppm v/v			04/24/21 13:54	1
1-Butanol	ND		0.0080	0.0017	ppm v/v			04/24/21 13:54	1
2-Butanone (MEK)	0.010		0.0040	0.00073	ppm v/v			04/24/21 13:54	1
Acetone	0.18		0.020	0.0057	ppm v/v			04/24/21 13:54	1
Benzene	0.010	B	0.00080	0.000080	ppm v/v			04/24/21 13:54	1
Bromodichloromethane	ND		0.00080	0.00018	ppm v/v			04/24/21 13:54	1
Bromoform	ND		0.00080	0.000090	ppm v/v			04/24/21 13:54	1
Bromomethane	ND		0.00080	0.00022	ppm v/v			04/24/21 13:54	1
Carbon disulfide	0.0016	J	0.0020	0.00011	ppm v/v			04/24/21 13:54	1
Carbon tetrachloride	0.000082	J	0.00080	0.000070	ppm v/v			04/24/21 13:54	1
Chlorobenzene	0.000080	J B	0.00080	0.000060	ppm v/v			04/24/21 13:54	1
Chloroform	0.000073	J	0.00080	0.000070	ppm v/v			04/24/21 13:54	1
cis-1,2-Dichloroethene	ND		0.00080	0.00010	ppm v/v			04/24/21 13:54	1
cis-1,3-Dichloropropene	ND		0.00080	0.00016	ppm v/v			04/24/21 13:54	1
Dibromochloromethane	ND		0.00080	0.000070	ppm v/v			04/24/21 13:54	1
Dichlorodifluoromethane	0.00052	J	0.00080	0.00014	ppm v/v			04/24/21 13:54	1
Ethylbenzene	0.00047	J	0.00080	0.00013	ppm v/v			04/24/21 13:54	1
Isopropylbenzene	ND		0.0016	0.00017	ppm v/v			04/24/21 13:54	1
Methyl tert-butyl ether	ND		0.0040	0.00052	ppm v/v			04/24/21 13:54	1
Methylene Chloride	ND		0.0040	0.0039	ppm v/v			04/24/21 13:54	1
m-Xylene & p-Xylene	0.00058	J	0.00080	0.00029	ppm v/v			04/24/21 13:54	1
Naphthalene	ND		0.0020	0.00076	ppm v/v			04/24/21 13:54	1
o-Xylene	ND		0.00080	0.00015	ppm v/v			04/24/21 13:54	1
Styrene	ND		0.00080	0.00024	ppm v/v			04/24/21 13:54	1
Tetrachloroethene	0.00032	J	0.00080	0.000070	ppm v/v			04/24/21 13:54	1
Toluene	0.027		0.0012	0.00078	ppm v/v			04/24/21 13:54	1
trans-1,2-Dichloroethene	ND		0.00080	0.000070	ppm v/v			04/24/21 13:54	1
trans-1,3-Dichloropropene	ND		0.00080	0.000090	ppm v/v			04/24/21 13:54	1
Trichloroethene	0.0011		0.00040	0.00013	ppm v/v			04/24/21 13:54	1
Trichlorofluoromethane	0.00027	J	0.00080	0.00011	ppm v/v			04/24/21 13:54	1
Vinyl acetate	ND		0.0040	0.00028	ppm v/v			04/24/21 13:54	1
Vinyl chloride	ND		0.00040	0.00026	ppm v/v			04/24/21 13:54	1
Xylenes, Total	0.00058	J	0.0016	0.00024	ppm v/v			04/24/21 13:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		60 - 140					04/24/21 13:54	1

Client Sample Results

Client: ECS Midwest LLC
 Project/Site: ELGIN MENTAL HEALTHCARE CENTER(53-303)

Job ID: 140-22794-1

Client Sample ID: SG-3

Lab Sample ID: 140-22794-3

Date Collected: 04/20/21 12:57

Matrix: Air

Date Received: 04/22/21 10:30

Sample Container: Summa Canister 1L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.0044	0.0020	mg/m3			04/24/21 14:36	1
1,1,2-Trichloroethane	ND		0.0044	0.00038	mg/m3			04/24/21 14:36	1
1,1-Dichloroethane	ND		0.0032	0.00028	mg/m3			04/24/21 14:36	1
1,1-Dichloroethene	ND		0.0032	0.00032	mg/m3			04/24/21 14:36	1
1,2,4-Trichlorobenzene	ND		0.030	0.0047	mg/m3			04/24/21 14:36	1
1,2-Dibromoethane (EDB)	ND		0.0061	0.00054	mg/m3			04/24/21 14:36	1
1,2-Dichlorobenzene	ND		0.0048	0.0019	mg/m3			04/24/21 14:36	1
1,2-Dichloroethane	ND		0.0032	0.00040	mg/m3			04/24/21 14:36	1
1,2-Dichloropropane	ND		0.0037	0.00046	mg/m3			04/24/21 14:36	1
1,4-Dichlorobenzene	ND		0.0048	0.00096	mg/m3			04/24/21 14:36	1
1,4-Dioxane	ND		0.0072	0.0011	mg/m3			04/24/21 14:36	1
1-Butanol	0.0083	J	0.024	0.0052	mg/m3			04/24/21 14:36	1
2-Butanone (MEK)	0.022		0.012	0.0022	mg/m3			04/24/21 14:36	1
Acetone	0.42		0.048	0.014	mg/m3			04/24/21 14:36	1
Benzene	0.017	B	0.0026	0.00026	mg/m3			04/24/21 14:36	1
Bromodichloromethane	ND		0.0054	0.0012	mg/m3			04/24/21 14:36	1
Bromoform	ND		0.0083	0.00093	mg/m3			04/24/21 14:36	1
Bromomethane	ND		0.0031	0.00085	mg/m3			04/24/21 14:36	1
Carbon disulfide	0.042		0.0062	0.00034	mg/m3			04/24/21 14:36	1
Carbon tetrachloride	0.00057	J	0.0050	0.00044	mg/m3			04/24/21 14:36	1
Chlorobenzene	0.00046	J B	0.0037	0.00028	mg/m3			04/24/21 14:36	1
Chloroform	ND		0.0039	0.00034	mg/m3			04/24/21 14:36	1
cis-1,2-Dichloroethene	ND		0.0032	0.00040	mg/m3			04/24/21 14:36	1
cis-1,3-Dichloropropene	ND		0.0036	0.00073	mg/m3			04/24/21 14:36	1
Dibromochloromethane	ND		0.0068	0.00060	mg/m3			04/24/21 14:36	1
Dichlorodifluoromethane	0.0028	J	0.0040	0.00069	mg/m3			04/24/21 14:36	1
Ethylbenzene	0.0047		0.0035	0.00056	mg/m3			04/24/21 14:36	1
Isopropylbenzene	ND		0.0079	0.00084	mg/m3			04/24/21 14:36	1
Methyl tert-butyl ether	ND		0.014	0.0019	mg/m3			04/24/21 14:36	1
Methylene Chloride	ND		0.014	0.014	mg/m3			04/24/21 14:36	1
m-Xylene & p-Xylene	0.010		0.0035	0.0013	mg/m3			04/24/21 14:36	1
Naphthalene	ND		0.010	0.0040	mg/m3			04/24/21 14:36	1
o-Xylene	0.0024	J	0.0035	0.00065	mg/m3			04/24/21 14:36	1
Styrene	ND		0.0034	0.0010	mg/m3			04/24/21 14:36	1
Tetrachloroethene	0.0031	J	0.0054	0.00047	mg/m3			04/24/21 14:36	1
Toluene	0.12		0.0045	0.0029	mg/m3			04/24/21 14:36	1
trans-1,2-Dichloroethene	ND		0.0032	0.00028	mg/m3			04/24/21 14:36	1
trans-1,3-Dichloropropene	ND		0.0036	0.00041	mg/m3			04/24/21 14:36	1
Trichloroethene	0.0067		0.0021	0.00070	mg/m3			04/24/21 14:36	1
Trichlorofluoromethane	0.0015	J	0.0045	0.00062	mg/m3			04/24/21 14:36	1
Vinyl acetate	ND		0.014	0.00099	mg/m3			04/24/21 14:36	1
Vinyl chloride	0.00087	J	0.0010	0.00066	mg/m3			04/24/21 14:36	1
Xylenes, Total	0.012		0.0069	0.0010	mg/m3			04/24/21 14:36	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.00080	0.00037	ppm v/v			04/24/21 14:36	1
1,1,2-Trichloroethane	ND		0.00080	0.000070	ppm v/v			04/24/21 14:36	1
1,1-Dichloroethane	ND		0.00080	0.000070	ppm v/v			04/24/21 14:36	1
1,1-Dichloroethene	ND		0.00080	0.000080	ppm v/v			04/24/21 14:36	1

Client Sample Results

Client: ECS Midwest LLC
 Project/Site: ELGIN MENTAL HEALTHCARE CENTER(53-303)

Job ID: 140-22794-1

Client Sample ID: SG-3

Lab Sample ID: 140-22794-3

Date Collected: 04/20/21 12:57

Matrix: Air

Date Received: 04/22/21 10:30

Sample Container: Summa Canister 1L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.0040	0.00064	ppm v/v			04/24/21 14:36	1
1,2-Dibromoethane (EDB)	ND		0.00080	0.000070	ppm v/v			04/24/21 14:36	1
1,2-Dichlorobenzene	ND		0.00080	0.00031	ppm v/v			04/24/21 14:36	1
1,2-Dichloroethane	ND		0.00080	0.00010	ppm v/v			04/24/21 14:36	1
1,2-Dichloropropane	ND		0.00080	0.00010	ppm v/v			04/24/21 14:36	1
1,4-Dichlorobenzene	ND		0.00080	0.00016	ppm v/v			04/24/21 14:36	1
1,4-Dioxane	ND		0.0020	0.00030	ppm v/v			04/24/21 14:36	1
1-Butanol	0.0027	J	0.0080	0.0017	ppm v/v			04/24/21 14:36	1
2-Butanone (MEK)	0.0074		0.0040	0.00073	ppm v/v			04/24/21 14:36	1
Acetone	0.18		0.020	0.0057	ppm v/v			04/24/21 14:36	1
Benzene	0.0054	B	0.00080	0.000080	ppm v/v			04/24/21 14:36	1
Bromodichloromethane	ND		0.00080	0.00018	ppm v/v			04/24/21 14:36	1
Bromoform	ND		0.00080	0.000090	ppm v/v			04/24/21 14:36	1
Bromomethane	ND		0.00080	0.00022	ppm v/v			04/24/21 14:36	1
Carbon disulfide	0.013		0.0020	0.00011	ppm v/v			04/24/21 14:36	1
Carbon tetrachloride	0.000091	J	0.00080	0.000070	ppm v/v			04/24/21 14:36	1
Chlorobenzene	0.00010	J B	0.00080	0.000060	ppm v/v			04/24/21 14:36	1
Chloroform	ND		0.00080	0.000070	ppm v/v			04/24/21 14:36	1
cis-1,2-Dichloroethene	ND		0.00080	0.00010	ppm v/v			04/24/21 14:36	1
cis-1,3-Dichloropropene	ND		0.00080	0.00016	ppm v/v			04/24/21 14:36	1
Dibromochloromethane	ND		0.00080	0.000070	ppm v/v			04/24/21 14:36	1
Dichlorodifluoromethane	0.00056	J	0.00080	0.00014	ppm v/v			04/24/21 14:36	1
Ethylbenzene	0.0011		0.00080	0.00013	ppm v/v			04/24/21 14:36	1
Isopropylbenzene	ND		0.0016	0.00017	ppm v/v			04/24/21 14:36	1
Methyl tert-butyl ether	ND		0.0040	0.00052	ppm v/v			04/24/21 14:36	1
Methylene Chloride	ND		0.0040	0.0039	ppm v/v			04/24/21 14:36	1
m-Xylene & p-Xylene	0.0023		0.00080	0.00029	ppm v/v			04/24/21 14:36	1
Naphthalene	ND		0.0020	0.00076	ppm v/v			04/24/21 14:36	1
o-Xylene	0.00055	J	0.00080	0.00015	ppm v/v			04/24/21 14:36	1
Styrene	ND		0.00080	0.00024	ppm v/v			04/24/21 14:36	1
Tetrachloroethene	0.00045	J	0.00080	0.000070	ppm v/v			04/24/21 14:36	1
Toluene	0.031		0.0012	0.00078	ppm v/v			04/24/21 14:36	1
trans-1,2-Dichloroethene	ND		0.00080	0.000070	ppm v/v			04/24/21 14:36	1
trans-1,3-Dichloropropene	ND		0.00080	0.000090	ppm v/v			04/24/21 14:36	1
Trichloroethene	0.0013		0.00040	0.00013	ppm v/v			04/24/21 14:36	1
Trichlorofluoromethane	0.00027	J	0.00080	0.00011	ppm v/v			04/24/21 14:36	1
Vinyl acetate	ND		0.0040	0.00028	ppm v/v			04/24/21 14:36	1
Vinyl chloride	0.00034	J	0.00040	0.00026	ppm v/v			04/24/21 14:36	1
Xylenes, Total	0.0029		0.0016	0.00024	ppm v/v			04/24/21 14:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		60 - 140					04/24/21 14:36	1

Default Detection Limits

Client: ECS Midwest LLC

Job ID: 140-22794-1

Project/Site: ELGIN MENTAL HEALTHCARE CENTER(53-303)

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	RL	MDL	Units
1,1,1-Trichloroethane	0.00044	0.00020	mg/m3
1,1,1-Trichloroethane	0.000080	0.000037	ppm v/v
1,1,2-Trichloroethane	0.00044	0.000038	mg/m3
1,1,2-Trichloroethane	0.000080	0.000070	ppm v/v
1,1-Dichloroethane	0.00032	0.000028	mg/m3
1,1-Dichloroethane	0.000080	0.000070	ppm v/v
1,1-Dichloroethene	0.00032	0.000032	mg/m3
1,1-Dichloroethene	0.000080	0.000080	ppm v/v
1,2,4-Trichlorobenzene	0.0030	0.00047	mg/m3
1,2,4-Trichlorobenzene	0.00040	0.000064	ppm v/v
1,2-Dibromoethane (EDB)	0.00061	0.000054	mg/m3
1,2-Dibromoethane (EDB)	0.000080	0.000070	ppm v/v
1,2-Dichlorobenzene	0.00048	0.00019	mg/m3
1,2-Dichlorobenzene	0.000080	0.000031	ppm v/v
1,2-Dichloroethane	0.00032	0.000040	mg/m3
1,2-Dichloroethane	0.000080	0.000010	ppm v/v
1,2-Dichloropropane	0.00037	0.000046	mg/m3
1,2-Dichloropropane	0.000080	0.000010	ppm v/v
1,4-Dichlorobenzene	0.00048	0.000096	mg/m3
1,4-Dichlorobenzene	0.000080	0.000016	ppm v/v
1,4-Dioxane	0.00072	0.00011	mg/m3
1,4-Dioxane	0.00020	0.000030	ppm v/v
1-Butanol	0.0024	0.00052	mg/m3
1-Butanol	0.00080	0.00017	ppm v/v
2-Butanone (MEK)	0.0012	0.00022	mg/m3
2-Butanone (MEK)	0.00040	0.000073	ppm v/v
Acetone	0.0048	0.0014	mg/m3
Acetone	0.0020	0.00057	ppm v/v
Benzene	0.00026	0.000026	mg/m3
Benzene	0.000080	0.000080	ppm v/v
Bromodichloromethane	0.00054	0.00012	mg/m3
Bromodichloromethane	0.000080	0.000018	ppm v/v
Bromoform	0.00083	0.000093	mg/m3
Bromoform	0.000080	0.000090	ppm v/v
Bromomethane	0.00031	0.000085	mg/m3
Bromomethane	0.000080	0.000022	ppm v/v
Carbon disulfide	0.00062	0.000034	mg/m3
Carbon disulfide	0.00020	0.000011	ppm v/v
Carbon tetrachloride	0.00050	0.000044	mg/m3
Carbon tetrachloride	0.000080	0.000070	ppm v/v
Chlorobenzene	0.00037	0.000028	mg/m3
Chlorobenzene	0.000080	0.000060	ppm v/v
Chloroform	0.00039	0.000034	mg/m3
Chloroform	0.000080	0.000070	ppm v/v
cis-1,2-Dichloroethene	0.00032	0.000040	mg/m3
cis-1,2-Dichloroethene	0.000080	0.000010	ppm v/v
cis-1,3-Dichloropropene	0.00036	0.000073	mg/m3
cis-1,3-Dichloropropene	0.000080	0.000016	ppm v/v
Dibromochloromethane	0.00068	0.000060	mg/m3
Dibromochloromethane	0.000080	0.000070	ppm v/v
Dichlorodifluoromethane	0.00040	0.000069	mg/m3
Dichlorodifluoromethane	0.000080	0.000014	ppm v/v
Ethylbenzene	0.00035	0.000056	mg/m3

Eurofins TestAmerica, Knoxville

Default Detection Limits

Client: ECS Midwest LLC
 Project/Site: ELGIN MENTAL HEALTHCARE CENTER(53-303)

Job ID: 140-22794-1

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Conti

Analyte	RL	MDL	Units
Ethylbenzene	0.000080	0.000013	ppm v/v
Isopropylbenzene	0.00079	0.000084	mg/m3
Isopropylbenzene	0.00016	0.000017	ppm v/v
Methyl tert-butyl ether	0.0014	0.00019	mg/m3
Methyl tert-butyl ether	0.00040	0.000052	ppm v/v
Methylene Chloride	0.0014	0.0014	mg/m3
Methylene Chloride	0.00040	0.00039	ppm v/v
m-Xylene & p-Xylene	0.00035	0.00013	mg/m3
m-Xylene & p-Xylene	0.000080	0.000029	ppm v/v
Naphthalene	0.0010	0.00040	mg/m3
Naphthalene	0.00020	0.000076	ppm v/v
o-Xylene	0.00035	0.000065	mg/m3
o-Xylene	0.000080	0.000015	ppm v/v
Styrene	0.00034	0.00010	mg/m3
Styrene	0.000080	0.000024	ppm v/v
Tetrachloroethene	0.00054	0.000047	mg/m3
Tetrachloroethene	0.000080	0.000070	ppm v/v
Toluene	0.00045	0.00029	mg/m3
Toluene	0.00012	0.000078	ppm v/v
trans-1,2-Dichloroethene	0.00032	0.000028	mg/m3
trans-1,2-Dichloroethene	0.000080	0.000070	ppm v/v
trans-1,3-Dichloropropene	0.00036	0.000041	mg/m3
trans-1,3-Dichloropropene	0.000080	0.000090	ppm v/v
Trichloroethene	0.00021	0.000070	mg/m3
Trichloroethene	0.000040	0.000013	ppm v/v
Trichlorofluoromethane	0.00045	0.000062	mg/m3
Trichlorofluoromethane	0.000080	0.000011	ppm v/v
Vinyl acetate	0.0014	0.000099	mg/m3
Vinyl acetate	0.00040	0.000028	ppm v/v
Vinyl chloride	0.00010	0.000066	mg/m3
Vinyl chloride	0.000040	0.000026	ppm v/v
Xylenes, Total	0.00069	0.00010	mg/m3
Xylenes, Total	0.00016	0.000024	ppm v/v

Surrogate Summary

Client: ECS Midwest LLC
Project/Site: ELGIN MENTAL HEALTHCARE CENTER(53-303)

Job ID: 140-22794-1

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Matrix: Air

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB (60-140)
140-22794-1	SG-1	92
140-22794-2	SG-2	90
140-22794-3	SG-3	92
LCS 140-49163/1002	Lab Control Sample	103
MB 140-49163/4	Method Blank	92

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

QC Sample Results

Client: ECS Midwest LLC
 Project/Site: ELGIN MENTAL HEALTHCARE CENTER(53-303)

Job ID: 140-22794-1

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Lab Sample ID: MB 140-49163/4
Matrix: Air
Analysis Batch: 49163

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1-Trichloroethane	ND		0.00044	0.00020	mg/m3			04/24/21 05:39	1
1,1,2-Trichloroethane	ND		0.00044	0.000038	mg/m3			04/24/21 05:39	1
1,1-Dichloroethane	ND		0.00032	0.000028	mg/m3			04/24/21 05:39	1
1,1-Dichloroethene	ND		0.00032	0.000032	mg/m3			04/24/21 05:39	1
1,2,4-Trichlorobenzene	ND		0.0030	0.00047	mg/m3			04/24/21 05:39	1
1,2-Dibromoethane (EDB)	ND		0.00061	0.000054	mg/m3			04/24/21 05:39	1
1,2-Dichlorobenzene	ND		0.00048	0.00019	mg/m3			04/24/21 05:39	1
1,2-Dichloroethane	ND		0.00032	0.000040	mg/m3			04/24/21 05:39	1
1,2-Dichloropropane	ND		0.00037	0.000046	mg/m3			04/24/21 05:39	1
1,4-Dichlorobenzene	ND		0.00048	0.000096	mg/m3			04/24/21 05:39	1
1,4-Dioxane	ND		0.00072	0.00011	mg/m3			04/24/21 05:39	1
1-Butanol	ND		0.0024	0.00052	mg/m3			04/24/21 05:39	1
2-Butanone (MEK)	ND		0.0012	0.00022	mg/m3			04/24/21 05:39	1
Acetone	ND		0.0048	0.0014	mg/m3			04/24/21 05:39	1
Benzene	0.0000328	J	0.00026	0.000026	mg/m3			04/24/21 05:39	1
Bromodichloromethane	ND		0.00054	0.00012	mg/m3			04/24/21 05:39	1
Bromoform	ND		0.00083	0.000093	mg/m3			04/24/21 05:39	1
Bromomethane	ND		0.00031	0.000085	mg/m3			04/24/21 05:39	1
Carbon disulfide	ND		0.00062	0.000034	mg/m3			04/24/21 05:39	1
Carbon tetrachloride	ND		0.00050	0.000044	mg/m3			04/24/21 05:39	1
Chlorobenzene	0.0000434	J	0.00037	0.000028	mg/m3			04/24/21 05:39	1
Chloroform	ND		0.00039	0.000034	mg/m3			04/24/21 05:39	1
cis-1,2-Dichloroethene	ND		0.00032	0.000040	mg/m3			04/24/21 05:39	1
cis-1,3-Dichloropropene	ND		0.00036	0.000073	mg/m3			04/24/21 05:39	1
Dibromochloromethane	ND		0.00068	0.000060	mg/m3			04/24/21 05:39	1
Dichlorodifluoromethane	ND		0.00040	0.000069	mg/m3			04/24/21 05:39	1
Ethylbenzene	ND		0.00035	0.000056	mg/m3			04/24/21 05:39	1
Isopropylbenzene	ND		0.00079	0.000084	mg/m3			04/24/21 05:39	1
Methyl tert-butyl ether	ND		0.0014	0.00019	mg/m3			04/24/21 05:39	1
Methylene Chloride	ND		0.0014	0.0014	mg/m3			04/24/21 05:39	1
m-Xylene & p-Xylene	ND		0.00035	0.00013	mg/m3			04/24/21 05:39	1
Naphthalene	ND		0.0010	0.00040	mg/m3			04/24/21 05:39	1
o-Xylene	ND		0.00035	0.000065	mg/m3			04/24/21 05:39	1
Styrene	ND		0.00034	0.00010	mg/m3			04/24/21 05:39	1
Tetrachloroethene	ND		0.00054	0.000047	mg/m3			04/24/21 05:39	1
Toluene	ND		0.00045	0.00029	mg/m3			04/24/21 05:39	1
trans-1,2-Dichloroethene	ND		0.00032	0.000028	mg/m3			04/24/21 05:39	1
trans-1,3-Dichloropropene	ND		0.00036	0.000041	mg/m3			04/24/21 05:39	1
Trichloroethene	ND		0.00021	0.000070	mg/m3			04/24/21 05:39	1
Trichlorofluoromethane	ND		0.00045	0.000062	mg/m3			04/24/21 05:39	1
Vinyl acetate	ND		0.0014	0.000099	mg/m3			04/24/21 05:39	1
Vinyl chloride	ND		0.00010	0.000066	mg/m3			04/24/21 05:39	1
Xylenes, Total	ND		0.00069	0.00010	mg/m3			04/24/21 05:39	1

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1-Trichloroethane	ND		0.000080	0.000037	ppm v/v			04/24/21 05:39	1
1,1,2-Trichloroethane	ND		0.000080	0.000070	ppm v/v			04/24/21 05:39	1
1,1-Dichloroethane	ND		0.000080	0.000070	ppm v/v			04/24/21 05:39	1

QC Sample Results

Client: ECS Midwest LLC
 Project/Site: ELGIN MENTAL HEALTHCARE CENTER(53-303)

Job ID: 140-22794-1

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Lab Sample ID: MB 140-49163/4
Matrix: Air
Analysis Batch: 49163

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1-Dichloroethene	ND		0.000080	0.000080	ppm v/v			04/24/21 05:39	1
1,2,4-Trichlorobenzene	ND		0.00040	0.000064	ppm v/v			04/24/21 05:39	1
1,2-Dibromoethane (EDB)	ND		0.000080	0.000070	ppm v/v			04/24/21 05:39	1
1,2-Dichlorobenzene	ND		0.000080	0.000031	ppm v/v			04/24/21 05:39	1
1,2-Dichloroethane	ND		0.000080	0.000010	ppm v/v			04/24/21 05:39	1
1,2-Dichloropropane	ND		0.000080	0.000010	ppm v/v			04/24/21 05:39	1
1,4-Dichlorobenzene	ND		0.000080	0.000016	ppm v/v			04/24/21 05:39	1
1,4-Dioxane	ND		0.00020	0.000030	ppm v/v			04/24/21 05:39	1
1-Butanol	ND		0.00080	0.00017	ppm v/v			04/24/21 05:39	1
2-Butanone (MEK)	ND		0.00040	0.000073	ppm v/v			04/24/21 05:39	1
Acetone	ND		0.0020	0.00057	ppm v/v			04/24/21 05:39	1
Benzene	0.0000103	J	0.000080	0.000080	ppm v/v			04/24/21 05:39	1
Bromodichloromethane	ND		0.000080	0.000018	ppm v/v			04/24/21 05:39	1
Bromoform	ND		0.000080	0.000090	ppm v/v			04/24/21 05:39	1
Bromomethane	ND		0.000080	0.000022	ppm v/v			04/24/21 05:39	1
Carbon disulfide	ND		0.00020	0.000011	ppm v/v			04/24/21 05:39	1
Carbon tetrachloride	ND		0.000080	0.000070	ppm v/v			04/24/21 05:39	1
Chlorobenzene	0.0000944	J	0.000080	0.000060	ppm v/v			04/24/21 05:39	1
Chloroform	ND		0.000080	0.000070	ppm v/v			04/24/21 05:39	1
cis-1,2-Dichloroethene	ND		0.000080	0.000010	ppm v/v			04/24/21 05:39	1
cis-1,3-Dichloropropene	ND		0.000080	0.000016	ppm v/v			04/24/21 05:39	1
Dibromochloromethane	ND		0.000080	0.000070	ppm v/v			04/24/21 05:39	1
Dichlorodifluoromethane	ND		0.000080	0.000014	ppm v/v			04/24/21 05:39	1
Ethylbenzene	ND		0.000080	0.000013	ppm v/v			04/24/21 05:39	1
Isopropylbenzene	ND		0.00016	0.000017	ppm v/v			04/24/21 05:39	1
Methyl tert-butyl ether	ND		0.00040	0.000052	ppm v/v			04/24/21 05:39	1
Methylene Chloride	ND		0.00040	0.00039	ppm v/v			04/24/21 05:39	1
m-Xylene & p-Xylene	ND		0.000080	0.000029	ppm v/v			04/24/21 05:39	1
Naphthalene	ND		0.00020	0.000076	ppm v/v			04/24/21 05:39	1
o-Xylene	ND		0.000080	0.000015	ppm v/v			04/24/21 05:39	1
Styrene	ND		0.000080	0.000024	ppm v/v			04/24/21 05:39	1
Tetrachloroethene	ND		0.000080	0.000070	ppm v/v			04/24/21 05:39	1
Toluene	ND		0.00012	0.000078	ppm v/v			04/24/21 05:39	1
trans-1,2-Dichloroethene	ND		0.000080	0.000070	ppm v/v			04/24/21 05:39	1
trans-1,3-Dichloropropene	ND		0.000080	0.000090	ppm v/v			04/24/21 05:39	1
Trichloroethene	ND		0.000040	0.000013	ppm v/v			04/24/21 05:39	1
Trichlorofluoromethane	ND		0.000080	0.000011	ppm v/v			04/24/21 05:39	1
Vinyl acetate	ND		0.00040	0.000028	ppm v/v			04/24/21 05:39	1
Vinyl chloride	ND		0.000040	0.000026	ppm v/v			04/24/21 05:39	1
Xylenes, Total	ND		0.00016	0.000024	ppm v/v			04/24/21 05:39	1
	MB	MB							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		60 - 140					04/24/21 05:39	1

QC Sample Results

Client: ECS Midwest LLC
 Project/Site: ELGIN MENTAL HEALTHCARE CENTER(53-303)

Job ID: 140-22794-1

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Lab Sample ID: LCS 140-49163/1002
Matrix: Air
Analysis Batch: 49163

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	0.00873	0.00915		mg/m3		105	70 - 130
1,1,2-Trichloroethane	0.00873	0.00911		mg/m3		104	70 - 130
1,1-Dichloroethane	0.00648	0.00697		mg/m3		108	70 - 130
1,1-Dichloroethene	0.00634	0.00647		mg/m3		102	70 - 130
1,2,4-Trichlorobenzene	0.0119	0.0130		mg/m3		110	60 - 140
1,2-Dibromoethane (EDB)	0.0123	0.0133		mg/m3		108	70 - 130
1,2-Dichlorobenzene	0.00962	0.0102		mg/m3		106	70 - 130
1,2-Dichloroethane	0.00648	0.00677		mg/m3		105	70 - 130
1,2-Dichloropropane	0.00739	0.00771		mg/m3		104	70 - 130
1,4-Dichlorobenzene	0.00962	0.0101		mg/m3		105	70 - 130
1,4-Dioxane	0.00577	0.00597		mg/m3		104	60 - 140
1-Butanol	0.00485	0.00526		mg/m3		108	60 - 140
2-Butanone (MEK)	0.00472	0.00492		mg/m3		104	60 - 140
Acetone	0.00380	0.00387	J	mg/m3		102	60 - 140
Benzene	0.00511	0.00548		mg/m3		107	70 - 130
Bromodichloromethane	0.0107	0.0115		mg/m3		107	70 - 130
Bromoform	0.0165	0.0172		mg/m3		104	60 - 140
Bromomethane	0.00621	0.00647		mg/m3		104	70 - 130
Carbon disulfide	0.00498	0.00536		mg/m3		108	70 - 130
Carbon tetrachloride	0.0101	0.0121		mg/m3		121	70 - 130
Chlorobenzene	0.00737	0.00778		mg/m3		106	70 - 130
Chloroform	0.00781	0.00840		mg/m3		108	70 - 130
cis-1,2-Dichloroethene	0.00634	0.00675		mg/m3		106	70 - 130
cis-1,3-Dichloropropene	0.00726	0.00815		mg/m3		112	70 - 130
Dibromochloromethane	0.0136	0.0151		mg/m3		111	70 - 130
Dichlorodifluoromethane	0.00791	0.00923		mg/m3		117	60 - 140
Ethylbenzene	0.00695	0.00733		mg/m3		106	70 - 130
Isopropylbenzene	0.00787	0.00860		mg/m3		109	70 - 130
Methyl tert-butyl ether	0.00577	0.00623		mg/m3		108	60 - 140
Methylene Chloride	0.00556	0.00603		mg/m3		109	70 - 130
m-Xylene & p-Xylene	0.0139	0.0150		mg/m3		108	70 - 130
Naphthalene	0.00839	0.00955		mg/m3		114	60 - 140
o-Xylene	0.00695	0.00741		mg/m3		107	70 - 130
Styrene	0.00682	0.00754		mg/m3		111	70 - 130
Tetrachloroethene	0.0109	0.0112		mg/m3		103	70 - 130
Toluene	0.00603	0.00642		mg/m3		107	70 - 130
trans-1,2-Dichloroethene	0.00634	0.00658		mg/m3		104	70 - 130
trans-1,3-Dichloropropene	0.00726	0.00813		mg/m3		112	70 - 130
Trichloroethene	0.00860	0.00867		mg/m3		101	70 - 130
Trichlorofluoromethane	0.00899	0.00978		mg/m3		109	60 - 140
Vinyl acetate	0.00563	0.00644		mg/m3		114	60 - 140
Vinyl chloride	0.00409	0.00443		mg/m3		108	70 - 130
Xylenes, Total	0.0208	0.0224		mg/m3		108	70 - 130
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	0.0016	0.00168		ppm v/v		105	70 - 130
1,1,2-Trichloroethane	0.0016	0.00167		ppm v/v		104	70 - 130

Eurofins TestAmerica, Knoxville

QC Sample Results

Client: ECS Midwest LLC
 Project/Site: ELGIN MENTAL HEALTHCARE CENTER(53-303)

Job ID: 140-22794-1

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Lab Sample ID: LCS 140-49163/1002
Matrix: Air
Analysis Batch: 49163

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	0.0016	0.00172		ppm v/v		108	70 - 130
1,1-Dichloroethene	0.0016	0.00163		ppm v/v		102	70 - 130
1,2,4-Trichlorobenzene	0.0016	0.00176		ppm v/v		110	60 - 140
1,2-Dibromoethane (EDB)	0.0016	0.00173		ppm v/v		108	70 - 130
1,2-Dichlorobenzene	0.0016	0.00169		ppm v/v		106	70 - 130
1,2-Dichloroethane	0.0016	0.00167		ppm v/v		105	70 - 130
1,2-Dichloropropane	0.0016	0.00167		ppm v/v		104	70 - 130
1,4-Dichlorobenzene	0.0016	0.00167		ppm v/v		105	70 - 130
1,4-Dioxane	0.0016	0.00166		ppm v/v		104	60 - 140
1-Butanol	0.0016	0.00173		ppm v/v		108	60 - 140
2-Butanone (MEK)	0.0016	0.00167		ppm v/v		104	60 - 140
Acetone	0.0016	0.00163	J	ppm v/v		102	60 - 140
Benzene	0.0016	0.00171		ppm v/v		107	70 - 130
Bromodichloromethane	0.0016	0.00171		ppm v/v		107	70 - 130
Bromoform	0.0016	0.00166		ppm v/v		104	60 - 140
Bromomethane	0.0016	0.00167		ppm v/v		104	70 - 130
Carbon disulfide	0.0016	0.00172		ppm v/v		108	70 - 130
Carbon tetrachloride	0.0016	0.00193		ppm v/v		121	70 - 130
Chlorobenzene	0.0016	0.00169		ppm v/v		106	70 - 130
Chloroform	0.0016	0.00172		ppm v/v		108	70 - 130
cis-1,2-Dichloroethene	0.0016	0.00170		ppm v/v		106	70 - 130
cis-1,3-Dichloropropene	0.0016	0.00180		ppm v/v		112	70 - 130
Dibromochloromethane	0.0016	0.00177		ppm v/v		111	70 - 130
Dichlorodifluoromethane	0.0016	0.00187		ppm v/v		117	60 - 140
Ethylbenzene	0.0016	0.00169		ppm v/v		106	70 - 130
Isopropylbenzene	0.0016	0.00175		ppm v/v		109	70 - 130
Methyl tert-butyl ether	0.0016	0.00173		ppm v/v		108	60 - 140
Methylene Chloride	0.0016	0.00174		ppm v/v		109	70 - 130
m-Xylene & p-Xylene	0.0032	0.00345		ppm v/v		108	70 - 130
Naphthalene	0.0016	0.00182		ppm v/v		114	60 - 140
o-Xylene	0.0016	0.00171		ppm v/v		107	70 - 130
Styrene	0.0016	0.00177		ppm v/v		111	70 - 130
Tetrachloroethene	0.0016	0.00165		ppm v/v		103	70 - 130
Toluene	0.0016	0.00170		ppm v/v		107	70 - 130
trans-1,2-Dichloroethene	0.0016	0.00166		ppm v/v		104	70 - 130
trans-1,3-Dichloropropene	0.0016	0.00179		ppm v/v		112	70 - 130
Trichloroethene	0.0016	0.00161		ppm v/v		101	70 - 130
Trichlorofluoromethane	0.0016	0.00174		ppm v/v		109	60 - 140
Vinyl acetate	0.0016	0.00183		ppm v/v		114	60 - 140
Vinyl chloride	0.0016	0.00173		ppm v/v		108	70 - 130
Xylenes, Total	0.0048	0.00516		ppm v/v		108	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		60 - 140

QC Association Summary

Client: ECS Midwest LLC
Project/Site: ELGIN MENTAL HEALTHCARE CENTER(53-303)

Job ID: 140-22794-1

Air - GC/MS VOA

Analysis Batch: 49163

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-22794-1	SG-1	Total/NA	Air	TO 15 LL	
140-22794-2	SG-2	Total/NA	Air	TO 15 LL	
140-22794-3	SG-3	Total/NA	Air	TO 15 LL	
MB 140-49163/4	Method Blank	Total/NA	Air	TO 15 LL	
LCS 140-49163/1002	Lab Control Sample	Total/NA	Air	TO 15 LL	

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Lab Chronicle

Client: ECS Midwest LLC
Project/Site: ELGIN MENTAL HEALTHCARE CENTER(53-303)

Job ID: 140-22794-1

Client Sample ID: SG-1

Date Collected: 04/20/21 10:43

Date Received: 04/22/21 10:30

Lab Sample ID: 140-22794-1

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO 15 LL		1	50 mL	500 mL	49163	04/24/21 13:12	S1K	TAL KNX
Instrument ID: MR										

Client Sample ID: SG-2

Date Collected: 04/20/21 11:43

Date Received: 04/22/21 10:30

Lab Sample ID: 140-22794-2

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO 15 LL		1	50 mL	500 mL	49163	04/24/21 13:54	S1K	TAL KNX
Instrument ID: MR										

Client Sample ID: SG-3

Date Collected: 04/20/21 12:57

Date Received: 04/22/21 10:30

Lab Sample ID: 140-22794-3

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO 15 LL		1	50 mL	500 mL	49163	04/24/21 14:36	S1K	TAL KNX
Instrument ID: MR										

Client Sample ID: Method Blank

Date Collected: N/A

Date Received: N/A

Lab Sample ID: MB 140-49163/4

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO 15 LL		1	500 mL	500 mL	49163	04/24/21 05:39	S1K	TAL KNX
Instrument ID: MR										

Client Sample ID: Lab Control Sample

Date Collected: N/A

Date Received: N/A

Lab Sample ID: LCS 140-49163/1002

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO 15 LL		1	500 mL	500 mL	49163	04/24/21 04:27	S1K	TAL KNX
Instrument ID: MR										

Laboratory References:

TAL KNX = Eurofins TestAmerica, Knoxville, 5815 Middlebrook Pike, Knoxville, TN 37921, TEL (865)291-3000

Accreditation/Certification Summary

Client: ECS Midwest LLC
 Project/Site: ELGIN MENTAL HEALTHCARE CENTER(53-303)

Job ID: 140-22794-1

Laboratory: Eurofins TestAmerica, Knoxville

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
	AFCEE	N/A	
ANAB	Dept. of Defense ELAP	L2311	02-13-22
ANAB	Dept. of Energy	L2311.01	02-13-22
ANAB	ISO/IEC 17025	L2311	02-14-22
Arkansas DEQ	State	88-0688	06-17-21
California	State	2423	06-30-22
Colorado	State	TN00009	02-28-22
Connecticut	State	PH-0223	09-30-21
Florida	NELAP	E87177	07-01-21
Georgia (DW)	State	906	12-11-22
Hawaii	State	NA	12-11-21
Kansas	NELAP	E-10349	10-31-21
Kentucky (DW)	State	90101	12-31-21
Louisiana	NELAP	83979	06-30-21
Louisiana (DW)	State	LA019	12-31-21
Maryland	State	277	03-31-22
Michigan	State	9933	12-11-22
Nevada	State	TN00009	07-31-21
New Hampshire	NELAP	299919	01-17-22
New Jersey	NELAP	TN001	07-01-21
New York	NELAP	10781	03-31-22
North Carolina (DW)	State	21705	07-31-21
North Carolina (WW/SW)	State	64	12-31-21
Ohio VAP	State	CL0059	06-02-23
Oklahoma	State	9415	08-31-21
Oregon	NELAP	TNI0189	01-01-22
Pennsylvania	NELAP	68-00576	12-31-21
Tennessee	State	02014	12-11-22
Texas	NELAP	T104704380-18-12	08-31-21
US Fish & Wildlife	US Federal Programs	058448	07-31-21
USDA	US Federal Programs	P330-19-00236	08-20-22
Utah	NELAP	TN00009	07-31-21
Virginia	NELAP	460176	09-14-21
Washington	State	C593	01-19-22
West Virginia (DW)	State	9955C	01-02-22
West Virginia DEP	State	345	05-01-21
Wisconsin	State	998044300	08-31-21

Method Summary

Client: ECS Midwest LLC
Project/Site: ELGIN MENTAL HEALTHCARE CENTER(53-303)

Job ID: 140-22794-1

Method	Method Description	Protocol	Laboratory
TO 15 LL	Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)	EPA	TAL KNX

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

TAL KNX = Eurofins TestAmerica, Knoxville, 5815 Middlebrook Pike, Knoxville, TN 37921, TEL (865)291-3000



Sample Summary

Client: ECS Midwest LLC
Project/Site: ELGIN MENTAL HEALTHCARE CENTER(53-303)

Job ID: 140-22794-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
140-22794-1	SG-1	Air	04/20/21 10:43	04/22/21 10:30	Air Canister (1-Liter) #11860
140-22794-2	SG-2	Air	04/20/21 11:43	04/22/21 10:30	Air Canister (1-Liter) #34001097
140-22794-3	SG-3	Air	04/20/21 12:57	04/22/21 10:30	Air Canister (1-Liter) #34000329

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140-22794 Chain of Custody

Canister Samples Chain of Custody Record

Eurofins TestAmerica, Knoxville
5815 Middlebrook Pike

TestAmerica Laboratories, Inc. assumes no liability with respect to the collection and shipment of these samples.

Knoxville, TN 37921-5947
phone 865.291.3000 fax 865.584.4315

Client Contact Information		Client Project Manager: <u>Karla Beach</u>		Samples Collected By:																				
Company Name: <u>EIS</u>	Phone:	Email: <u>khach@eisslimited.com</u>		COC No. of COCs																				
Address: <u>1575 Berkeley Blvd</u>	City/State/Zip: <u>15615 Berkeley Circle IL 60099</u>	Site Contact:		TALS Project #:																				
Phone: <u>847-779-0366</u>	FAX:	Tel/Fax:		For Lab Use Only: Walk-in Client: Lab Sampling:																				
Project Name: <u>Elgin Mental Health Center SSI</u>	Standard (Specific):	Analysis Turnaround Time:		Job / SDG No.: (See below for Add'l Items)																				
Site/Location: <u>S3-3032</u>	Rush (Specify):	Sample Identification		Other (Please specify in notes section)																				
P O #	Sample Start Date	Time Start	Sample End Date	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-14/15 (Standard / Low Level)	TO-15 SIM	EPA 3C	EPA 25C	ASTM D-1946	EPA 15/16	Other (Please specify in notes section)	Sample Type	Indoor Air/Ambient Air	Sub-Slab	Soil Gas	Soil Vapor Extraction (SVE)	Landfill Gas	Other (Please specify in notes section)	Sample Specific Notes:	
	<u>56-1</u>	<u>4/20/21 10:35</u>	<u>4/20/21 10:43</u>	<u>10:43</u>	<u>-27</u>	<u>0</u>	<u>11896</u>	<u>11860</u>	<u>X</u>															
	<u>56-2</u>	<u>4/20/21 11:35</u>	<u>4/20/21 11:43</u>	<u>11:43</u>	<u>-27</u>	<u>0</u>	<u>7447</u>	<u>34001897</u>	<u>X</u>															
	<u>56-3</u>	<u>4/20/21 12:49</u>	<u>4/20/21 12:57</u>	<u>12:57</u>	<u>-30</u>	<u>0</u>	<u>11010</u>	<u>34003329</u>	<u>X</u>															
Special Instructions/QC Requirements & Comments:																								
<u>Received @ ambient, 1 box, FedEx Po</u>																								
<u>Custody seal intact</u>																								
<u>PK# 1893 445/ 6339</u>																								
<u>KW 4/22/21</u>																								
Date / Time: <u>4/20/21 0400</u>																								
Date / Time: <u>1350</u>																								
Date / Time: <u>ETA 4/22/21 1030</u>																								
Samples Shipped by: <u>JA Haha 1100</u>																								
Samples Relinquished by: <u>JA Haha</u>																								
Refiniquished by: <u>ETA 4/22/21</u>																								
Samples Received by: <u>JA Haha</u>																								
Received by: <u>ETA 4/22/21 1030</u>																								
Received by: <u>ETA 4/22/21 1030</u>																								
Condition: <u>3 cans, 3 KR</u>																								
Shipped Name: <u>JA Haha</u>																								



EUROFINS/TESTAMERICA KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Review Items	Yes	No	NA	If No, what was the problem?	Comments/Actions Taken
1. Are the shipping containers intact?	/				
2. Were ambient air containers received intact?				<input type="checkbox"/> Containers, Broken	
3. The coolers/containers custody seal if present, is it intact?	/			<input checked="" type="checkbox"/> Checked in lab <input type="checkbox"/> Yes <input type="checkbox"/> NA	10.
4. Is the cooler temperature within limits? (> freezing temp. of water to 6 °C, VOST: 10°C) Thermometer ID: _____ Correction factor: _____			/	<input type="checkbox"/> Cooler Out of Temp, Client Contacted, Proceed/Cancel <input type="checkbox"/> Cooler Out of Temp, Same Day Receipt	
5. Were all of the sample containers received intact?	/			<input type="checkbox"/> Containers, Broken	
6. Were samples received in appropriate containers?	/			<input type="checkbox"/> Containers, Improper; Client Contacted; Proceed/Cancel	
7. Do sample container labels match COC? (IDs, Dates, Times)	/			<input type="checkbox"/> COC & Samples Do Not Match <input type="checkbox"/> COC Incorrect/Incomplete <input type="checkbox"/> COC Not Received	
8. Were all of the samples listed on the COC received?	/			<input type="checkbox"/> Sample Received, Not on COC <input type="checkbox"/> Sample on COC, Not Received	
9. Is the date/time of sample collection noted?	/			<input type="checkbox"/> COC; No Date/Time; Client Contacted	Labeling Verified by: _____ Date: _____
10. Was the sampler identified on the COC?	/	/		<input checked="" type="checkbox"/> Sampler Not Listed on COC	pH test strip lot number: _____
11. Is the client and project name/# identified?	/			<input type="checkbox"/> Client Incorrect/Incomplete	
12. Are tests/parameters listed for each sample?	/			<input type="checkbox"/> COC No tests on COC	
13. Is the matrix of the samples noted?	/			<input type="checkbox"/> COC Incorrect/Incomplete	
14. Was COC relinquished? (Signed/Dated/Timed)	/			<input type="checkbox"/> COC Incorrect/Incomplete	Box 16A: pH Preservation Box 18A: Residual Chlorine
15. Were samples received within holding time?	/			<input type="checkbox"/> Holding Time - Receipt	Preservative: _____
16. Were samples received with correct chemical preservative (excluding Encore)?				<input type="checkbox"/> pH Adjusted, pH Included (See box 16A) <input type="checkbox"/> Incorrect Preservative	Lot Number: _____ Exp Date: _____ Analyst: _____
17. Were VOA samples received without headspace?			/	<input type="checkbox"/> Headspace (VOA only) <input type="checkbox"/> Residual Chlorine	Date: _____ Time: _____
18. Did you check for residual chlorine, if necessary? (e.g. 1613B, 1668) Chlorine test strip lot number: _____			/		
19. For 1613B water samples is pH<9?			/	<input type="checkbox"/> If no, notify lab to adjust	
20. For rad samples was sample activity info. Provided?			/	<input type="checkbox"/> Project missing info	
Project #: 50005714 PM Instructions: _____					

Sample Receiving Associate: Kan W Date: 4/22/21 QA026R32.doc, 062719



ANALYTICAL REPORT

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

Laboratory Job ID: 500-197981-1

Client Project/Site: Elgin Mental Health Center SSI(53-3032)

For:

ECS Midwest LLC
1575 Barclay Blvd.
Buffalo Grove, Illinois 60089

Attn: Kara Beth Sterling Bach



Authorized for release by:
4/28/2021 10:37:43 AM

Jim Knapp, Project Manager II
(630)758-0262
Jim.Knapp@Eurofinset.com

LINKS

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results through
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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.

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Case Narrative

Client: ECS Midwest LLC
Project/Site: Elgin Mental Health Center SSI(53-3032)

Job ID: 500-197981-1

Job ID: 500-197981-1

Laboratory: Eurofins TestAmerica, Chicago

Narrative

Job Narrative 500-197981-1

Comments

No additional comments.

Receipt

The samples were received on 4/21/2021 1:50 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 2.3° C.

GC/MS VOA

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

GC/MS Semi VOA

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

Metals

Method 6010B: The interference check standard solution (ICSA) associated with batch 500-595464 was outside the acceptable limits for Barium. These results are not indicative of a matrix interference.

B-1 (500-197981-1), B-3 Deep (500-197981-3), B-3 (500-197981-4), B-5 (500-197981-7), B-8 (500-197981-10), B-9 (500-197981-11), B-9 Deep (500-197981-12), B-10 (500-197981-13), (500-197981-F-3-C DU), (500-197981-F-3-D MS), (500-197981-F-3-E MSD) and (500-197981-F-3-B SD ^5)

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

General Chemistry

No analytical or quality issues were noted, other than those described 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: ECS Midwest LLC
 Project/Site: Elgin Mental Health Center SSI(53-3032)

Job ID: 500-197981-1

Client Sample ID: B-1

Lab Sample ID: 500-197981-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	0.0066	J	0.038	0.0059	mg/Kg	1	✳	8270D	Total/NA
Acenaphthylene	0.0056	J	0.038	0.0051	mg/Kg	1	✳	8270D	Total/NA
Phenanthrene	0.11		0.038	0.0054	mg/Kg	1	✳	8270D	Total/NA
Anthracene	0.024	J	0.038	0.0064	mg/Kg	1	✳	8270D	Total/NA
Fluoranthene	0.29		0.038	0.0071	mg/Kg	1	✳	8270D	Total/NA
Pyrene	0.20		0.038	0.0076	mg/Kg	1	✳	8270D	Total/NA
Benzo[a]anthracene	0.13		0.038	0.0052	mg/Kg	1	✳	8270D	Total/NA
Chrysene	0.14		0.038	0.010	mg/Kg	1	✳	8270D	Total/NA
Benzo[b]fluoranthene	0.22		0.038	0.0083	mg/Kg	1	✳	8270D	Total/NA
Benzo[k]fluoranthene	0.11		0.038	0.011	mg/Kg	1	✳	8270D	Total/NA
Benzo[a]pyrene	0.16		0.038	0.0074	mg/Kg	1	✳	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.054		0.038	0.010	mg/Kg	1	✳	8270D	Total/NA
Dibenz(a,h)anthracene	0.013	J	0.038	0.0074	mg/Kg	1	✳	8270D	Total/NA
Benzo[g,h,i]perylene	0.049		0.038	0.012	mg/Kg	1	✳	8270D	Total/NA
Arsenic	5.8		1.1	0.38	mg/Kg	1	✳	6010B	Total/NA
Barium	29	^6+	1.1	0.13	mg/Kg	1	✳	6010B	Total/NA
Cadmium	0.18	J B	0.22	0.040	mg/Kg	1	✳	6010B	Total/NA
Chromium	9.6		1.1	0.55	mg/Kg	1	✳	6010B	Total/NA
Lead	25		0.56	0.26	mg/Kg	1	✳	6010B	Total/NA
Silver	0.21	J	0.56	0.14	mg/Kg	1	✳	6010B	Total/NA
Mercury	0.046		0.018	0.0059	mg/Kg	1	✳	7471B	Total/NA
pH	8.3		0.2	0.2	SU	1		9045D	Total/NA

Client Sample ID: B-2

Lab Sample ID: 500-197981-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	0.030	J	0.038	0.0059	mg/Kg	1	✳	8270D	Total/NA
Phenanthrene	0.10		0.038	0.0054	mg/Kg	1	✳	8270D	Total/NA
Anthracene	0.015	J	0.038	0.0064	mg/Kg	1	✳	8270D	Total/NA
Fluoranthene	0.15		0.038	0.0071	mg/Kg	1	✳	8270D	Total/NA
Pyrene	0.15		0.038	0.0077	mg/Kg	1	✳	8270D	Total/NA
Benzo[a]anthracene	0.084		0.038	0.0052	mg/Kg	1	✳	8270D	Total/NA
Chrysene	0.10		0.038	0.011	mg/Kg	1	✳	8270D	Total/NA
Benzo[b]fluoranthene	0.15		0.038	0.0083	mg/Kg	1	✳	8270D	Total/NA
Benzo[k]fluoranthene	0.060		0.038	0.011	mg/Kg	1	✳	8270D	Total/NA
Benzo[a]pyrene	0.092		0.038	0.0075	mg/Kg	1	✳	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.040		0.038	0.010	mg/Kg	1	✳	8270D	Total/NA
Dibenz(a,h)anthracene	0.0099	J	0.038	0.0074	mg/Kg	1	✳	8270D	Total/NA
Benzo[g,h,i]perylene	0.040		0.038	0.012	mg/Kg	1	✳	8270D	Total/NA

Client Sample ID: B-3 Deep

Lab Sample ID: 500-197981-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	2.4		0.95	0.32	mg/Kg	1	✳	6010B	Total/NA
Barium	8.8	^6+	0.95	0.11	mg/Kg	1	✳	6010B	Total/NA
Cadmium	0.11	J B	0.19	0.034	mg/Kg	1	✳	6010B	Total/NA
Chromium	3.6		0.95	0.47	mg/Kg	1	✳	6010B	Total/NA
Lead	3.4		0.47	0.22	mg/Kg	1	✳	6010B	Total/NA
pH	8.9		0.2	0.2	SU	1		9045D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Chicago

Detection Summary

Client: ECS Midwest LLC
Project/Site: Elgin Mental Health Center SSI(53-3032)

Job ID: 500-197981-1

Client Sample ID: B-3

Lab Sample ID: 500-197981-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	0.014	J	0.038	0.0059	mg/Kg	1	✳	8270D	Total/NA
Acenaphthylene	0.047		0.038	0.0050	mg/Kg	1	✳	8270D	Total/NA
Acenaphthene	0.013	J	0.038	0.0068	mg/Kg	1	✳	8270D	Total/NA
Fluorene	0.013	J	0.038	0.0053	mg/Kg	1	✳	8270D	Total/NA
Phenanthrene	0.24		0.038	0.0053	mg/Kg	1	✳	8270D	Total/NA
Anthracene	0.063		0.038	0.0064	mg/Kg	1	✳	8270D	Total/NA
Fluoranthene	0.58		0.038	0.0071	mg/Kg	1	✳	8270D	Total/NA
Pyrene	0.56		0.038	0.0076	mg/Kg	1	✳	8270D	Total/NA
Benzo[a]anthracene	0.43		0.038	0.0051	mg/Kg	1	✳	8270D	Total/NA
Chrysene	0.43		0.038	0.010	mg/Kg	1	✳	8270D	Total/NA
Benzo[b]fluoranthene	0.61		0.038	0.0082	mg/Kg	1	✳	8270D	Total/NA
Benzo[k]fluoranthene	0.27		0.038	0.011	mg/Kg	1	✳	8270D	Total/NA
Benzo[a]pyrene	0.44		0.038	0.0074	mg/Kg	1	✳	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.16		0.038	0.0099	mg/Kg	1	✳	8270D	Total/NA
Dibenz(a,h)anthracene	0.049		0.038	0.0074	mg/Kg	1	✳	8270D	Total/NA
Benzo[g,h,i]perylene	0.15		0.038	0.012	mg/Kg	1	✳	8270D	Total/NA
Arsenic	8.2		1.0	0.35	mg/Kg	1	✳	6010B	Total/NA
Barium	100	^6+	1.0	0.12	mg/Kg	1	✳	6010B	Total/NA
Cadmium	0.27	B	0.20	0.037	mg/Kg	1	✳	6010B	Total/NA
Chromium	14		1.0	0.51	mg/Kg	1	✳	6010B	Total/NA
Lead	50		0.51	0.24	mg/Kg	1	✳	6010B	Total/NA
Silver	0.39	J	0.51	0.13	mg/Kg	1	✳	6010B	Total/NA
Mercury	0.084		0.018	0.0060	mg/Kg	1	✳	7471B	Total/NA
pH	8.3		0.2	0.2	SU	1		9045D	Total/NA

Client Sample ID: B-4

Lab Sample ID: 500-197981-5

No Detections.

Client Sample ID: B-4 Deep

Lab Sample ID: 500-197981-6

No Detections.

Client Sample ID: B-5

Lab Sample ID: 500-197981-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	0.0011	J	0.0019	0.00062	mg/Kg	1	✳	8260B	Total/NA
Tetrachloroethene	0.00075	J	0.0019	0.00063	mg/Kg	1	✳	8260B	Total/NA
Arsenic	9.3		1.2	0.42	mg/Kg	1	✳	6010B	Total/NA
Barium	120	^6+	1.2	0.14	mg/Kg	1	✳	6010B	Total/NA
Cadmium	0.16	J B	0.25	0.044	mg/Kg	1	✳	6010B	Total/NA
Chromium	18		1.2	0.61	mg/Kg	1	✳	6010B	Total/NA
Lead	16		0.61	0.28	mg/Kg	1	✳	6010B	Total/NA
Silver	0.56	J	0.61	0.16	mg/Kg	1	✳	6010B	Total/NA
Mercury	0.068		0.020	0.0068	mg/Kg	1	✳	7471B	Total/NA
pH	8.0		0.2	0.2	SU	1		9045D	Total/NA

Client Sample ID: B-6

Lab Sample ID: 500-197981-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	0.030	J	0.040	0.0062	mg/Kg	1	✳	8270D	Total/NA
Acenaphthylene	0.0053	J	0.040	0.0053	mg/Kg	1	✳	8270D	Total/NA
Acenaphthene	0.058		0.040	0.0072	mg/Kg	1	✳	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Chicago

Detection Summary

Client: ECS Midwest LLC
 Project/Site: Elgin Mental Health Center SSI(53-3032)

Job ID: 500-197981-1

Client Sample ID: B-6 (Continued)

Lab Sample ID: 500-197981-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluorene	0.050		0.040	0.0056	mg/Kg	1	☒	8270D	Total/NA
Phenanthrene	0.62		0.040	0.0056	mg/Kg	1	☒	8270D	Total/NA
Anthracene	0.14		0.040	0.0067	mg/Kg	1	☒	8270D	Total/NA
Fluoranthene	0.76		0.040	0.0074	mg/Kg	1	☒	8270D	Total/NA
Pyrene	0.68		0.040	0.0080	mg/Kg	1	☒	8270D	Total/NA
Benzo[a]anthracene	0.44		0.040	0.0054	mg/Kg	1	☒	8270D	Total/NA
Chrysene	0.44		0.040	0.011	mg/Kg	1	☒	8270D	Total/NA
Benzo[b]fluoranthene	0.46		0.040	0.0087	mg/Kg	1	☒	8270D	Total/NA
Benzo[k]fluoranthene	0.23		0.040	0.012	mg/Kg	1	☒	8270D	Total/NA
Benzo[a]pyrene	0.36		0.040	0.0078	mg/Kg	1	☒	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.14		0.040	0.010	mg/Kg	1	☒	8270D	Total/NA
Dibenz(a,h)anthracene	0.048		0.040	0.0078	mg/Kg	1	☒	8270D	Total/NA
Benzo[g,h,i]perylene	0.13		0.040	0.013	mg/Kg	1	☒	8270D	Total/NA

Client Sample ID: B-7

Lab Sample ID: 500-197981-9

No Detections.

Client Sample ID: B-8

Lab Sample ID: 500-197981-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	0.0083	J	0.037	0.0057	mg/Kg	1	☒	8270D	Total/NA
Acenaphthene	0.014	J	0.037	0.0066	mg/Kg	1	☒	8270D	Total/NA
Fluorene	0.014	J	0.037	0.0052	mg/Kg	1	☒	8270D	Total/NA
Phenanthrene	0.11		0.037	0.0051	mg/Kg	1	☒	8270D	Total/NA
Anthracene	0.029	J	0.037	0.0061	mg/Kg	1	☒	8270D	Total/NA
Fluoranthene	0.12		0.037	0.0068	mg/Kg	1	☒	8270D	Total/NA
Pyrene	0.11		0.037	0.0073	mg/Kg	1	☒	8270D	Total/NA
Benzo[a]anthracene	0.068		0.037	0.0049	mg/Kg	1	☒	8270D	Total/NA
Chrysene	0.069		0.037	0.010	mg/Kg	1	☒	8270D	Total/NA
Benzo[b]fluoranthene	0.076		0.037	0.0079	mg/Kg	1	☒	8270D	Total/NA
Benzo[k]fluoranthene	0.028	J	0.037	0.011	mg/Kg	1	☒	8270D	Total/NA
Benzo[a]pyrene	0.061		0.037	0.0071	mg/Kg	1	☒	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.025	J	0.037	0.0095	mg/Kg	1	☒	8270D	Total/NA
Benzo[g,h,i]perylene	0.025	J	0.037	0.012	mg/Kg	1	☒	8270D	Total/NA
Arsenic	9.2		1.1	0.38	mg/Kg	1	☒	6010B	Total/NA
Barium	100	^6+	1.1	0.13	mg/Kg	1	☒	6010B	Total/NA
Cadmium	0.17	J B	0.22	0.040	mg/Kg	1	☒	6010B	Total/NA
Chromium	14		1.1	0.55	mg/Kg	1	☒	6010B	Total/NA
Lead	27		0.56	0.26	mg/Kg	1	☒	6010B	Total/NA
Silver	0.35	J	0.56	0.14	mg/Kg	1	☒	6010B	Total/NA
Mercury	0.044		0.017	0.0058	mg/Kg	1	☒	7471B	Total/NA
pH	8.2		0.2	0.2	SU	1		9045D	Total/NA

Client Sample ID: B-9

Lab Sample ID: 500-197981-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	7.2		1.2	0.43	mg/Kg	1	☒	6010B	Total/NA
Barium	150	^6+	1.2	0.14	mg/Kg	1	☒	6010B	Total/NA
Cadmium	0.13	J B	0.25	0.045	mg/Kg	1	☒	6010B	Total/NA
Chromium	17		1.2	0.62	mg/Kg	1	☒	6010B	Total/NA
Lead	17		0.62	0.29	mg/Kg	1	☒	6010B	Total/NA
Silver	0.43	J	0.62	0.16	mg/Kg	1	☒	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Chicago

Detection Summary

Client: ECS Midwest LLC
Project/Site: Elgin Mental Health Center SSI(53-3032)

Job ID: 500-197981-1

Client Sample ID: B-9 (Continued)

Lab Sample ID: 500-197981-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.042		0.020	0.0066	mg/Kg	1	☼	7471B	Total/NA
pH	7.7		0.2	0.2	SU	1		9045D	Total/NA

Client Sample ID: B-9 Deep

Lab Sample ID: 500-197981-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.0022	J	0.0048	0.0019	mg/Kg	1	☼	8260B	Total/NA
1,1,1-Trichloroethane	0.0020		0.0019	0.00064	mg/Kg	1	☼	8260B	Total/NA
Tetrachloroethene	0.00072	J	0.0019	0.00065	mg/Kg	1	☼	8260B	Total/NA
Arsenic	4.9		1.0	0.34	mg/Kg	1	☼	6010B	Total/NA
Barium	16	^6+	1.0	0.11	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.11	J B	0.20	0.036	mg/Kg	1	☼	6010B	Total/NA
Chromium	4.9		1.0	0.49	mg/Kg	1	☼	6010B	Total/NA
Lead	7.5		0.50	0.23	mg/Kg	1	☼	6010B	Total/NA
Mercury	0.0055	J	0.016	0.0053	mg/Kg	1	☼	7471B	Total/NA
pH	8.8		0.2	0.2	SU	1		9045D	Total/NA

Client Sample ID: B-10

Lab Sample ID: 500-197981-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.0024	J	0.0048	0.0019	mg/Kg	1	☼	8260B	Total/NA
1,1,1-Trichloroethane	0.0011	J	0.0019	0.00065	mg/Kg	1	☼	8260B	Total/NA
Arsenic	9.8		1.2	0.41	mg/Kg	1	☼	6010B	Total/NA
Barium	100	^6+	1.2	0.14	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.26	B	0.24	0.043	mg/Kg	1	☼	6010B	Total/NA
Chromium	15		1.2	0.60	mg/Kg	1	☼	6010B	Total/NA
Lead	12		0.60	0.28	mg/Kg	1	☼	6010B	Total/NA
Silver	0.34	J	0.60	0.16	mg/Kg	1	☼	6010B	Total/NA
Mercury	0.030		0.020	0.0066	mg/Kg	1	☼	7471B	Total/NA
pH	7.3		0.2	0.2	SU	1		9045D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Chicago

Method Summary

Client: ECS Midwest LLC
Project/Site: Elgin Mental Health Center SSI(53-3032)

Job ID: 500-197981-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CHI
6010B	Metals (ICP)	SW846	TAL CHI
7471B	Mercury (CVAA)	SW846	TAL CHI
9045D	pH	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI
3050B	Preparation, Metals	SW846	TAL CHI
3541	Automated Soxhlet Extraction	SW846	TAL CHI
5035	Closed System Purge and Trap	SW846	TAL CHI
7471B	Preparation, Mercury	SW846	TAL CHI

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 CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: ECS Midwest LLC
Project/Site: Elgin Mental Health Center SSI(53-3032)

Job ID: 500-197981-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
500-197981-1	B-1	Solid	04/20/21 09:30	04/21/21 13:50	
500-197981-2	B-2	Solid	04/20/21 09:40	04/21/21 13:50	
500-197981-3	B-3 Deep	Solid	04/20/21 09:50	04/21/21 13:50	
500-197981-4	B-3	Solid	04/20/21 10:00	04/21/21 13:50	
500-197981-5	B-4	Solid	04/20/21 11:30	04/21/21 13:50	
500-197981-6	B-4 Deep	Solid	04/20/21 11:40	04/21/21 13:50	
500-197981-7	B-5	Solid	04/20/21 11:50	04/21/21 13:50	
500-197981-8	B-6	Solid	04/20/21 12:30	04/21/21 13:50	
500-197981-9	B-7	Solid	04/20/21 12:40	04/21/21 13:50	
500-197981-10	B-8	Solid	04/20/21 12:50	04/21/21 13:50	
500-197981-11	B-9	Solid	04/20/21 13:00	04/21/21 13:50	
500-197981-12	B-9 Deep	Solid	04/20/21 13:10	04/21/21 13:50	
500-197981-13	B-10	Solid	04/20/21 13:20	04/21/21 13:50	

Client Sample Results

Client: ECS Midwest LLC
 Project/Site: Elgin Mental Health Center SSI(53-3032)

Job ID: 500-197981-1

Client Sample ID: B-1

Lab Sample ID: 500-197981-1

Date Collected: 04/20/21 09:30

Matrix: Solid

Date Received: 04/21/21 13:50

Percent Solids: 85.7

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		0.0040	0.0016	mg/Kg	☼	04/21/21 18:00	04/22/21 13:28	1
Vinyl chloride	ND		0.0016	0.00071	mg/Kg	☼	04/21/21 18:00	04/22/21 13:28	1
Bromomethane	ND		0.0040	0.0015	mg/Kg	☼	04/21/21 18:00	04/22/21 13:28	1
Chloroethane	ND		0.0040	0.0012	mg/Kg	☼	04/21/21 18:00	04/22/21 13:28	1
1,1-Dichloroethene	ND		0.0016	0.00055	mg/Kg	☼	04/21/21 18:00	04/22/21 13:28	1
Acetone	ND		0.016	0.0070	mg/Kg	☼	04/21/21 18:00	04/22/21 13:28	1
Carbon disulfide	ND		0.0040	0.00084	mg/Kg	☼	04/21/21 18:00	04/22/21 13:28	1
Methylene Chloride	ND		0.0040	0.0016	mg/Kg	☼	04/21/21 18:00	04/22/21 13:28	1
trans-1,2-Dichloroethene	ND		0.0016	0.00071	mg/Kg	☼	04/21/21 18:00	04/22/21 13:28	1
Methyl tert-butyl ether	ND		0.0016	0.00047	mg/Kg	☼	04/21/21 18:00	04/22/21 13:28	1
1,1-Dichloroethane	ND		0.0016	0.00055	mg/Kg	☼	04/21/21 18:00	04/22/21 13:28	1
cis-1,2-Dichloroethene	ND		0.0016	0.00045	mg/Kg	☼	04/21/21 18:00	04/22/21 13:28	1
Methyl Ethyl Ketone	ND		0.0040	0.0018	mg/Kg	☼	04/21/21 18:00	04/22/21 13:28	1
Chloroform	ND		0.0016	0.00056	mg/Kg	☼	04/21/21 18:00	04/22/21 13:28	1
1,1,1-Trichloroethane	ND		0.0016	0.00054	mg/Kg	☼	04/21/21 18:00	04/22/21 13:28	1
Carbon tetrachloride	ND		0.0016	0.00047	mg/Kg	☼	04/21/21 18:00	04/22/21 13:28	1
Benzene	ND		0.0016	0.00041	mg/Kg	☼	04/21/21 18:00	04/22/21 13:28	1
1,2-Dichloroethane	ND		0.0040	0.0013	mg/Kg	☼	04/21/21 18:00	04/22/21 13:28	1
Trichloroethene	ND		0.0016	0.00054	mg/Kg	☼	04/21/21 18:00	04/22/21 13:28	1
1,2-Dichloropropane	ND		0.0016	0.00042	mg/Kg	☼	04/21/21 18:00	04/22/21 13:28	1
Bromodichloromethane	ND		0.0016	0.00033	mg/Kg	☼	04/21/21 18:00	04/22/21 13:28	1
cis-1,3-Dichloropropene	ND		0.0016	0.00049	mg/Kg	☼	04/21/21 18:00	04/22/21 13:28	1
methyl isobutyl ketone	ND		0.0040	0.0012	mg/Kg	☼	04/21/21 18:00	04/22/21 13:28	1
Toluene	ND		0.0016	0.00041	mg/Kg	☼	04/21/21 18:00	04/22/21 13:28	1
trans-1,3-Dichloropropene	ND		0.0016	0.00057	mg/Kg	☼	04/21/21 18:00	04/22/21 13:28	1
1,1,2-Trichloroethane	ND		0.0016	0.00069	mg/Kg	☼	04/21/21 18:00	04/22/21 13:28	1
Tetrachloroethene	ND		0.0016	0.00055	mg/Kg	☼	04/21/21 18:00	04/22/21 13:28	1
2-Hexanone	ND		0.0040	0.0013	mg/Kg	☼	04/21/21 18:00	04/22/21 13:28	1
Dibromochloromethane	ND		0.0016	0.00053	mg/Kg	☼	04/21/21 18:00	04/22/21 13:28	1
Chlorobenzene	ND		0.0016	0.00059	mg/Kg	☼	04/21/21 18:00	04/22/21 13:28	1
Ethylbenzene	ND		0.0016	0.00077	mg/Kg	☼	04/21/21 18:00	04/22/21 13:28	1
Xylenes, Total	ND		0.0032	0.00052	mg/Kg	☼	04/21/21 18:00	04/22/21 13:28	1
Styrene	ND		0.0016	0.00049	mg/Kg	☼	04/21/21 18:00	04/22/21 13:28	1
Bromoform	ND		0.0016	0.00047	mg/Kg	☼	04/21/21 18:00	04/22/21 13:28	1
1,1,2,2-Tetrachloroethane	ND		0.0016	0.00051	mg/Kg	☼	04/21/21 18:00	04/22/21 13:28	1
1,3-Dichloropropene, Total	ND		0.0016	0.00057	mg/Kg	☼	04/21/21 18:00	04/22/21 13:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		70 - 134	04/21/21 18:00	04/22/21 13:28	1
Toluene-d8 (Surr)	98		75 - 124	04/21/21 18:00	04/22/21 13:28	1
4-Bromofluorobenzene (Surr)	86		75 - 131	04/21/21 18:00	04/22/21 13:28	1
Dibromofluoromethane	102		75 - 126	04/21/21 18:00	04/22/21 13:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	0.0066	J	0.038	0.0059	mg/Kg	☼	04/26/21 08:21	04/27/21 15:17	1
Acenaphthylene	0.0056	J	0.038	0.0051	mg/Kg	☼	04/26/21 08:21	04/27/21 15:17	1
Acenaphthene	ND		0.038	0.0069	mg/Kg	☼	04/26/21 08:21	04/27/21 15:17	1
Fluorene	ND		0.038	0.0054	mg/Kg	☼	04/26/21 08:21	04/27/21 15:17	1
Phenanthrene	0.11		0.038	0.0054	mg/Kg	☼	04/26/21 08:21	04/27/21 15:17	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: ECS Midwest LLC
 Project/Site: Elgin Mental Health Center SSI(53-3032)

Job ID: 500-197981-1

Client Sample ID: B-1

Lab Sample ID: 500-197981-1

Date Collected: 04/20/21 09:30

Matrix: Solid

Date Received: 04/21/21 13:50

Percent Solids: 85.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	0.024	J	0.038	0.0064	mg/Kg	☼	04/26/21 08:21	04/27/21 15:17	1
Fluoranthene	0.29		0.038	0.0071	mg/Kg	☼	04/26/21 08:21	04/27/21 15:17	1
Pyrene	0.20		0.038	0.0076	mg/Kg	☼	04/26/21 08:21	04/27/21 15:17	1
Benzo[a]anthracene	0.13		0.038	0.0052	mg/Kg	☼	04/26/21 08:21	04/27/21 15:17	1
Chrysene	0.14		0.038	0.010	mg/Kg	☼	04/26/21 08:21	04/27/21 15:17	1
Benzo[b]fluoranthene	0.22		0.038	0.0083	mg/Kg	☼	04/26/21 08:21	04/27/21 15:17	1
Benzo[k]fluoranthene	0.11		0.038	0.011	mg/Kg	☼	04/26/21 08:21	04/27/21 15:17	1
Benzo[a]pyrene	0.16		0.038	0.0074	mg/Kg	☼	04/26/21 08:21	04/27/21 15:17	1
Indeno[1,2,3-cd]pyrene	0.054		0.038	0.010	mg/Kg	☼	04/26/21 08:21	04/27/21 15:17	1
Dibenz(a,h)anthracene	0.013	J	0.038	0.0074	mg/Kg	☼	04/26/21 08:21	04/27/21 15:17	1
Benzo[g,h,i]perylene	0.049		0.038	0.012	mg/Kg	☼	04/26/21 08:21	04/27/21 15:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	65		37 - 147				04/26/21 08:21	04/27/21 15:17	1
2-Fluorobiphenyl	84		43 - 145				04/26/21 08:21	04/27/21 15:17	1
Terphenyl-d14	80		42 - 157				04/26/21 08:21	04/27/21 15:17	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.8		1.1	0.38	mg/Kg	☼	04/26/21 17:36	04/27/21 11:51	1
Barium	29	^6+	1.1	0.13	mg/Kg	☼	04/26/21 17:36	04/27/21 11:51	1
Cadmium	0.18	J B	0.22	0.040	mg/Kg	☼	04/26/21 17:36	04/27/21 11:51	1
Chromium	9.6		1.1	0.55	mg/Kg	☼	04/26/21 17:36	04/27/21 11:51	1
Lead	25		0.56	0.26	mg/Kg	☼	04/26/21 17:36	04/27/21 11:51	1
Selenium	ND		1.1	0.66	mg/Kg	☼	04/26/21 17:36	04/27/21 11:51	1
Silver	0.21	J	0.56	0.14	mg/Kg	☼	04/26/21 17:36	04/27/21 11:51	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.046		0.018	0.0059	mg/Kg	☼	04/26/21 14:00	04/27/21 08:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.3		0.2	0.2	SU			04/26/21 18:23	1

Client Sample Results

Client: ECS Midwest LLC
 Project/Site: Elgin Mental Health Center SSI(53-3032)

Job ID: 500-197981-1

Client Sample ID: B-2

Lab Sample ID: 500-197981-2

Date Collected: 04/20/21 09:40

Matrix: Solid

Date Received: 04/21/21 13:50

Percent Solids: 85.6

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.013	0.0074	mg/Kg	✳	04/20/21 09:40	04/27/21 12:11	50
Toluene	ND		0.013	0.0075	mg/Kg	✳	04/20/21 09:40	04/27/21 12:11	50
Ethylbenzene	ND		0.013	0.0093	mg/Kg	✳	04/20/21 09:40	04/27/21 12:11	50
Xylenes, Total	ND		0.025	0.011	mg/Kg	✳	04/20/21 09:40	04/27/21 12:11	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		75 - 126				04/20/21 09:40	04/27/21 12:11	50
Toluene-d8 (Surr)	101		75 - 120				04/20/21 09:40	04/27/21 12:11	50
4-Bromofluorobenzene (Surr)	100		72 - 124				04/20/21 09:40	04/27/21 12:11	50
Dibromofluoromethane	112		75 - 120				04/20/21 09:40	04/27/21 12:11	50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	0.030	J	0.038	0.0059	mg/Kg	✳	04/26/21 08:21	04/27/21 01:15	1
Acenaphthylene	ND		0.038	0.0051	mg/Kg	✳	04/26/21 08:21	04/27/21 01:15	1
Acenaphthene	ND		0.038	0.0069	mg/Kg	✳	04/26/21 08:21	04/27/21 01:15	1
Fluorene	ND		0.038	0.0054	mg/Kg	✳	04/26/21 08:21	04/27/21 01:15	1
Phenanthrene	0.10		0.038	0.0054	mg/Kg	✳	04/26/21 08:21	04/27/21 01:15	1
Anthracene	0.015	J	0.038	0.0064	mg/Kg	✳	04/26/21 08:21	04/27/21 01:15	1
Fluoranthene	0.15		0.038	0.0071	mg/Kg	✳	04/26/21 08:21	04/27/21 01:15	1
Pyrene	0.15		0.038	0.0077	mg/Kg	✳	04/26/21 08:21	04/27/21 01:15	1
Benzo[a]anthracene	0.084		0.038	0.0052	mg/Kg	✳	04/26/21 08:21	04/27/21 01:15	1
Chrysene	0.10		0.038	0.011	mg/Kg	✳	04/26/21 08:21	04/27/21 01:15	1
Benzo[b]fluoranthene	0.15		0.038	0.0083	mg/Kg	✳	04/26/21 08:21	04/27/21 01:15	1
Benzo[k]fluoranthene	0.060		0.038	0.011	mg/Kg	✳	04/26/21 08:21	04/27/21 01:15	1
Benzo[a]pyrene	0.092		0.038	0.0075	mg/Kg	✳	04/26/21 08:21	04/27/21 01:15	1
Indeno[1,2,3-cd]pyrene	0.040		0.038	0.010	mg/Kg	✳	04/26/21 08:21	04/27/21 01:15	1
Dibenz(a,h)anthracene	0.0099	J	0.038	0.0074	mg/Kg	✳	04/26/21 08:21	04/27/21 01:15	1
Benzo[g,h,i]perylene	0.040		0.038	0.012	mg/Kg	✳	04/26/21 08:21	04/27/21 01:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	60		37 - 147				04/26/21 08:21	04/27/21 01:15	1
2-Fluorobiphenyl	58		43 - 145				04/26/21 08:21	04/27/21 01:15	1
Terphenyl-d14	88		42 - 157				04/26/21 08:21	04/27/21 01:15	1

Client Sample Results

Client: ECS Midwest LLC
 Project/Site: Elgin Mental Health Center SSI(53-3032)

Job ID: 500-197981-1

Client Sample ID: B-3 Deep

Lab Sample ID: 500-197981-3

Date Collected: 04/20/21 09:50

Matrix: Solid

Date Received: 04/21/21 13:50

Percent Solids: 96.4

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		0.0046	0.0018	mg/Kg	✱	04/21/21 18:00	04/22/21 13:54	1
Vinyl chloride	ND		0.0018	0.00081	mg/Kg	✱	04/21/21 18:00	04/22/21 13:54	1
Bromomethane	ND		0.0046	0.0017	mg/Kg	✱	04/21/21 18:00	04/22/21 13:54	1
Chloroethane	ND		0.0046	0.0014	mg/Kg	✱	04/21/21 18:00	04/22/21 13:54	1
1,1-Dichloroethene	ND		0.0018	0.00063	mg/Kg	✱	04/21/21 18:00	04/22/21 13:54	1
Acetone	ND		0.018	0.0080	mg/Kg	✱	04/21/21 18:00	04/22/21 13:54	1
Carbon disulfide	ND		0.0046	0.00095	mg/Kg	✱	04/21/21 18:00	04/22/21 13:54	1
Methylene Chloride	ND		0.0046	0.0018	mg/Kg	✱	04/21/21 18:00	04/22/21 13:54	1
trans-1,2-Dichloroethene	ND		0.0018	0.00081	mg/Kg	✱	04/21/21 18:00	04/22/21 13:54	1
Methyl tert-butyl ether	ND		0.0018	0.00054	mg/Kg	✱	04/21/21 18:00	04/22/21 13:54	1
1,1-Dichloroethane	ND		0.0018	0.00063	mg/Kg	✱	04/21/21 18:00	04/22/21 13:54	1
cis-1,2-Dichloroethene	ND		0.0018	0.00051	mg/Kg	✱	04/21/21 18:00	04/22/21 13:54	1
Methyl Ethyl Ketone	ND		0.0046	0.0020	mg/Kg	✱	04/21/21 18:00	04/22/21 13:54	1
Chloroform	ND		0.0018	0.00064	mg/Kg	✱	04/21/21 18:00	04/22/21 13:54	1
1,1,1-Trichloroethane	ND		0.0018	0.00061	mg/Kg	✱	04/21/21 18:00	04/22/21 13:54	1
Carbon tetrachloride	ND		0.0018	0.00053	mg/Kg	✱	04/21/21 18:00	04/22/21 13:54	1
Benzene	ND		0.0018	0.00047	mg/Kg	✱	04/21/21 18:00	04/22/21 13:54	1
1,2-Dichloroethane	ND		0.0046	0.0014	mg/Kg	✱	04/21/21 18:00	04/22/21 13:54	1
Trichloroethene	ND		0.0018	0.00062	mg/Kg	✱	04/21/21 18:00	04/22/21 13:54	1
1,2-Dichloropropane	ND		0.0018	0.00047	mg/Kg	✱	04/21/21 18:00	04/22/21 13:54	1
Bromodichloromethane	ND		0.0018	0.00037	mg/Kg	✱	04/21/21 18:00	04/22/21 13:54	1
cis-1,3-Dichloropropene	ND		0.0018	0.00055	mg/Kg	✱	04/21/21 18:00	04/22/21 13:54	1
methyl isobutyl ketone	ND		0.0046	0.0014	mg/Kg	✱	04/21/21 18:00	04/22/21 13:54	1
Toluene	ND		0.0018	0.00046	mg/Kg	✱	04/21/21 18:00	04/22/21 13:54	1
trans-1,3-Dichloropropene	ND		0.0018	0.00064	mg/Kg	✱	04/21/21 18:00	04/22/21 13:54	1
1,1,2-Trichloroethane	ND		0.0018	0.00079	mg/Kg	✱	04/21/21 18:00	04/22/21 13:54	1
Tetrachloroethene	ND		0.0018	0.00062	mg/Kg	✱	04/21/21 18:00	04/22/21 13:54	1
2-Hexanone	ND		0.0046	0.0014	mg/Kg	✱	04/21/21 18:00	04/22/21 13:54	1
Dibromochloromethane	ND		0.0018	0.00060	mg/Kg	✱	04/21/21 18:00	04/22/21 13:54	1
Chlorobenzene	ND		0.0018	0.00068	mg/Kg	✱	04/21/21 18:00	04/22/21 13:54	1
Ethylbenzene	ND		0.0018	0.00088	mg/Kg	✱	04/21/21 18:00	04/22/21 13:54	1
Xylenes, Total	ND		0.0037	0.00059	mg/Kg	✱	04/21/21 18:00	04/22/21 13:54	1
Styrene	ND		0.0018	0.00055	mg/Kg	✱	04/21/21 18:00	04/22/21 13:54	1
Bromoform	ND		0.0018	0.00054	mg/Kg	✱	04/21/21 18:00	04/22/21 13:54	1
1,1,2,2-Tetrachloroethane	ND		0.0018	0.00059	mg/Kg	✱	04/21/21 18:00	04/22/21 13:54	1
1,3-Dichloropropene, Total	ND		0.0018	0.00064	mg/Kg	✱	04/21/21 18:00	04/22/21 13:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		70 - 134	04/21/21 18:00	04/22/21 13:54	1
Toluene-d8 (Surr)	96		75 - 124	04/21/21 18:00	04/22/21 13:54	1
4-Bromofluorobenzene (Surr)	86		75 - 131	04/21/21 18:00	04/22/21 13:54	1
Dibromofluoromethane	100		75 - 126	04/21/21 18:00	04/22/21 13:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.034	0.0053	mg/Kg	✱	04/26/21 08:21	04/26/21 21:13	1
Acenaphthylene	ND		0.034	0.0045	mg/Kg	✱	04/26/21 08:21	04/26/21 21:13	1
Acenaphthene	ND		0.034	0.0061	mg/Kg	✱	04/26/21 08:21	04/26/21 21:13	1
Fluorene	ND		0.034	0.0048	mg/Kg	✱	04/26/21 08:21	04/26/21 21:13	1
Phenanthrene	ND		0.034	0.0048	mg/Kg	✱	04/26/21 08:21	04/26/21 21:13	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: ECS Midwest LLC
 Project/Site: Elgin Mental Health Center SSI(53-3032)

Job ID: 500-197981-1

Client Sample ID: B-3 Deep

Lab Sample ID: 500-197981-3

Date Collected: 04/20/21 09:50

Matrix: Solid

Date Received: 04/21/21 13:50

Percent Solids: 96.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		0.034	0.0057	mg/Kg	✱	04/26/21 08:21	04/26/21 21:13	1
Fluoranthene	ND		0.034	0.0063	mg/Kg	✱	04/26/21 08:21	04/26/21 21:13	1
Pyrene	ND		0.034	0.0068	mg/Kg	✱	04/26/21 08:21	04/26/21 21:13	1
Benzo[a]anthracene	ND		0.034	0.0046	mg/Kg	✱	04/26/21 08:21	04/26/21 21:13	1
Chrysene	ND		0.034	0.0093	mg/Kg	✱	04/26/21 08:21	04/26/21 21:13	1
Benzo[b]fluoranthene	ND		0.034	0.0074	mg/Kg	✱	04/26/21 08:21	04/26/21 21:13	1
Benzo[k]fluoranthene	ND		0.034	0.010	mg/Kg	✱	04/26/21 08:21	04/26/21 21:13	1
Benzo[a]pyrene	ND		0.034	0.0066	mg/Kg	✱	04/26/21 08:21	04/26/21 21:13	1
Indeno[1,2,3-cd]pyrene	ND		0.034	0.0089	mg/Kg	✱	04/26/21 08:21	04/26/21 21:13	1
Dibenz(a,h)anthracene	ND		0.034	0.0066	mg/Kg	✱	04/26/21 08:21	04/26/21 21:13	1
Benzo[g,h,i]perylene	ND		0.034	0.011	mg/Kg	✱	04/26/21 08:21	04/26/21 21:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	86		37 - 147				04/26/21 08:21	04/26/21 21:13	1
2-Fluorobiphenyl	84		43 - 145				04/26/21 08:21	04/26/21 21:13	1
Terphenyl-d14	94		42 - 157				04/26/21 08:21	04/26/21 21:13	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.4		0.95	0.32	mg/Kg	✱	04/26/21 17:36	04/27/21 11:54	1
Barium	8.8	^6+	0.95	0.11	mg/Kg	✱	04/26/21 17:36	04/27/21 11:54	1
Cadmium	0.11	J B	0.19	0.034	mg/Kg	✱	04/26/21 17:36	04/27/21 11:54	1
Chromium	3.6		0.95	0.47	mg/Kg	✱	04/26/21 17:36	04/27/21 11:54	1
Lead	3.4		0.47	0.22	mg/Kg	✱	04/26/21 17:36	04/27/21 11:54	1
Selenium	ND		0.95	0.56	mg/Kg	✱	04/26/21 17:36	04/27/21 11:54	1
Silver	ND		0.47	0.12	mg/Kg	✱	04/26/21 17:36	04/27/21 11:54	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.016	0.0054	mg/Kg	✱	04/26/21 14:00	04/27/21 08:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.9		0.2	0.2	SU			04/26/21 18:26	1

Client Sample Results

Client: ECS Midwest LLC
 Project/Site: Elgin Mental Health Center SSI(53-3032)

Job ID: 500-197981-1

Client Sample ID: B-3

Lab Sample ID: 500-197981-4

Date Collected: 04/20/21 10:00

Matrix: Solid

Date Received: 04/21/21 13:50

Percent Solids: 85.1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		0.0043	0.0017	mg/Kg	✳	04/21/21 18:00	04/22/21 14:20	1
Vinyl chloride	ND		0.0017	0.00076	mg/Kg	✳	04/21/21 18:00	04/22/21 14:20	1
Bromomethane	ND		0.0043	0.0016	mg/Kg	✳	04/21/21 18:00	04/22/21 14:20	1
Chloroethane	ND		0.0043	0.0013	mg/Kg	✳	04/21/21 18:00	04/22/21 14:20	1
1,1-Dichloroethene	ND		0.0017	0.00059	mg/Kg	✳	04/21/21 18:00	04/22/21 14:20	1
Acetone	ND		0.017	0.0075	mg/Kg	✳	04/21/21 18:00	04/22/21 14:20	1
Carbon disulfide	ND		0.0043	0.00089	mg/Kg	✳	04/21/21 18:00	04/22/21 14:20	1
Methylene Chloride	ND		0.0043	0.0017	mg/Kg	✳	04/21/21 18:00	04/22/21 14:20	1
trans-1,2-Dichloroethene	ND		0.0017	0.00076	mg/Kg	✳	04/21/21 18:00	04/22/21 14:20	1
Methyl tert-butyl ether	ND		0.0017	0.00050	mg/Kg	✳	04/21/21 18:00	04/22/21 14:20	1
1,1-Dichloroethane	ND		0.0017	0.00059	mg/Kg	✳	04/21/21 18:00	04/22/21 14:20	1
cis-1,2-Dichloroethene	ND		0.0017	0.00048	mg/Kg	✳	04/21/21 18:00	04/22/21 14:20	1
Methyl Ethyl Ketone	ND		0.0043	0.0019	mg/Kg	✳	04/21/21 18:00	04/22/21 14:20	1
Chloroform	ND		0.0017	0.00059	mg/Kg	✳	04/21/21 18:00	04/22/21 14:20	1
1,1,1-Trichloroethane	ND		0.0017	0.00057	mg/Kg	✳	04/21/21 18:00	04/22/21 14:20	1
Carbon tetrachloride	ND		0.0017	0.00050	mg/Kg	✳	04/21/21 18:00	04/22/21 14:20	1
Benzene	ND		0.0017	0.00044	mg/Kg	✳	04/21/21 18:00	04/22/21 14:20	1
1,2-Dichloroethane	ND		0.0043	0.0013	mg/Kg	✳	04/21/21 18:00	04/22/21 14:20	1
Trichloroethene	ND		0.0017	0.00058	mg/Kg	✳	04/21/21 18:00	04/22/21 14:20	1
1,2-Dichloropropane	ND		0.0017	0.00044	mg/Kg	✳	04/21/21 18:00	04/22/21 14:20	1
Bromodichloromethane	ND		0.0017	0.00035	mg/Kg	✳	04/21/21 18:00	04/22/21 14:20	1
cis-1,3-Dichloropropene	ND		0.0017	0.00052	mg/Kg	✳	04/21/21 18:00	04/22/21 14:20	1
methyl isobutyl ketone	ND		0.0043	0.0013	mg/Kg	✳	04/21/21 18:00	04/22/21 14:20	1
Toluene	ND		0.0017	0.00043	mg/Kg	✳	04/21/21 18:00	04/22/21 14:20	1
trans-1,3-Dichloropropene	ND		0.0017	0.00060	mg/Kg	✳	04/21/21 18:00	04/22/21 14:20	1
1,1,2-Trichloroethane	ND		0.0017	0.00074	mg/Kg	✳	04/21/21 18:00	04/22/21 14:20	1
Tetrachloroethene	ND		0.0017	0.00058	mg/Kg	✳	04/21/21 18:00	04/22/21 14:20	1
2-Hexanone	ND		0.0043	0.0013	mg/Kg	✳	04/21/21 18:00	04/22/21 14:20	1
Dibromochloromethane	ND		0.0017	0.00056	mg/Kg	✳	04/21/21 18:00	04/22/21 14:20	1
Chlorobenzene	ND		0.0017	0.00063	mg/Kg	✳	04/21/21 18:00	04/22/21 14:20	1
Ethylbenzene	ND		0.0017	0.00082	mg/Kg	✳	04/21/21 18:00	04/22/21 14:20	1
Xylenes, Total	ND		0.0034	0.00055	mg/Kg	✳	04/21/21 18:00	04/22/21 14:20	1
Styrene	ND		0.0017	0.00052	mg/Kg	✳	04/21/21 18:00	04/22/21 14:20	1
Bromoform	ND		0.0017	0.00050	mg/Kg	✳	04/21/21 18:00	04/22/21 14:20	1
1,1,2,2-Tetrachloroethane	ND		0.0017	0.00055	mg/Kg	✳	04/21/21 18:00	04/22/21 14:20	1
1,3-Dichloropropene, Total	ND		0.0017	0.00060	mg/Kg	✳	04/21/21 18:00	04/22/21 14:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		70 - 134	04/21/21 18:00	04/22/21 14:20	1
Toluene-d8 (Surr)	99		75 - 124	04/21/21 18:00	04/22/21 14:20	1
4-Bromofluorobenzene (Surr)	87		75 - 131	04/21/21 18:00	04/22/21 14:20	1
Dibromofluoromethane	100		75 - 126	04/21/21 18:00	04/22/21 14:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	0.014	J	0.038	0.0059	mg/Kg	✳	04/26/21 08:21	04/27/21 01:37	1
Acenaphthylene	0.047		0.038	0.0050	mg/Kg	✳	04/26/21 08:21	04/27/21 01:37	1
Acenaphthene	0.013	J	0.038	0.0068	mg/Kg	✳	04/26/21 08:21	04/27/21 01:37	1
Fluorene	0.013	J	0.038	0.0053	mg/Kg	✳	04/26/21 08:21	04/27/21 01:37	1
Phenanthrene	0.24		0.038	0.0053	mg/Kg	✳	04/26/21 08:21	04/27/21 01:37	1

Euofins TestAmerica, Chicago

Client Sample Results

Client: ECS Midwest LLC
 Project/Site: Elgin Mental Health Center SSI(53-3032)

Job ID: 500-197981-1

Client Sample ID: B-3

Lab Sample ID: 500-197981-4

Date Collected: 04/20/21 10:00

Matrix: Solid

Date Received: 04/21/21 13:50

Percent Solids: 85.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	0.063		0.038	0.0064	mg/Kg	✱	04/26/21 08:21	04/27/21 01:37	1
Fluoranthene	0.58		0.038	0.0071	mg/Kg	✱	04/26/21 08:21	04/27/21 01:37	1
Pyrene	0.56		0.038	0.0076	mg/Kg	✱	04/26/21 08:21	04/27/21 01:37	1
Benzo[a]anthracene	0.43		0.038	0.0051	mg/Kg	✱	04/26/21 08:21	04/27/21 01:37	1
Chrysene	0.43		0.038	0.010	mg/Kg	✱	04/26/21 08:21	04/27/21 01:37	1
Benzo[b]fluoranthene	0.61		0.038	0.0082	mg/Kg	✱	04/26/21 08:21	04/27/21 01:37	1
Benzo[k]fluoranthene	0.27		0.038	0.011	mg/Kg	✱	04/26/21 08:21	04/27/21 01:37	1
Benzo[a]pyrene	0.44		0.038	0.0074	mg/Kg	✱	04/26/21 08:21	04/27/21 01:37	1
Indeno[1,2,3-cd]pyrene	0.16		0.038	0.0099	mg/Kg	✱	04/26/21 08:21	04/27/21 01:37	1
Dibenz(a,h)anthracene	0.049		0.038	0.0074	mg/Kg	✱	04/26/21 08:21	04/27/21 01:37	1
Benzo[g,h,i]perylene	0.15		0.038	0.012	mg/Kg	✱	04/26/21 08:21	04/27/21 01:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	74		37 - 147				04/26/21 08:21	04/27/21 01:37	1
2-Fluorobiphenyl	66		43 - 145				04/26/21 08:21	04/27/21 01:37	1
Terphenyl-d14	85		42 - 157				04/26/21 08:21	04/27/21 01:37	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	8.2		1.0	0.35	mg/Kg	✱	04/26/21 17:36	04/27/21 12:10	1
Barium	100	^6+	1.0	0.12	mg/Kg	✱	04/26/21 17:36	04/27/21 12:10	1
Cadmium	0.27	B	0.20	0.037	mg/Kg	✱	04/26/21 17:36	04/27/21 12:10	1
Chromium	14		1.0	0.51	mg/Kg	✱	04/26/21 17:36	04/27/21 12:10	1
Lead	50		0.51	0.24	mg/Kg	✱	04/26/21 17:36	04/27/21 12:10	1
Selenium	ND		1.0	0.60	mg/Kg	✱	04/26/21 17:36	04/27/21 12:10	1
Silver	0.39	J	0.51	0.13	mg/Kg	✱	04/26/21 17:36	04/27/21 12:10	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.084		0.018	0.0060	mg/Kg	✱	04/26/21 14:00	04/27/21 08:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.3		0.2	0.2	SU			04/26/21 18:28	1

Client Sample Results

Client: ECS Midwest LLC
 Project/Site: Elgin Mental Health Center SSI(53-3032)

Job ID: 500-197981-1

Client Sample ID: B-4

Lab Sample ID: 500-197981-5

Date Collected: 04/20/21 11:30

Matrix: Solid

Date Received: 04/21/21 13:50

Percent Solids: 87.8

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.013	0.0074	mg/Kg	✳	04/20/21 11:30	04/27/21 12:37	50
Toluene	ND		0.013	0.0075	mg/Kg	✳	04/20/21 11:30	04/27/21 12:37	50
Ethylbenzene	ND		0.013	0.0093	mg/Kg	✳	04/20/21 11:30	04/27/21 12:37	50
Xylenes, Total	ND		0.025	0.011	mg/Kg	✳	04/20/21 11:30	04/27/21 12:37	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	115		75 - 126	04/20/21 11:30	04/27/21 12:37	50
Toluene-d8 (Surr)	98		75 - 120	04/20/21 11:30	04/27/21 12:37	50
4-Bromofluorobenzene (Surr)	101		72 - 124	04/20/21 11:30	04/27/21 12:37	50
Dibromofluoromethane	114		75 - 120	04/20/21 11:30	04/27/21 12:37	50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.037	0.0057	mg/Kg	✳	04/26/21 08:21	04/26/21 21:35	1
Acenaphthylene	ND		0.037	0.0049	mg/Kg	✳	04/26/21 08:21	04/26/21 21:35	1
Acenaphthene	ND		0.037	0.0067	mg/Kg	✳	04/26/21 08:21	04/26/21 21:35	1
Fluorene	ND		0.037	0.0052	mg/Kg	✳	04/26/21 08:21	04/26/21 21:35	1
Phenanthrene	ND		0.037	0.0052	mg/Kg	✳	04/26/21 08:21	04/26/21 21:35	1
Anthracene	ND		0.037	0.0062	mg/Kg	✳	04/26/21 08:21	04/26/21 21:35	1
Fluoranthene	ND		0.037	0.0069	mg/Kg	✳	04/26/21 08:21	04/26/21 21:35	1
Pyrene	ND		0.037	0.0074	mg/Kg	✳	04/26/21 08:21	04/26/21 21:35	1
Benzo[a]anthracene	ND		0.037	0.0050	mg/Kg	✳	04/26/21 08:21	04/26/21 21:35	1
Chrysene	ND		0.037	0.010	mg/Kg	✳	04/26/21 08:21	04/26/21 21:35	1
Benzo[b]fluoranthene	ND		0.037	0.0080	mg/Kg	✳	04/26/21 08:21	04/26/21 21:35	1
Benzo[k]fluoranthene	ND		0.037	0.011	mg/Kg	✳	04/26/21 08:21	04/26/21 21:35	1
Benzo[a]pyrene	ND		0.037	0.0072	mg/Kg	✳	04/26/21 08:21	04/26/21 21:35	1
Indeno[1,2,3-cd]pyrene	ND		0.037	0.0096	mg/Kg	✳	04/26/21 08:21	04/26/21 21:35	1
Dibenz(a,h)anthracene	ND		0.037	0.0072	mg/Kg	✳	04/26/21 08:21	04/26/21 21:35	1
Benzo[g,h,i]perylene	ND		0.037	0.012	mg/Kg	✳	04/26/21 08:21	04/26/21 21:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	76		37 - 147	04/26/21 08:21	04/26/21 21:35	1
2-Fluorobiphenyl	73		43 - 145	04/26/21 08:21	04/26/21 21:35	1
Terphenyl-d14	87		42 - 157	04/26/21 08:21	04/26/21 21:35	1

Client Sample Results

Client: ECS Midwest LLC
 Project/Site: Elgin Mental Health Center SSI(53-3032)

Job ID: 500-197981-1

Client Sample ID: B-4 Deep

Lab Sample ID: 500-197981-6

Date Collected: 04/20/21 11:40

Matrix: Solid

Date Received: 04/21/21 13:50

Percent Solids: 97.0

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.011	0.0066	mg/Kg	✱	04/20/21 11:40	04/27/21 13:02	50
Toluene	ND		0.011	0.0067	mg/Kg	✱	04/20/21 11:40	04/27/21 13:02	50
Ethylbenzene	ND		0.011	0.0083	mg/Kg	✱	04/20/21 11:40	04/27/21 13:02	50
Xylenes, Total	ND		0.023	0.010	mg/Kg	✱	04/20/21 11:40	04/27/21 13:02	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		75 - 126	04/20/21 11:40	04/27/21 13:02	50
Toluene-d8 (Surr)	101		75 - 120	04/20/21 11:40	04/27/21 13:02	50
4-Bromofluorobenzene (Surr)	100		72 - 124	04/20/21 11:40	04/27/21 13:02	50
Dibromofluoromethane	107		75 - 120	04/20/21 11:40	04/27/21 13:02	50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.033	0.0051	mg/Kg	✱	04/26/21 08:21	04/26/21 21:57	1
Acenaphthylene	ND		0.033	0.0044	mg/Kg	✱	04/26/21 08:21	04/26/21 21:57	1
Acenaphthene	ND		0.033	0.0059	mg/Kg	✱	04/26/21 08:21	04/26/21 21:57	1
Fluorene	ND		0.033	0.0046	mg/Kg	✱	04/26/21 08:21	04/26/21 21:57	1
Phenanthrene	ND		0.033	0.0046	mg/Kg	✱	04/26/21 08:21	04/26/21 21:57	1
Anthracene	ND		0.033	0.0055	mg/Kg	✱	04/26/21 08:21	04/26/21 21:57	1
Fluoranthene	ND		0.033	0.0061	mg/Kg	✱	04/26/21 08:21	04/26/21 21:57	1
Pyrene	ND		0.033	0.0066	mg/Kg	✱	04/26/21 08:21	04/26/21 21:57	1
Benzo[a]anthracene	ND		0.033	0.0044	mg/Kg	✱	04/26/21 08:21	04/26/21 21:57	1
Chrysene	ND		0.033	0.0090	mg/Kg	✱	04/26/21 08:21	04/26/21 21:57	1
Benzo[b]fluoranthene	ND		0.033	0.0071	mg/Kg	✱	04/26/21 08:21	04/26/21 21:57	1
Benzo[k]fluoranthene	ND		0.033	0.0097	mg/Kg	✱	04/26/21 08:21	04/26/21 21:57	1
Benzo[a]pyrene	ND		0.033	0.0064	mg/Kg	✱	04/26/21 08:21	04/26/21 21:57	1
Indeno[1,2,3-cd]pyrene	ND		0.033	0.0086	mg/Kg	✱	04/26/21 08:21	04/26/21 21:57	1
Dibenz(a,h)anthracene	ND		0.033	0.0064	mg/Kg	✱	04/26/21 08:21	04/26/21 21:57	1
Benzo[g,h,i]perylene	ND		0.033	0.011	mg/Kg	✱	04/26/21 08:21	04/26/21 21:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	75		37 - 147	04/26/21 08:21	04/26/21 21:57	1
2-Fluorobiphenyl	74		43 - 145	04/26/21 08:21	04/26/21 21:57	1
Terphenyl-d14	83		42 - 157	04/26/21 08:21	04/26/21 21:57	1

Client Sample Results

Client: ECS Midwest LLC
 Project/Site: Elgin Mental Health Center SSI(53-3032)

Job ID: 500-197981-1

Client Sample ID: B-5

Lab Sample ID: 500-197981-7

Date Collected: 04/20/21 11:50

Matrix: Solid

Date Received: 04/21/21 13:50

Percent Solids: 79.8

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		0.0046	0.0019	mg/Kg	✱	04/21/21 18:00	04/22/21 14:46	1
Vinyl chloride	ND		0.0019	0.00082	mg/Kg	✱	04/21/21 18:00	04/22/21 14:46	1
Bromomethane	ND		0.0046	0.0017	mg/Kg	✱	04/21/21 18:00	04/22/21 14:46	1
Chloroethane	ND		0.0046	0.0014	mg/Kg	✱	04/21/21 18:00	04/22/21 14:46	1
1,1-Dichloroethene	ND		0.0019	0.00064	mg/Kg	✱	04/21/21 18:00	04/22/21 14:46	1
Acetone	ND		0.019	0.0081	mg/Kg	✱	04/21/21 18:00	04/22/21 14:46	1
Carbon disulfide	ND		0.0046	0.00096	mg/Kg	✱	04/21/21 18:00	04/22/21 14:46	1
Methylene Chloride	ND		0.0046	0.0018	mg/Kg	✱	04/21/21 18:00	04/22/21 14:46	1
trans-1,2-Dichloroethene	ND		0.0019	0.00082	mg/Kg	✱	04/21/21 18:00	04/22/21 14:46	1
Methyl tert-butyl ether	ND		0.0019	0.00054	mg/Kg	✱	04/21/21 18:00	04/22/21 14:46	1
1,1-Dichloroethane	ND		0.0019	0.00063	mg/Kg	✱	04/21/21 18:00	04/22/21 14:46	1
cis-1,2-Dichloroethene	ND		0.0019	0.00052	mg/Kg	✱	04/21/21 18:00	04/22/21 14:46	1
Methyl Ethyl Ketone	ND		0.0046	0.0021	mg/Kg	✱	04/21/21 18:00	04/22/21 14:46	1
Chloroform	ND		0.0019	0.00064	mg/Kg	✱	04/21/21 18:00	04/22/21 14:46	1
1,1,1-Trichloroethane	0.0011	J	0.0019	0.00062	mg/Kg	✱	04/21/21 18:00	04/22/21 14:46	1
Carbon tetrachloride	ND		0.0019	0.00054	mg/Kg	✱	04/21/21 18:00	04/22/21 14:46	1
Benzene	ND		0.0019	0.00047	mg/Kg	✱	04/21/21 18:00	04/22/21 14:46	1
1,2-Dichloroethane	ND		0.0046	0.0014	mg/Kg	✱	04/21/21 18:00	04/22/21 14:46	1
Trichloroethene	ND		0.0019	0.00063	mg/Kg	✱	04/21/21 18:00	04/22/21 14:46	1
1,2-Dichloropropane	ND		0.0019	0.00048	mg/Kg	✱	04/21/21 18:00	04/22/21 14:46	1
Bromodichloromethane	ND		0.0019	0.00038	mg/Kg	✱	04/21/21 18:00	04/22/21 14:46	1
cis-1,3-Dichloropropene	ND		0.0019	0.00056	mg/Kg	✱	04/21/21 18:00	04/22/21 14:46	1
methyl isobutyl ketone	ND		0.0046	0.0014	mg/Kg	✱	04/21/21 18:00	04/22/21 14:46	1
Toluene	ND		0.0019	0.00047	mg/Kg	✱	04/21/21 18:00	04/22/21 14:46	1
trans-1,3-Dichloropropene	ND		0.0019	0.00065	mg/Kg	✱	04/21/21 18:00	04/22/21 14:46	1
1,1,2-Trichloroethane	ND		0.0019	0.00079	mg/Kg	✱	04/21/21 18:00	04/22/21 14:46	1
Tetrachloroethene	0.00075	J	0.0019	0.00063	mg/Kg	✱	04/21/21 18:00	04/22/21 14:46	1
2-Hexanone	ND		0.0046	0.0014	mg/Kg	✱	04/21/21 18:00	04/22/21 14:46	1
Dibromochloromethane	ND		0.0019	0.00061	mg/Kg	✱	04/21/21 18:00	04/22/21 14:46	1
Chlorobenzene	ND		0.0019	0.00068	mg/Kg	✱	04/21/21 18:00	04/22/21 14:46	1
Ethylbenzene	ND		0.0019	0.00089	mg/Kg	✱	04/21/21 18:00	04/22/21 14:46	1
Xylenes, Total	ND		0.0037	0.00059	mg/Kg	✱	04/21/21 18:00	04/22/21 14:46	1
Styrene	ND		0.0019	0.00056	mg/Kg	✱	04/21/21 18:00	04/22/21 14:46	1
Bromoform	ND		0.0019	0.00054	mg/Kg	✱	04/21/21 18:00	04/22/21 14:46	1
1,1,2,2-Tetrachloroethane	ND		0.0019	0.00059	mg/Kg	✱	04/21/21 18:00	04/22/21 14:46	1
1,3-Dichloropropene, Total	ND		0.0019	0.00065	mg/Kg	✱	04/21/21 18:00	04/22/21 14:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		70 - 134	04/21/21 18:00	04/22/21 14:46	1
Toluene-d8 (Surr)	98		75 - 124	04/21/21 18:00	04/22/21 14:46	1
4-Bromofluorobenzene (Surr)	86		75 - 131	04/21/21 18:00	04/22/21 14:46	1
Dibromofluoromethane	99		75 - 126	04/21/21 18:00	04/22/21 14:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.041	0.0063	mg/Kg	✱	04/26/21 08:21	04/26/21 22:19	1
Acenaphthylene	ND		0.041	0.0054	mg/Kg	✱	04/26/21 08:21	04/26/21 22:19	1
Acenaphthene	ND		0.041	0.0074	mg/Kg	✱	04/26/21 08:21	04/26/21 22:19	1
Fluorene	ND		0.041	0.0058	mg/Kg	✱	04/26/21 08:21	04/26/21 22:19	1
Phenanthrene	ND		0.041	0.0057	mg/Kg	✱	04/26/21 08:21	04/26/21 22:19	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: ECS Midwest LLC
 Project/Site: Elgin Mental Health Center SSI(53-3032)

Job ID: 500-197981-1

Client Sample ID: B-5

Lab Sample ID: 500-197981-7

Date Collected: 04/20/21 11:50

Matrix: Solid

Date Received: 04/21/21 13:50

Percent Solids: 79.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		0.041	0.0068	mg/Kg	✱	04/26/21 08:21	04/26/21 22:19	1
Fluoranthene	ND		0.041	0.0076	mg/Kg	✱	04/26/21 08:21	04/26/21 22:19	1
Pyrene	ND		0.041	0.0081	mg/Kg	✱	04/26/21 08:21	04/26/21 22:19	1
Benzo[a]anthracene	ND		0.041	0.0055	mg/Kg	✱	04/26/21 08:21	04/26/21 22:19	1
Chrysene	ND		0.041	0.011	mg/Kg	✱	04/26/21 08:21	04/26/21 22:19	1
Benzo[b]fluoranthene	ND		0.041	0.0088	mg/Kg	✱	04/26/21 08:21	04/26/21 22:19	1
Benzo[k]fluoranthene	ND		0.041	0.012	mg/Kg	✱	04/26/21 08:21	04/26/21 22:19	1
Benzo[a]pyrene	ND		0.041	0.0079	mg/Kg	✱	04/26/21 08:21	04/26/21 22:19	1
Indeno[1,2,3-cd]pyrene	ND		0.041	0.011	mg/Kg	✱	04/26/21 08:21	04/26/21 22:19	1
Dibenz(a,h)anthracene	ND		0.041	0.0079	mg/Kg	✱	04/26/21 08:21	04/26/21 22:19	1
Benzo[g,h,i]perylene	ND		0.041	0.013	mg/Kg	✱	04/26/21 08:21	04/26/21 22:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	73		37 - 147				04/26/21 08:21	04/26/21 22:19	1
2-Fluorobiphenyl	68		43 - 145				04/26/21 08:21	04/26/21 22:19	1
Terphenyl-d14	88		42 - 157				04/26/21 08:21	04/26/21 22:19	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	9.3		1.2	0.42	mg/Kg	✱	04/26/21 17:36	04/27/21 12:13	1
Barium	120	^6+	1.2	0.14	mg/Kg	✱	04/26/21 17:36	04/27/21 12:13	1
Cadmium	0.16	J B	0.25	0.044	mg/Kg	✱	04/26/21 17:36	04/27/21 12:13	1
Chromium	18		1.2	0.61	mg/Kg	✱	04/26/21 17:36	04/27/21 12:13	1
Lead	16		0.61	0.28	mg/Kg	✱	04/26/21 17:36	04/27/21 12:13	1
Selenium	ND		1.2	0.72	mg/Kg	✱	04/26/21 17:36	04/27/21 12:13	1
Silver	0.56	J	0.61	0.16	mg/Kg	✱	04/26/21 17:36	04/27/21 12:13	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.068		0.020	0.0068	mg/Kg	✱	04/26/21 14:00	04/27/21 08:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.0		0.2	0.2	SU			04/26/21 18:31	1

Client Sample Results

Client: ECS Midwest LLC
 Project/Site: Elgin Mental Health Center SSI(53-3032)

Job ID: 500-197981-1

Client Sample ID: B-6

Lab Sample ID: 500-197981-8

Date Collected: 04/20/21 12:30

Matrix: Solid

Date Received: 04/21/21 13:50

Percent Solids: 81.1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.015	0.0086	mg/Kg	✱	04/20/21 12:30	04/27/21 13:29	50
Toluene	ND		0.015	0.0087	mg/Kg	✱	04/20/21 12:30	04/27/21 13:29	50
Ethylbenzene	ND		0.015	0.011	mg/Kg	✱	04/20/21 12:30	04/27/21 13:29	50
Xylenes, Total	ND		0.029	0.013	mg/Kg	✱	04/20/21 12:30	04/27/21 13:29	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		75 - 126	04/20/21 12:30	04/27/21 13:29	50
Toluene-d8 (Surr)	100		75 - 120	04/20/21 12:30	04/27/21 13:29	50
4-Bromofluorobenzene (Surr)	97		72 - 124	04/20/21 12:30	04/27/21 13:29	50
Dibromofluoromethane	109		75 - 120	04/20/21 12:30	04/27/21 13:29	50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	0.030	J	0.040	0.0062	mg/Kg	✱	04/26/21 08:21	04/27/21 00:09	1
Acenaphthylene	0.0053	J	0.040	0.0053	mg/Kg	✱	04/26/21 08:21	04/27/21 00:09	1
Acenaphthene	0.058		0.040	0.0072	mg/Kg	✱	04/26/21 08:21	04/27/21 00:09	1
Fluorene	0.050		0.040	0.0056	mg/Kg	✱	04/26/21 08:21	04/27/21 00:09	1
Phenanthrene	0.62		0.040	0.0056	mg/Kg	✱	04/26/21 08:21	04/27/21 00:09	1
Anthracene	0.14		0.040	0.0067	mg/Kg	✱	04/26/21 08:21	04/27/21 00:09	1
Fluoranthene	0.76		0.040	0.0074	mg/Kg	✱	04/26/21 08:21	04/27/21 00:09	1
Pyrene	0.68		0.040	0.0080	mg/Kg	✱	04/26/21 08:21	04/27/21 00:09	1
Benzo[a]anthracene	0.44		0.040	0.0054	mg/Kg	✱	04/26/21 08:21	04/27/21 00:09	1
Chrysene	0.44		0.040	0.011	mg/Kg	✱	04/26/21 08:21	04/27/21 00:09	1
Benzo[b]fluoranthene	0.46		0.040	0.0087	mg/Kg	✱	04/26/21 08:21	04/27/21 00:09	1
Benzo[k]fluoranthene	0.23		0.040	0.012	mg/Kg	✱	04/26/21 08:21	04/27/21 00:09	1
Benzo[a]pyrene	0.36		0.040	0.0078	mg/Kg	✱	04/26/21 08:21	04/27/21 00:09	1
Indeno[1,2,3-cd]pyrene	0.14		0.040	0.010	mg/Kg	✱	04/26/21 08:21	04/27/21 00:09	1
Dibenz(a,h)anthracene	0.048		0.040	0.0078	mg/Kg	✱	04/26/21 08:21	04/27/21 00:09	1
Benzo[g,h,i]perylene	0.13		0.040	0.013	mg/Kg	✱	04/26/21 08:21	04/27/21 00:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	67		37 - 147	04/26/21 08:21	04/27/21 00:09	1
2-Fluorobiphenyl	61		43 - 145	04/26/21 08:21	04/27/21 00:09	1
Terphenyl-d14	90		42 - 157	04/26/21 08:21	04/27/21 00:09	1

Client Sample Results

Client: ECS Midwest LLC
 Project/Site: Elgin Mental Health Center SSI(53-3032)

Job ID: 500-197981-1

Client Sample ID: B-7

Lab Sample ID: 500-197981-9

Date Collected: 04/20/21 12:40

Matrix: Solid

Date Received: 04/21/21 13:50

Percent Solids: 95.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.012	0.0069	mg/Kg	✱	04/20/21 12:40	04/27/21 13:55	50
Toluene	ND		0.012	0.0069	mg/Kg	✱	04/20/21 12:40	04/27/21 13:55	50
Ethylbenzene	ND		0.012	0.0086	mg/Kg	✱	04/20/21 12:40	04/27/21 13:55	50
Xylenes, Total	ND		0.023	0.010	mg/Kg	✱	04/20/21 12:40	04/27/21 13:55	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		75 - 126	04/20/21 12:40	04/27/21 13:55	50
Toluene-d8 (Surr)	99		75 - 120	04/20/21 12:40	04/27/21 13:55	50
4-Bromofluorobenzene (Surr)	99		72 - 124	04/20/21 12:40	04/27/21 13:55	50
Dibromofluoromethane	110		75 - 120	04/20/21 12:40	04/27/21 13:55	50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.034	0.0053	mg/Kg	✱	04/26/21 08:21	04/26/21 22:41	1
Acenaphthylene	ND		0.034	0.0046	mg/Kg	✱	04/26/21 08:21	04/26/21 22:41	1
Acenaphthene	ND		0.034	0.0062	mg/Kg	✱	04/26/21 08:21	04/26/21 22:41	1
Fluorene	ND		0.034	0.0049	mg/Kg	✱	04/26/21 08:21	04/26/21 22:41	1
Phenanthrene	ND		0.034	0.0048	mg/Kg	✱	04/26/21 08:21	04/26/21 22:41	1
Anthracene	ND		0.034	0.0058	mg/Kg	✱	04/26/21 08:21	04/26/21 22:41	1
Fluoranthene	ND		0.034	0.0064	mg/Kg	✱	04/26/21 08:21	04/26/21 22:41	1
Pyrene	ND		0.034	0.0069	mg/Kg	✱	04/26/21 08:21	04/26/21 22:41	1
Benzo[a]anthracene	ND		0.034	0.0047	mg/Kg	✱	04/26/21 08:21	04/26/21 22:41	1
Chrysene	ND		0.034	0.0095	mg/Kg	✱	04/26/21 08:21	04/26/21 22:41	1
Benzo[b]fluoranthene	ND		0.034	0.0075	mg/Kg	✱	04/26/21 08:21	04/26/21 22:41	1
Benzo[k]fluoranthene	ND		0.034	0.010	mg/Kg	✱	04/26/21 08:21	04/26/21 22:41	1
Benzo[a]pyrene	ND		0.034	0.0067	mg/Kg	✱	04/26/21 08:21	04/26/21 22:41	1
Indeno[1,2,3-cd]pyrene	ND		0.034	0.0090	mg/Kg	✱	04/26/21 08:21	04/26/21 22:41	1
Dibenz(a,h)anthracene	ND		0.034	0.0067	mg/Kg	✱	04/26/21 08:21	04/26/21 22:41	1
Benzo[g,h,i]perylene	ND		0.034	0.011	mg/Kg	✱	04/26/21 08:21	04/26/21 22:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	87		37 - 147	04/26/21 08:21	04/26/21 22:41	1
2-Fluorobiphenyl	75		43 - 145	04/26/21 08:21	04/26/21 22:41	1
Terphenyl-d14	90		42 - 157	04/26/21 08:21	04/26/21 22:41	1

Client Sample Results

Client: ECS Midwest LLC
 Project/Site: Elgin Mental Health Center SSI(53-3032)

Job ID: 500-197981-1

Client Sample ID: B-8

Lab Sample ID: 500-197981-10

Date Collected: 04/20/21 12:50

Matrix: Solid

Date Received: 04/21/21 13:50

Percent Solids: 86.6

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		0.0042	0.0017	mg/Kg	✳	04/21/21 18:00	04/22/21 15:14	1
Vinyl chloride	ND		0.0017	0.00075	mg/Kg	✳	04/21/21 18:00	04/22/21 15:14	1
Bromomethane	ND		0.0042	0.0016	mg/Kg	✳	04/21/21 18:00	04/22/21 15:14	1
Chloroethane	ND		0.0042	0.0013	mg/Kg	✳	04/21/21 18:00	04/22/21 15:14	1
1,1-Dichloroethene	ND		0.0017	0.00058	mg/Kg	✳	04/21/21 18:00	04/22/21 15:14	1
Acetone	ND		0.017	0.0074	mg/Kg	✳	04/21/21 18:00	04/22/21 15:14	1
Carbon disulfide	ND		0.0042	0.00088	mg/Kg	✳	04/21/21 18:00	04/22/21 15:14	1
Methylene Chloride	ND		0.0042	0.0017	mg/Kg	✳	04/21/21 18:00	04/22/21 15:14	1
trans-1,2-Dichloroethene	ND		0.0017	0.00075	mg/Kg	✳	04/21/21 18:00	04/22/21 15:14	1
Methyl tert-butyl ether	ND		0.0017	0.00050	mg/Kg	✳	04/21/21 18:00	04/22/21 15:14	1
1,1-Dichloroethane	ND		0.0017	0.00058	mg/Kg	✳	04/21/21 18:00	04/22/21 15:14	1
cis-1,2-Dichloroethene	ND		0.0017	0.00047	mg/Kg	✳	04/21/21 18:00	04/22/21 15:14	1
Methyl Ethyl Ketone	ND		0.0042	0.0019	mg/Kg	✳	04/21/21 18:00	04/22/21 15:14	1
Chloroform	ND		0.0017	0.00059	mg/Kg	✳	04/21/21 18:00	04/22/21 15:14	1
1,1,1-Trichloroethane	ND		0.0017	0.00057	mg/Kg	✳	04/21/21 18:00	04/22/21 15:14	1
Carbon tetrachloride	ND		0.0017	0.00049	mg/Kg	✳	04/21/21 18:00	04/22/21 15:14	1
Benzene	ND		0.0017	0.00043	mg/Kg	✳	04/21/21 18:00	04/22/21 15:14	1
1,2-Dichloroethane	ND		0.0042	0.0013	mg/Kg	✳	04/21/21 18:00	04/22/21 15:14	1
Trichloroethene	ND		0.0017	0.00057	mg/Kg	✳	04/21/21 18:00	04/22/21 15:14	1
1,2-Dichloropropane	ND		0.0017	0.00044	mg/Kg	✳	04/21/21 18:00	04/22/21 15:14	1
Bromodichloromethane	ND		0.0017	0.00035	mg/Kg	✳	04/21/21 18:00	04/22/21 15:14	1
cis-1,3-Dichloropropene	ND		0.0017	0.00051	mg/Kg	✳	04/21/21 18:00	04/22/21 15:14	1
methyl isobutyl ketone	ND		0.0042	0.0013	mg/Kg	✳	04/21/21 18:00	04/22/21 15:14	1
Toluene	ND		0.0017	0.00043	mg/Kg	✳	04/21/21 18:00	04/22/21 15:14	1
trans-1,3-Dichloropropene	ND		0.0017	0.00060	mg/Kg	✳	04/21/21 18:00	04/22/21 15:14	1
1,1,2-Trichloroethane	ND		0.0017	0.00073	mg/Kg	✳	04/21/21 18:00	04/22/21 15:14	1
Tetrachloroethene	ND		0.0017	0.00058	mg/Kg	✳	04/21/21 18:00	04/22/21 15:14	1
2-Hexanone	ND		0.0042	0.0013	mg/Kg	✳	04/21/21 18:00	04/22/21 15:14	1
Dibromochloromethane	ND		0.0017	0.00056	mg/Kg	✳	04/21/21 18:00	04/22/21 15:14	1
Chlorobenzene	ND		0.0017	0.00063	mg/Kg	✳	04/21/21 18:00	04/22/21 15:14	1
Ethylbenzene	ND		0.0017	0.00081	mg/Kg	✳	04/21/21 18:00	04/22/21 15:14	1
Xylenes, Total	ND		0.0034	0.00054	mg/Kg	✳	04/21/21 18:00	04/22/21 15:14	1
Styrene	ND		0.0017	0.00051	mg/Kg	✳	04/21/21 18:00	04/22/21 15:14	1
Bromoform	ND		0.0017	0.00050	mg/Kg	✳	04/21/21 18:00	04/22/21 15:14	1
1,1,2,2-Tetrachloroethane	ND		0.0017	0.00054	mg/Kg	✳	04/21/21 18:00	04/22/21 15:14	1
1,3-Dichloropropene, Total	ND		0.0017	0.00060	mg/Kg	✳	04/21/21 18:00	04/22/21 15:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		70 - 134	04/21/21 18:00	04/22/21 15:14	1
Toluene-d8 (Surr)	98		75 - 124	04/21/21 18:00	04/22/21 15:14	1
4-Bromofluorobenzene (Surr)	87		75 - 131	04/21/21 18:00	04/22/21 15:14	1
Dibromofluoromethane	104		75 - 126	04/21/21 18:00	04/22/21 15:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	0.0083	J	0.037	0.0057	mg/Kg	✳	04/26/21 08:21	04/27/21 00:31	1
Acenaphthylene	ND		0.037	0.0048	mg/Kg	✳	04/26/21 08:21	04/27/21 00:31	1
Acenaphthene	0.014	J	0.037	0.0066	mg/Kg	✳	04/26/21 08:21	04/27/21 00:31	1
Fluorene	0.014	J	0.037	0.0052	mg/Kg	✳	04/26/21 08:21	04/27/21 00:31	1
Phenanthrene	0.11		0.037	0.0051	mg/Kg	✳	04/26/21 08:21	04/27/21 00:31	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: ECS Midwest LLC
 Project/Site: Elgin Mental Health Center SSI(53-3032)

Job ID: 500-197981-1

Client Sample ID: B-8

Lab Sample ID: 500-197981-10

Date Collected: 04/20/21 12:50

Matrix: Solid

Date Received: 04/21/21 13:50

Percent Solids: 86.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	0.029	J	0.037	0.0061	mg/Kg	✳	04/26/21 08:21	04/27/21 00:31	1
Fluoranthene	0.12		0.037	0.0068	mg/Kg	✳	04/26/21 08:21	04/27/21 00:31	1
Pyrene	0.11		0.037	0.0073	mg/Kg	✳	04/26/21 08:21	04/27/21 00:31	1
Benzo[a]anthracene	0.068		0.037	0.0049	mg/Kg	✳	04/26/21 08:21	04/27/21 00:31	1
Chrysene	0.069		0.037	0.010	mg/Kg	✳	04/26/21 08:21	04/27/21 00:31	1
Benzo[b]fluoranthene	0.076		0.037	0.0079	mg/Kg	✳	04/26/21 08:21	04/27/21 00:31	1
Benzo[k]fluoranthene	0.028	J	0.037	0.011	mg/Kg	✳	04/26/21 08:21	04/27/21 00:31	1
Benzo[a]pyrene	0.061		0.037	0.0071	mg/Kg	✳	04/26/21 08:21	04/27/21 00:31	1
Indeno[1,2,3-cd]pyrene	0.025	J	0.037	0.0095	mg/Kg	✳	04/26/21 08:21	04/27/21 00:31	1
Dibenz(a,h)anthracene	ND		0.037	0.0071	mg/Kg	✳	04/26/21 08:21	04/27/21 00:31	1
Benzo[g,h,i]perylene	0.025	J	0.037	0.012	mg/Kg	✳	04/26/21 08:21	04/27/21 00:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	83		37 - 147				04/26/21 08:21	04/27/21 00:31	1
2-Fluorobiphenyl	79		43 - 145				04/26/21 08:21	04/27/21 00:31	1
Terphenyl-d14	96		42 - 157				04/26/21 08:21	04/27/21 00:31	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	9.2		1.1	0.38	mg/Kg	✳	04/26/21 17:36	04/27/21 12:23	1
Barium	100	^6+	1.1	0.13	mg/Kg	✳	04/26/21 17:36	04/27/21 12:23	1
Cadmium	0.17	J B	0.22	0.040	mg/Kg	✳	04/26/21 17:36	04/27/21 12:23	1
Chromium	14		1.1	0.55	mg/Kg	✳	04/26/21 17:36	04/27/21 12:23	1
Lead	27		0.56	0.26	mg/Kg	✳	04/26/21 17:36	04/27/21 12:23	1
Selenium	ND		1.1	0.65	mg/Kg	✳	04/26/21 17:36	04/27/21 12:23	1
Silver	0.35	J	0.56	0.14	mg/Kg	✳	04/26/21 17:36	04/27/21 12:23	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.044		0.017	0.0058	mg/Kg	✳	04/26/21 14:00	04/27/21 08:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.2		0.2	0.2	SU			04/26/21 18:33	1

Client Sample Results

Client: ECS Midwest LLC
 Project/Site: Elgin Mental Health Center SSI(53-3032)

Job ID: 500-197981-1

Client Sample ID: B-9

Lab Sample ID: 500-197981-11

Date Collected: 04/20/21 13:00

Matrix: Solid

Date Received: 04/21/21 13:50

Percent Solids: 80.0

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		0.0050	0.0020	mg/Kg	✱	04/21/21 18:00	04/22/21 15:40	1
Vinyl chloride	ND		0.0020	0.00089	mg/Kg	✱	04/21/21 18:00	04/22/21 15:40	1
Bromomethane	ND		0.0050	0.0019	mg/Kg	✱	04/21/21 18:00	04/22/21 15:40	1
Chloroethane	ND		0.0050	0.0015	mg/Kg	✱	04/21/21 18:00	04/22/21 15:40	1
1,1-Dichloroethene	ND		0.0020	0.00069	mg/Kg	✱	04/21/21 18:00	04/22/21 15:40	1
Acetone	ND		0.020	0.0087	mg/Kg	✱	04/21/21 18:00	04/22/21 15:40	1
Carbon disulfide	ND		0.0050	0.0010	mg/Kg	✱	04/21/21 18:00	04/22/21 15:40	1
Methylene Chloride	ND		0.0050	0.0020	mg/Kg	✱	04/21/21 18:00	04/22/21 15:40	1
trans-1,2-Dichloroethene	ND		0.0020	0.00089	mg/Kg	✱	04/21/21 18:00	04/22/21 15:40	1
Methyl tert-butyl ether	ND		0.0020	0.00059	mg/Kg	✱	04/21/21 18:00	04/22/21 15:40	1
1,1-Dichloroethane	ND		0.0020	0.00069	mg/Kg	✱	04/21/21 18:00	04/22/21 15:40	1
cis-1,2-Dichloroethene	ND		0.0020	0.00056	mg/Kg	✱	04/21/21 18:00	04/22/21 15:40	1
Methyl Ethyl Ketone	ND		0.0050	0.0022	mg/Kg	✱	04/21/21 18:00	04/22/21 15:40	1
Chloroform	ND		0.0020	0.00070	mg/Kg	✱	04/21/21 18:00	04/22/21 15:40	1
1,1,1-Trichloroethane	ND		0.0020	0.00067	mg/Kg	✱	04/21/21 18:00	04/22/21 15:40	1
Carbon tetrachloride	ND		0.0020	0.00058	mg/Kg	✱	04/21/21 18:00	04/22/21 15:40	1
Benzene	ND		0.0020	0.00051	mg/Kg	✱	04/21/21 18:00	04/22/21 15:40	1
1,2-Dichloroethane	ND		0.0050	0.0016	mg/Kg	✱	04/21/21 18:00	04/22/21 15:40	1
Trichloroethene	ND		0.0020	0.00068	mg/Kg	✱	04/21/21 18:00	04/22/21 15:40	1
1,2-Dichloropropane	ND		0.0020	0.00052	mg/Kg	✱	04/21/21 18:00	04/22/21 15:40	1
Bromodichloromethane	ND		0.0020	0.00041	mg/Kg	✱	04/21/21 18:00	04/22/21 15:40	1
cis-1,3-Dichloropropene	ND		0.0020	0.00060	mg/Kg	✱	04/21/21 18:00	04/22/21 15:40	1
methyl isobutyl ketone	ND		0.0050	0.0015	mg/Kg	✱	04/21/21 18:00	04/22/21 15:40	1
Toluene	ND		0.0020	0.00051	mg/Kg	✱	04/21/21 18:00	04/22/21 15:40	1
trans-1,3-Dichloropropene	ND		0.0020	0.00070	mg/Kg	✱	04/21/21 18:00	04/22/21 15:40	1
1,1,2-Trichloroethane	ND		0.0020	0.00086	mg/Kg	✱	04/21/21 18:00	04/22/21 15:40	1
Tetrachloroethene	ND		0.0020	0.00068	mg/Kg	✱	04/21/21 18:00	04/22/21 15:40	1
2-Hexanone	ND		0.0050	0.0016	mg/Kg	✱	04/21/21 18:00	04/22/21 15:40	1
Dibromochloromethane	ND		0.0020	0.00066	mg/Kg	✱	04/21/21 18:00	04/22/21 15:40	1
Chlorobenzene	ND		0.0020	0.00074	mg/Kg	✱	04/21/21 18:00	04/22/21 15:40	1
Ethylbenzene	ND		0.0020	0.00096	mg/Kg	✱	04/21/21 18:00	04/22/21 15:40	1
Xylenes, Total	ND		0.0040	0.00064	mg/Kg	✱	04/21/21 18:00	04/22/21 15:40	1
Styrene	ND		0.0020	0.00061	mg/Kg	✱	04/21/21 18:00	04/22/21 15:40	1
Bromoform	ND		0.0020	0.00059	mg/Kg	✱	04/21/21 18:00	04/22/21 15:40	1
1,1,2,2-Tetrachloroethane	ND		0.0020	0.00064	mg/Kg	✱	04/21/21 18:00	04/22/21 15:40	1
1,3-Dichloropropene, Total	ND		0.0020	0.00070	mg/Kg	✱	04/21/21 18:00	04/22/21 15:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		70 - 134	04/21/21 18:00	04/22/21 15:40	1
Toluene-d8 (Surr)	94		75 - 124	04/21/21 18:00	04/22/21 15:40	1
4-Bromofluorobenzene (Surr)	82		75 - 131	04/21/21 18:00	04/22/21 15:40	1
Dibromofluoromethane	106		75 - 126	04/21/21 18:00	04/22/21 15:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.041	0.0063	mg/Kg	✱	04/26/21 08:21	04/26/21 23:03	1
Acenaphthylene	ND		0.041	0.0054	mg/Kg	✱	04/26/21 08:21	04/26/21 23:03	1
Acenaphthene	ND		0.041	0.0074	mg/Kg	✱	04/26/21 08:21	04/26/21 23:03	1
Fluorene	ND		0.041	0.0058	mg/Kg	✱	04/26/21 08:21	04/26/21 23:03	1
Phenanthrene	ND		0.041	0.0057	mg/Kg	✱	04/26/21 08:21	04/26/21 23:03	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: ECS Midwest LLC
 Project/Site: Elgin Mental Health Center SSI(53-3032)

Job ID: 500-197981-1

Client Sample ID: B-9

Lab Sample ID: 500-197981-11

Date Collected: 04/20/21 13:00

Matrix: Solid

Date Received: 04/21/21 13:50

Percent Solids: 80.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		0.041	0.0068	mg/Kg	✱	04/26/21 08:21	04/26/21 23:03	1
Fluoranthene	ND		0.041	0.0076	mg/Kg	✱	04/26/21 08:21	04/26/21 23:03	1
Pyrene	ND		0.041	0.0081	mg/Kg	✱	04/26/21 08:21	04/26/21 23:03	1
Benzo[a]anthracene	ND		0.041	0.0055	mg/Kg	✱	04/26/21 08:21	04/26/21 23:03	1
Chrysene	ND		0.041	0.011	mg/Kg	✱	04/26/21 08:21	04/26/21 23:03	1
Benzo[b]fluoranthene	ND		0.041	0.0088	mg/Kg	✱	04/26/21 08:21	04/26/21 23:03	1
Benzo[k]fluoranthene	ND		0.041	0.012	mg/Kg	✱	04/26/21 08:21	04/26/21 23:03	1
Benzo[a]pyrene	ND		0.041	0.0079	mg/Kg	✱	04/26/21 08:21	04/26/21 23:03	1
Indeno[1,2,3-cd]pyrene	ND		0.041	0.011	mg/Kg	✱	04/26/21 08:21	04/26/21 23:03	1
Dibenz(a,h)anthracene	ND		0.041	0.0079	mg/Kg	✱	04/26/21 08:21	04/26/21 23:03	1
Benzo[g,h,i]perylene	ND		0.041	0.013	mg/Kg	✱	04/26/21 08:21	04/26/21 23:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	71		37 - 147				04/26/21 08:21	04/26/21 23:03	1
2-Fluorobiphenyl	67		43 - 145				04/26/21 08:21	04/26/21 23:03	1
Terphenyl-d14	89		42 - 157				04/26/21 08:21	04/26/21 23:03	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	7.2		1.2	0.43	mg/Kg	✱	04/26/21 17:36	04/27/21 12:26	1
Barium	150	^6+	1.2	0.14	mg/Kg	✱	04/26/21 17:36	04/27/21 12:26	1
Cadmium	0.13	J B	0.25	0.045	mg/Kg	✱	04/26/21 17:36	04/27/21 12:26	1
Chromium	17		1.2	0.62	mg/Kg	✱	04/26/21 17:36	04/27/21 12:26	1
Lead	17		0.62	0.29	mg/Kg	✱	04/26/21 17:36	04/27/21 12:26	1
Selenium	ND		1.2	0.73	mg/Kg	✱	04/26/21 17:36	04/27/21 12:26	1
Silver	0.43	J	0.62	0.16	mg/Kg	✱	04/26/21 17:36	04/27/21 12:26	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.042		0.020	0.0066	mg/Kg	✱	04/26/21 14:00	04/27/21 08:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.7		0.2	0.2	SU			04/26/21 18:36	1

Client Sample Results

Client: ECS Midwest LLC
 Project/Site: Elgin Mental Health Center SSI(53-3032)

Job ID: 500-197981-1

Client Sample ID: B-9 Deep

Lab Sample ID: 500-197981-12

Date Collected: 04/20/21 13:10

Matrix: Solid

Date Received: 04/21/21 13:50

Percent Solids: 95.6

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		0.0048	0.0019	mg/Kg	✳	04/21/21 18:00	04/23/21 13:59	1
Vinyl chloride	ND		0.0019	0.00084	mg/Kg	✳	04/21/21 18:00	04/23/21 13:59	1
Bromomethane	ND		0.0048	0.0018	mg/Kg	✳	04/21/21 18:00	04/23/21 13:59	1
Chloroethane	ND		0.0048	0.0014	mg/Kg	✳	04/21/21 18:00	04/23/21 13:59	1
1,1-Dichloroethene	ND		0.0019	0.00065	mg/Kg	✳	04/21/21 18:00	04/23/21 13:59	1
Acetone	ND		0.019	0.0083	mg/Kg	✳	04/21/21 18:00	04/23/21 13:59	1
Carbon disulfide	ND		0.0048	0.00099	mg/Kg	✳	04/21/21 18:00	04/23/21 13:59	1
Methylene Chloride	0.0022	J	0.0048	0.0019	mg/Kg	✳	04/21/21 18:00	04/23/21 13:59	1
trans-1,2-Dichloroethene	ND		0.0019	0.00084	mg/Kg	✳	04/21/21 18:00	04/23/21 13:59	1
Methyl tert-butyl ether	ND		0.0019	0.00056	mg/Kg	✳	04/21/21 18:00	04/23/21 13:59	1
1,1-Dichloroethane	ND		0.0019	0.00065	mg/Kg	✳	04/21/21 18:00	04/23/21 13:59	1
cis-1,2-Dichloroethene	ND		0.0019	0.00053	mg/Kg	✳	04/21/21 18:00	04/23/21 13:59	1
Methyl Ethyl Ketone	ND		0.0048	0.0021	mg/Kg	✳	04/21/21 18:00	04/23/21 13:59	1
Chloroform	ND		0.0019	0.00066	mg/Kg	✳	04/21/21 18:00	04/23/21 13:59	1
1,1,1-Trichloroethane	0.0020		0.0019	0.00064	mg/Kg	✳	04/21/21 18:00	04/23/21 13:59	1
Carbon tetrachloride	ND		0.0019	0.00055	mg/Kg	✳	04/21/21 18:00	04/23/21 13:59	1
Benzene	ND		0.0019	0.00049	mg/Kg	✳	04/21/21 18:00	04/23/21 13:59	1
1,2-Dichloroethane	ND		0.0048	0.0015	mg/Kg	✳	04/21/21 18:00	04/23/21 13:59	1
Trichloroethene	ND		0.0019	0.00064	mg/Kg	✳	04/21/21 18:00	04/23/21 13:59	1
1,2-Dichloropropane	ND		0.0019	0.00049	mg/Kg	✳	04/21/21 18:00	04/23/21 13:59	1
Bromodichloromethane	ND		0.0019	0.00039	mg/Kg	✳	04/21/21 18:00	04/23/21 13:59	1
cis-1,3-Dichloropropene	ND		0.0019	0.00057	mg/Kg	✳	04/21/21 18:00	04/23/21 13:59	1
methyl isobutyl ketone	ND		0.0048	0.0014	mg/Kg	✳	04/21/21 18:00	04/23/21 13:59	1
Toluene	ND		0.0019	0.00048	mg/Kg	✳	04/21/21 18:00	04/23/21 13:59	1
trans-1,3-Dichloropropene	ND		0.0019	0.00067	mg/Kg	✳	04/21/21 18:00	04/23/21 13:59	1
1,1,2-Trichloroethane	ND		0.0019	0.00082	mg/Kg	✳	04/21/21 18:00	04/23/21 13:59	1
Tetrachloroethene	0.00072	J	0.0019	0.00065	mg/Kg	✳	04/21/21 18:00	04/23/21 13:59	1
2-Hexanone	ND		0.0048	0.0015	mg/Kg	✳	04/21/21 18:00	04/23/21 13:59	1
Dibromochloromethane	ND		0.0019	0.00062	mg/Kg	✳	04/21/21 18:00	04/23/21 13:59	1
Chlorobenzene	ND		0.0019	0.00070	mg/Kg	✳	04/21/21 18:00	04/23/21 13:59	1
Ethylbenzene	ND		0.0019	0.00091	mg/Kg	✳	04/21/21 18:00	04/23/21 13:59	1
Xylenes, Total	ND		0.0038	0.00061	mg/Kg	✳	04/21/21 18:00	04/23/21 13:59	1
Styrene	ND		0.0019	0.00057	mg/Kg	✳	04/21/21 18:00	04/23/21 13:59	1
Bromoform	ND		0.0019	0.00056	mg/Kg	✳	04/21/21 18:00	04/23/21 13:59	1
1,1,2,2-Tetrachloroethane	ND		0.0019	0.00061	mg/Kg	✳	04/21/21 18:00	04/23/21 13:59	1
1,3-Dichloropropene, Total	ND		0.0019	0.00067	mg/Kg	✳	04/21/21 18:00	04/23/21 13:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		70 - 134	04/21/21 18:00	04/23/21 13:59	1
Toluene-d8 (Surr)	98		75 - 124	04/21/21 18:00	04/23/21 13:59	1
4-Bromofluorobenzene (Surr)	86		75 - 131	04/21/21 18:00	04/23/21 13:59	1
Dibromofluoromethane	97		75 - 126	04/21/21 18:00	04/23/21 13:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.034	0.0053	mg/Kg	✳	04/26/21 08:21	04/26/21 23:25	1
Acenaphthylene	ND		0.034	0.0045	mg/Kg	✳	04/26/21 08:21	04/26/21 23:25	1
Acenaphthene	ND		0.034	0.0062	mg/Kg	✳	04/26/21 08:21	04/26/21 23:25	1
Fluorene	ND		0.034	0.0048	mg/Kg	✳	04/26/21 08:21	04/26/21 23:25	1
Phenanthrene	ND		0.034	0.0048	mg/Kg	✳	04/26/21 08:21	04/26/21 23:25	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: ECS Midwest LLC
 Project/Site: Elgin Mental Health Center SSI(53-3032)

Job ID: 500-197981-1

Client Sample ID: B-9 Deep

Lab Sample ID: 500-197981-12

Date Collected: 04/20/21 13:10

Matrix: Solid

Date Received: 04/21/21 13:50

Percent Solids: 95.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		0.034	0.0058	mg/Kg	✳	04/26/21 08:21	04/26/21 23:25	1
Fluoranthene	ND		0.034	0.0064	mg/Kg	✳	04/26/21 08:21	04/26/21 23:25	1
Pyrene	ND		0.034	0.0068	mg/Kg	✳	04/26/21 08:21	04/26/21 23:25	1
Benzo[a]anthracene	ND		0.034	0.0046	mg/Kg	✳	04/26/21 08:21	04/26/21 23:25	1
Chrysene	ND		0.034	0.0094	mg/Kg	✳	04/26/21 08:21	04/26/21 23:25	1
Benzo[b]fluoranthene	ND		0.034	0.0074	mg/Kg	✳	04/26/21 08:21	04/26/21 23:25	1
Benzo[k]fluoranthene	ND		0.034	0.010	mg/Kg	✳	04/26/21 08:21	04/26/21 23:25	1
Benzo[a]pyrene	ND		0.034	0.0067	mg/Kg	✳	04/26/21 08:21	04/26/21 23:25	1
Indeno[1,2,3-cd]pyrene	ND		0.034	0.0089	mg/Kg	✳	04/26/21 08:21	04/26/21 23:25	1
Dibenz(a,h)anthracene	ND		0.034	0.0067	mg/Kg	✳	04/26/21 08:21	04/26/21 23:25	1
Benzo[g,h,i]perylene	ND		0.034	0.011	mg/Kg	✳	04/26/21 08:21	04/26/21 23:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	72		37 - 147				04/26/21 08:21	04/26/21 23:25	1
2-Fluorobiphenyl	67		43 - 145				04/26/21 08:21	04/26/21 23:25	1
Terphenyl-d14	83		42 - 157				04/26/21 08:21	04/26/21 23:25	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.9		1.0	0.34	mg/Kg	✳	04/26/21 17:36	04/27/21 12:30	1
Barium	16	^6+	1.0	0.11	mg/Kg	✳	04/26/21 17:36	04/27/21 12:30	1
Cadmium	0.11	J B	0.20	0.036	mg/Kg	✳	04/26/21 17:36	04/27/21 12:30	1
Chromium	4.9		1.0	0.49	mg/Kg	✳	04/26/21 17:36	04/27/21 12:30	1
Lead	7.5		0.50	0.23	mg/Kg	✳	04/26/21 17:36	04/27/21 12:30	1
Selenium	ND		1.0	0.59	mg/Kg	✳	04/26/21 17:36	04/27/21 12:30	1
Silver	ND		0.50	0.13	mg/Kg	✳	04/26/21 17:36	04/27/21 12:30	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0055	J	0.016	0.0053	mg/Kg	✳	04/26/21 14:00	04/27/21 08:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.8		0.2	0.2	SU			04/26/21 18:39	1

Client Sample Results

Client: ECS Midwest LLC
 Project/Site: Elgin Mental Health Center SSI(53-3032)

Job ID: 500-197981-1

Client Sample ID: B-10

Lab Sample ID: 500-197981-13

Date Collected: 04/20/21 13:20

Matrix: Solid

Date Received: 04/21/21 13:50

Percent Solids: 79.1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		0.0048	0.0019	mg/Kg	✱	04/21/21 18:00	04/23/21 14:25	1
Vinyl chloride	ND		0.0019	0.00086	mg/Kg	✱	04/21/21 18:00	04/23/21 14:25	1
Bromomethane	ND		0.0048	0.0018	mg/Kg	✱	04/21/21 18:00	04/23/21 14:25	1
Chloroethane	ND		0.0048	0.0014	mg/Kg	✱	04/21/21 18:00	04/23/21 14:25	1
1,1-Dichloroethene	ND		0.0019	0.00067	mg/Kg	✱	04/21/21 18:00	04/23/21 14:25	1
Acetone	ND		0.019	0.0084	mg/Kg	✱	04/21/21 18:00	04/23/21 14:25	1
Carbon disulfide	ND		0.0048	0.0010	mg/Kg	✱	04/21/21 18:00	04/23/21 14:25	1
Methylene Chloride	0.0024	J	0.0048	0.0019	mg/Kg	✱	04/21/21 18:00	04/23/21 14:25	1
trans-1,2-Dichloroethene	ND		0.0019	0.00086	mg/Kg	✱	04/21/21 18:00	04/23/21 14:25	1
Methyl tert-butyl ether	ND		0.0019	0.00057	mg/Kg	✱	04/21/21 18:00	04/23/21 14:25	1
1,1-Dichloroethane	ND		0.0019	0.00066	mg/Kg	✱	04/21/21 18:00	04/23/21 14:25	1
cis-1,2-Dichloroethene	ND		0.0019	0.00054	mg/Kg	✱	04/21/21 18:00	04/23/21 14:25	1
Methyl Ethyl Ketone	ND		0.0048	0.0022	mg/Kg	✱	04/21/21 18:00	04/23/21 14:25	1
Chloroform	ND		0.0019	0.00067	mg/Kg	✱	04/21/21 18:00	04/23/21 14:25	1
1,1,1-Trichloroethane	0.0011	J	0.0019	0.00065	mg/Kg	✱	04/21/21 18:00	04/23/21 14:25	1
Carbon tetrachloride	ND		0.0019	0.00056	mg/Kg	✱	04/21/21 18:00	04/23/21 14:25	1
Benzene	ND		0.0019	0.00049	mg/Kg	✱	04/21/21 18:00	04/23/21 14:25	1
1,2-Dichloroethane	ND		0.0048	0.0015	mg/Kg	✱	04/21/21 18:00	04/23/21 14:25	1
Trichloroethene	ND		0.0019	0.00066	mg/Kg	✱	04/21/21 18:00	04/23/21 14:25	1
1,2-Dichloropropane	ND		0.0019	0.00050	mg/Kg	✱	04/21/21 18:00	04/23/21 14:25	1
Bromodichloromethane	ND		0.0019	0.00039	mg/Kg	✱	04/21/21 18:00	04/23/21 14:25	1
cis-1,3-Dichloropropene	ND		0.0019	0.00058	mg/Kg	✱	04/21/21 18:00	04/23/21 14:25	1
methyl isobutyl ketone	ND		0.0048	0.0014	mg/Kg	✱	04/21/21 18:00	04/23/21 14:25	1
Toluene	ND		0.0019	0.00049	mg/Kg	✱	04/21/21 18:00	04/23/21 14:25	1
trans-1,3-Dichloropropene	ND		0.0019	0.00068	mg/Kg	✱	04/21/21 18:00	04/23/21 14:25	1
1,1,2-Trichloroethane	ND		0.0019	0.00083	mg/Kg	✱	04/21/21 18:00	04/23/21 14:25	1
Tetrachloroethene	ND		0.0019	0.00066	mg/Kg	✱	04/21/21 18:00	04/23/21 14:25	1
2-Hexanone	ND		0.0048	0.0015	mg/Kg	✱	04/21/21 18:00	04/23/21 14:25	1
Dibromochloromethane	ND		0.0019	0.00063	mg/Kg	✱	04/21/21 18:00	04/23/21 14:25	1
Chlorobenzene	ND		0.0019	0.00072	mg/Kg	✱	04/21/21 18:00	04/23/21 14:25	1
Ethylbenzene	ND		0.0019	0.00093	mg/Kg	✱	04/21/21 18:00	04/23/21 14:25	1
Xylenes, Total	ND		0.0039	0.00062	mg/Kg	✱	04/21/21 18:00	04/23/21 14:25	1
Styrene	ND		0.0019	0.00059	mg/Kg	✱	04/21/21 18:00	04/23/21 14:25	1
Bromoform	ND		0.0019	0.00057	mg/Kg	✱	04/21/21 18:00	04/23/21 14:25	1
1,1,2,2-Tetrachloroethane	ND		0.0019	0.00062	mg/Kg	✱	04/21/21 18:00	04/23/21 14:25	1
1,3-Dichloropropene, Total	ND		0.0019	0.00068	mg/Kg	✱	04/21/21 18:00	04/23/21 14:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		70 - 134	04/21/21 18:00	04/23/21 14:25	1
Toluene-d8 (Surr)	98		75 - 124	04/21/21 18:00	04/23/21 14:25	1
4-Bromofluorobenzene (Surr)	86		75 - 131	04/21/21 18:00	04/23/21 14:25	1
Dibromofluoromethane	99		75 - 126	04/21/21 18:00	04/23/21 14:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.041	0.0064	mg/Kg	✱	04/26/21 08:21	04/26/21 23:47	1
Acenaphthylene	ND		0.041	0.0055	mg/Kg	✱	04/26/21 08:21	04/26/21 23:47	1
Acenaphthene	ND		0.041	0.0075	mg/Kg	✱	04/26/21 08:21	04/26/21 23:47	1
Fluorene	ND		0.041	0.0059	mg/Kg	✱	04/26/21 08:21	04/26/21 23:47	1
Phenanthrene	ND		0.041	0.0058	mg/Kg	✱	04/26/21 08:21	04/26/21 23:47	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: ECS Midwest LLC
 Project/Site: Elgin Mental Health Center SSI(53-3032)

Job ID: 500-197981-1

Client Sample ID: B-10

Lab Sample ID: 500-197981-13

Date Collected: 04/20/21 13:20

Matrix: Solid

Date Received: 04/21/21 13:50

Percent Solids: 79.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		0.041	0.0070	mg/Kg	✱	04/26/21 08:21	04/26/21 23:47	1
Fluoranthene	ND		0.041	0.0077	mg/Kg	✱	04/26/21 08:21	04/26/21 23:47	1
Pyrene	ND		0.041	0.0083	mg/Kg	✱	04/26/21 08:21	04/26/21 23:47	1
Benzo[a]anthracene	ND		0.041	0.0056	mg/Kg	✱	04/26/21 08:21	04/26/21 23:47	1
Chrysene	ND		0.041	0.011	mg/Kg	✱	04/26/21 08:21	04/26/21 23:47	1
Benzo[b]fluoranthene	ND		0.041	0.0090	mg/Kg	✱	04/26/21 08:21	04/26/21 23:47	1
Benzo[k]fluoranthene	ND		0.041	0.012	mg/Kg	✱	04/26/21 08:21	04/26/21 23:47	1
Benzo[a]pyrene	ND		0.041	0.0081	mg/Kg	✱	04/26/21 08:21	04/26/21 23:47	1
Indeno[1,2,3-cd]pyrene	ND		0.041	0.011	mg/Kg	✱	04/26/21 08:21	04/26/21 23:47	1
Dibenz(a,h)anthracene	ND		0.041	0.0080	mg/Kg	✱	04/26/21 08:21	04/26/21 23:47	1
Benzo[g,h,i]perylene	ND		0.041	0.013	mg/Kg	✱	04/26/21 08:21	04/26/21 23:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	75		37 - 147				04/26/21 08:21	04/26/21 23:47	1
2-Fluorobiphenyl	71		43 - 145				04/26/21 08:21	04/26/21 23:47	1
Terphenyl-d14	83		42 - 157				04/26/21 08:21	04/26/21 23:47	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	9.8		1.2	0.41	mg/Kg	✱	04/26/21 17:36	04/27/21 12:33	1
Barium	100	^6+	1.2	0.14	mg/Kg	✱	04/26/21 17:36	04/27/21 12:33	1
Cadmium	0.26	B	0.24	0.043	mg/Kg	✱	04/26/21 17:36	04/27/21 12:33	1
Chromium	15		1.2	0.60	mg/Kg	✱	04/26/21 17:36	04/27/21 12:33	1
Lead	12		0.60	0.28	mg/Kg	✱	04/26/21 17:36	04/27/21 12:33	1
Selenium	ND		1.2	0.71	mg/Kg	✱	04/26/21 17:36	04/27/21 12:33	1
Silver	0.34	J	0.60	0.16	mg/Kg	✱	04/26/21 17:36	04/27/21 12:33	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.030		0.020	0.0066	mg/Kg	✱	04/26/21 14:00	04/27/21 08:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.3		0.2	0.2	SU			04/26/21 18:41	1

Definitions/Glossary

Client: ECS Midwest LLC
Project/Site: Elgin Mental Health Center SSI(53-3032)

Job ID: 500-197981-1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

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

Metals

Qualifier	Qualifier Description
^6+	Interference Check Standard (ICSA and/or ICSAB) 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.

Glossary

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

QC Association Summary

Client: ECS Midwest LLC
 Project/Site: Elgin Mental Health Center SSI(53-3032)

Job ID: 500-197981-1

GC/MS VOA

Prep Batch: 594462

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-197981-2	B-2	Total/NA	Solid	5035	
500-197981-5	B-4	Total/NA	Solid	5035	
500-197981-6	B-4 Deep	Total/NA	Solid	5035	
500-197981-8	B-6	Total/NA	Solid	5035	
500-197981-9	B-7	Total/NA	Solid	5035	

Prep Batch: 594482

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-197981-1	B-1	Total/NA	Solid	5035	
500-197981-3	B-3 Deep	Total/NA	Solid	5035	
500-197981-4	B-3	Total/NA	Solid	5035	
500-197981-7	B-5	Total/NA	Solid	5035	
500-197981-10	B-8	Total/NA	Solid	5035	
500-197981-11	B-9	Total/NA	Solid	5035	
500-197981-12	B-9 Deep	Total/NA	Solid	5035	
500-197981-13	B-10	Total/NA	Solid	5035	

Analysis Batch: 594493

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-197981-1	B-1	Total/NA	Solid	8260B	594482
500-197981-3	B-3 Deep	Total/NA	Solid	8260B	594482
500-197981-4	B-3	Total/NA	Solid	8260B	594482
500-197981-7	B-5	Total/NA	Solid	8260B	594482
500-197981-10	B-8	Total/NA	Solid	8260B	594482
500-197981-11	B-9	Total/NA	Solid	8260B	594482
MB 500-594493/7	Method Blank	Total/NA	Solid	8260B	
LCS 500-594493/4	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 500-594493/5	Lab Control Sample Dup	Total/NA	Solid	8260B	

Analysis Batch: 594733

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-197981-12	B-9 Deep	Total/NA	Solid	8260B	594482
500-197981-13	B-10	Total/NA	Solid	8260B	594482
MB 500-594733/7	Method Blank	Total/NA	Solid	8260B	
LCS 500-594733/4	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 500-594733/5	Lab Control Sample Dup	Total/NA	Solid	8260B	

Analysis Batch: 595316

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-197981-2	B-2	Total/NA	Solid	8260B	594462
500-197981-5	B-4	Total/NA	Solid	8260B	594462
500-197981-6	B-4 Deep	Total/NA	Solid	8260B	594462
500-197981-8	B-6	Total/NA	Solid	8260B	594462
500-197981-9	B-7	Total/NA	Solid	8260B	594462
MB 500-595316/6	Method Blank	Total/NA	Solid	8260B	
LCS 500-595316/4	Lab Control Sample	Total/NA	Solid	8260B	

QC Association Summary

Client: ECS Midwest LLC
 Project/Site: Elgin Mental Health Center SSI(53-3032)

Job ID: 500-197981-1

GC/MS Semi VOA

Prep Batch: 595134

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-197981-1	B-1	Total/NA	Solid	3541	
500-197981-2	B-2	Total/NA	Solid	3541	
500-197981-3	B-3 Deep	Total/NA	Solid	3541	
500-197981-4	B-3	Total/NA	Solid	3541	
500-197981-5	B-4	Total/NA	Solid	3541	
500-197981-6	B-4 Deep	Total/NA	Solid	3541	
500-197981-7	B-5	Total/NA	Solid	3541	
500-197981-8	B-6	Total/NA	Solid	3541	
500-197981-9	B-7	Total/NA	Solid	3541	
500-197981-10	B-8	Total/NA	Solid	3541	
500-197981-11	B-9	Total/NA	Solid	3541	
500-197981-12	B-9 Deep	Total/NA	Solid	3541	
500-197981-13	B-10	Total/NA	Solid	3541	
MB 500-595134/1-A	Method Blank	Total/NA	Solid	3541	
LCS 500-595134/2-A	Lab Control Sample	Total/NA	Solid	3541	

Analysis Batch: 595265

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-197981-2	B-2	Total/NA	Solid	8270D	595134
500-197981-3	B-3 Deep	Total/NA	Solid	8270D	595134
500-197981-4	B-3	Total/NA	Solid	8270D	595134
500-197981-5	B-4	Total/NA	Solid	8270D	595134
500-197981-6	B-4 Deep	Total/NA	Solid	8270D	595134
500-197981-7	B-5	Total/NA	Solid	8270D	595134
500-197981-8	B-6	Total/NA	Solid	8270D	595134
500-197981-9	B-7	Total/NA	Solid	8270D	595134
500-197981-10	B-8	Total/NA	Solid	8270D	595134
500-197981-11	B-9	Total/NA	Solid	8270D	595134
500-197981-12	B-9 Deep	Total/NA	Solid	8270D	595134
500-197981-13	B-10	Total/NA	Solid	8270D	595134
MB 500-595134/1-A	Method Blank	Total/NA	Solid	8270D	595134
LCS 500-595134/2-A	Lab Control Sample	Total/NA	Solid	8270D	595134

Analysis Batch: 595380

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-197981-1	B-1	Total/NA	Solid	8270D	595134

Metals

Prep Batch: 595202

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-197981-1	B-1	Total/NA	Solid	7471B	
500-197981-3	B-3 Deep	Total/NA	Solid	7471B	
500-197981-4	B-3	Total/NA	Solid	7471B	
500-197981-7	B-5	Total/NA	Solid	7471B	
500-197981-10	B-8	Total/NA	Solid	7471B	
500-197981-11	B-9	Total/NA	Solid	7471B	
500-197981-12	B-9 Deep	Total/NA	Solid	7471B	
500-197981-13	B-10	Total/NA	Solid	7471B	
MB 500-595202/12-A	Method Blank	Total/NA	Solid	7471B	
LCS 500-595202/13-A	Lab Control Sample	Total/NA	Solid	7471B	

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QC Association Summary

Client: ECS Midwest LLC
Project/Site: Elgin Mental Health Center SSI(53-3032)

Job ID: 500-197981-1

Metals

Prep Batch: 595272

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-197981-1	B-1	Total/NA	Solid	3050B	
500-197981-3	B-3 Deep	Total/NA	Solid	3050B	
500-197981-4	B-3	Total/NA	Solid	3050B	
500-197981-7	B-5	Total/NA	Solid	3050B	
500-197981-10	B-8	Total/NA	Solid	3050B	
500-197981-11	B-9	Total/NA	Solid	3050B	
500-197981-12	B-9 Deep	Total/NA	Solid	3050B	
500-197981-13	B-10	Total/NA	Solid	3050B	
MB 500-595272/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 500-595272/2-A	Lab Control Sample	Total/NA	Solid	3050B	
500-197981-3 MS	B-3 Deep	Total/NA	Solid	3050B	
500-197981-3 MSD	B-3 Deep	Total/NA	Solid	3050B	
500-197981-3 DU	B-3 Deep	Total/NA	Solid	3050B	

Analysis Batch: 595400

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-197981-1	B-1	Total/NA	Solid	7471B	595202
500-197981-3	B-3 Deep	Total/NA	Solid	7471B	595202
500-197981-4	B-3	Total/NA	Solid	7471B	595202
500-197981-7	B-5	Total/NA	Solid	7471B	595202
500-197981-10	B-8	Total/NA	Solid	7471B	595202
500-197981-11	B-9	Total/NA	Solid	7471B	595202
500-197981-12	B-9 Deep	Total/NA	Solid	7471B	595202
500-197981-13	B-10	Total/NA	Solid	7471B	595202
MB 500-595202/12-A	Method Blank	Total/NA	Solid	7471B	595202
LCS 500-595202/13-A	Lab Control Sample	Total/NA	Solid	7471B	595202

Analysis Batch: 595464

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-197981-1	B-1	Total/NA	Solid	6010B	595272
500-197981-3	B-3 Deep	Total/NA	Solid	6010B	595272
500-197981-4	B-3	Total/NA	Solid	6010B	595272
500-197981-7	B-5	Total/NA	Solid	6010B	595272
500-197981-10	B-8	Total/NA	Solid	6010B	595272
500-197981-11	B-9	Total/NA	Solid	6010B	595272
500-197981-12	B-9 Deep	Total/NA	Solid	6010B	595272
500-197981-13	B-10	Total/NA	Solid	6010B	595272
MB 500-595272/1-A	Method Blank	Total/NA	Solid	6010B	595272
LCS 500-595272/2-A	Lab Control Sample	Total/NA	Solid	6010B	595272
500-197981-3 MS	B-3 Deep	Total/NA	Solid	6010B	595272
500-197981-3 MSD	B-3 Deep	Total/NA	Solid	6010B	595272
500-197981-3 DU	B-3 Deep	Total/NA	Solid	6010B	595272

General Chemistry

Analysis Batch: 595173

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-197981-1	B-1	Total/NA	Solid	Moisture	
500-197981-2	B-2	Total/NA	Solid	Moisture	
500-197981-3	B-3 Deep	Total/NA	Solid	Moisture	
500-197981-4	B-3	Total/NA	Solid	Moisture	

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QC Association Summary

Client: ECS Midwest LLC
Project/Site: Elgin Mental Health Center SSI(53-3032)

Job ID: 500-197981-1

General Chemistry (Continued)

Analysis Batch: 595173 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-197981-5	B-4	Total/NA	Solid	Moisture	
500-197981-6	B-4 Deep	Total/NA	Solid	Moisture	
500-197981-7	B-5	Total/NA	Solid	Moisture	
500-197981-8	B-6	Total/NA	Solid	Moisture	
500-197981-9	B-7	Total/NA	Solid	Moisture	
500-197981-10	B-8	Total/NA	Solid	Moisture	
500-197981-11	B-9	Total/NA	Solid	Moisture	
500-197981-12	B-9 Deep	Total/NA	Solid	Moisture	
500-197981-13	B-10	Total/NA	Solid	Moisture	
500-197981-3 DU	B-3 Deep	Total/NA	Solid	Moisture	

Analysis Batch: 595298

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-197981-1	B-1	Total/NA	Solid	9045D	
500-197981-3	B-3 Deep	Total/NA	Solid	9045D	
500-197981-4	B-3	Total/NA	Solid	9045D	
500-197981-7	B-5	Total/NA	Solid	9045D	
500-197981-10	B-8	Total/NA	Solid	9045D	
500-197981-11	B-9	Total/NA	Solid	9045D	
500-197981-12	B-9 Deep	Total/NA	Solid	9045D	
500-197981-13	B-10	Total/NA	Solid	9045D	
LCS 500-595298/2	Lab Control Sample	Total/NA	Solid	9045D	
LCS 500-595298/3	Lab Control Sample Dup	Total/NA	Solid	9045D	

Surrogate Summary

Client: ECS Midwest LLC
 Project/Site: Elgin Mental Health Center SSI(53-3032)

Job ID: 500-197981-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (70-134)	TOL (75-124)	BFB (75-131)	DBFM (75-126)
500-197981-1	B-1	98	98	86	102
500-197981-3	B-3 Deep	96	96	86	100
500-197981-4	B-3	97	99	87	100
500-197981-7	B-5	96	98	86	99
500-197981-10	B-8	97	98	87	104
500-197981-11	B-9	103	94	82	106
500-197981-12	B-9 Deep	94	98	86	97
500-197981-13	B-10	97	98	86	99
LCS 500-594493/4	Lab Control Sample	91	100	82	94
LCS 500-594733/4	Lab Control Sample	87	99	82	92
LCSD 500-594493/5	Lab Control Sample Dup	88	101	83	92
LCSD 500-594733/5	Lab Control Sample Dup	88	100	81	91
MB 500-594493/7	Method Blank	95	97	87	98
MB 500-594733/7	Method Blank	93	97	86	97

Surrogate Legend

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

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (75-126)	TOL (75-120)	BFB (72-124)	DBFM (75-120)
500-197981-2	B-2	113	101	100	112
500-197981-5	B-4	115	98	101	114
500-197981-6	B-4 Deep	112	101	100	107
500-197981-8	B-6	113	100	97	109
500-197981-9	B-7	112	99	99	110
LCS 500-595316/4	Lab Control Sample	108	102	99	105
MB 500-595316/6	Method Blank	117	100	98	112

Surrogate Legend

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

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 (37-147)	FBP (43-145)	TPHL (42-157)
500-197981-1	B-1	65	84	80
500-197981-2	B-2	60	58	88
500-197981-3	B-3 Deep	86	84	94
500-197981-4	B-3	74	66	85

Surrogate Summary

Client: ECS Midwest LLC
Project/Site: Elgin Mental Health Center SSI(53-3032)

Job ID: 500-197981-1

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

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	NBZ (37-147)	FBP (43-145)	TPHL (42-157)
500-197981-5	B-4	76	73	87
500-197981-6	B-4 Deep	75	74	83
500-197981-7	B-5	73	68	88
500-197981-8	B-6	67	61	90
500-197981-9	B-7	87	75	90
500-197981-10	B-8	83	79	96
500-197981-11	B-9	71	67	89
500-197981-12	B-9 Deep	72	67	83
500-197981-13	B-10	75	71	83
LCS 500-595134/2-A	Lab Control Sample	101	87	103
MB 500-595134/1-A	Method Blank	87	90	94

Surrogate Legend

NBZ = Nitrobenzene-d5

FBP = 2-Fluorobiphenyl

TPHL = Terphenyl-d14

QC Sample Results

Client: ECS Midwest LLC
 Project/Site: Elgin Mental Health Center SSI(53-3032)

Job ID: 500-197981-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-594493/7
Matrix: Solid
Analysis Batch: 594493

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chloromethane	ND		0.0050	0.0020	mg/Kg			04/22/21 12:27	1
Vinyl chloride	ND		0.0020	0.00089	mg/Kg			04/22/21 12:27	1
Bromomethane	ND		0.0050	0.0019	mg/Kg			04/22/21 12:27	1
Chloroethane	ND		0.0050	0.0015	mg/Kg			04/22/21 12:27	1
1,1-Dichloroethene	ND		0.0020	0.00069	mg/Kg			04/22/21 12:27	1
Acetone	ND		0.020	0.0087	mg/Kg			04/22/21 12:27	1
Carbon disulfide	ND		0.0050	0.0010	mg/Kg			04/22/21 12:27	1
Methylene Chloride	0.00416	J	0.0050	0.0020	mg/Kg			04/22/21 12:27	1
trans-1,2-Dichloroethene	ND		0.0020	0.00089	mg/Kg			04/22/21 12:27	1
Methyl tert-butyl ether	ND		0.0020	0.00059	mg/Kg			04/22/21 12:27	1
1,1-Dichloroethane	ND		0.0020	0.00069	mg/Kg			04/22/21 12:27	1
cis-1,2-Dichloroethene	ND		0.0020	0.00056	mg/Kg			04/22/21 12:27	1
Methyl Ethyl Ketone	ND		0.0050	0.0022	mg/Kg			04/22/21 12:27	1
Chloroform	ND		0.0020	0.00069	mg/Kg			04/22/21 12:27	1
1,1,1-Trichloroethane	ND		0.0020	0.00067	mg/Kg			04/22/21 12:27	1
Carbon tetrachloride	ND		0.0020	0.00058	mg/Kg			04/22/21 12:27	1
Benzene	ND		0.0020	0.00051	mg/Kg			04/22/21 12:27	1
1,2-Dichloroethane	ND		0.0050	0.0016	mg/Kg			04/22/21 12:27	1
Trichloroethene	ND		0.0020	0.00068	mg/Kg			04/22/21 12:27	1
1,2-Dichloropropane	ND		0.0020	0.00052	mg/Kg			04/22/21 12:27	1
Bromodichloromethane	ND		0.0020	0.00041	mg/Kg			04/22/21 12:27	1
cis-1,3-Dichloropropene	ND		0.0020	0.00060	mg/Kg			04/22/21 12:27	1
methyl isobutyl ketone	ND		0.0050	0.0015	mg/Kg			04/22/21 12:27	1
Toluene	ND		0.0020	0.00051	mg/Kg			04/22/21 12:27	1
trans-1,3-Dichloropropene	ND		0.0020	0.00070	mg/Kg			04/22/21 12:27	1
1,1,2-Trichloroethane	ND		0.0020	0.00086	mg/Kg			04/22/21 12:27	1
Tetrachloroethene	ND		0.0020	0.00068	mg/Kg			04/22/21 12:27	1
2-Hexanone	ND		0.0050	0.0016	mg/Kg			04/22/21 12:27	1
Dibromochloromethane	ND		0.0020	0.00065	mg/Kg			04/22/21 12:27	1
Chlorobenzene	ND		0.0020	0.00074	mg/Kg			04/22/21 12:27	1
Ethylbenzene	ND		0.0020	0.00096	mg/Kg			04/22/21 12:27	1
Xylenes, Total	ND		0.0040	0.00064	mg/Kg			04/22/21 12:27	1
Styrene	ND		0.0020	0.00060	mg/Kg			04/22/21 12:27	1
Bromoform	ND		0.0020	0.00058	mg/Kg			04/22/21 12:27	1
1,1,2,2-Tetrachloroethane	ND		0.0020	0.00064	mg/Kg			04/22/21 12:27	1
1,3-Dichloropropene, Total	ND		0.0020	0.00070	mg/Kg			04/22/21 12:27	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	95		70 - 134		04/22/21 12:27	1
Toluene-d8 (Surr)	97		75 - 124		04/22/21 12:27	1
4-Bromofluorobenzene (Surr)	87		75 - 131		04/22/21 12:27	1
Dibromofluoromethane	98		75 - 126		04/22/21 12:27	1

QC Sample Results

Client: ECS Midwest LLC
 Project/Site: Elgin Mental Health Center SSI(53-3032)

Job ID: 500-197981-1

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

Lab Sample ID: LCS 500-594493/4
Matrix: Solid
Analysis Batch: 594493

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloromethane	0.0500	0.0441		mg/Kg		88	70 - 125
Vinyl chloride	0.0500	0.0480		mg/Kg		96	70 - 125
Bromomethane	0.0500	0.0580		mg/Kg		116	70 - 130
Chloroethane	0.0500	0.0555		mg/Kg		111	75 - 125
1,1-Dichloroethene	0.0500	0.0474		mg/Kg		95	70 - 120
Acetone	0.0500	0.0587		mg/Kg		117	40 - 150
Carbon disulfide	0.0500	0.0456		mg/Kg		91	70 - 129
Methylene Chloride	0.0500	0.0511		mg/Kg		102	70 - 126
trans-1,2-Dichloroethene	0.0500	0.0475		mg/Kg		95	70 - 125
Methyl tert-butyl ether	0.0500	0.0453		mg/Kg		91	50 - 140
1,1-Dichloroethane	0.0500	0.0451		mg/Kg		90	70 - 125
cis-1,2-Dichloroethene	0.0500	0.0471		mg/Kg		94	70 - 125
Methyl Ethyl Ketone	0.0500	0.0555		mg/Kg		111	47 - 138
Chloroform	0.0500	0.0480		mg/Kg		96	57 - 135
1,1,1-Trichloroethane	0.0500	0.0465		mg/Kg		93	70 - 128
Carbon tetrachloride	0.0500	0.0467		mg/Kg		93	75 - 125
Benzene	0.0500	0.0470		mg/Kg		94	70 - 125
1,2-Dichloroethane	0.0500	0.0477		mg/Kg		95	70 - 130
Trichloroethene	0.0500	0.0513		mg/Kg		103	70 - 125
1,2-Dichloropropane	0.0500	0.0472		mg/Kg		94	70 - 125
Bromodichloromethane	0.0500	0.0496		mg/Kg		99	67 - 129
cis-1,3-Dichloropropene	0.0500	0.0520		mg/Kg		104	70 - 125
methyl isobutyl ketone	0.0500	0.0515		mg/Kg		103	50 - 148
Toluene	0.0500	0.0500		mg/Kg		100	70 - 125
trans-1,3-Dichloropropene	0.0500	0.0517		mg/Kg		103	70 - 125
1,1,2-Trichloroethane	0.0500	0.0559		mg/Kg		112	70 - 125
Tetrachloroethene	0.0500	0.0550		mg/Kg		110	70 - 124
2-Hexanone	0.0500	0.0538		mg/Kg		108	48 - 146
Dibromochloromethane	0.0500	0.0572		mg/Kg		114	69 - 125
Chlorobenzene	0.0500	0.0503		mg/Kg		101	50 - 150
Ethylbenzene	0.0500	0.0521		mg/Kg		104	61 - 136
Xylenes, Total	0.100	0.0953		mg/Kg		95	53 - 147
Styrene	0.0500	0.0511		mg/Kg		102	70 - 125
Bromoform	0.0500	0.0594		mg/Kg		119	68 - 136
1,1,2,2-Tetrachloroethane	0.0500	0.0521		mg/Kg		104	70 - 122

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	91		70 - 134
Toluene-d8 (Surr)	100		75 - 124
4-Bromofluorobenzene (Surr)	82		75 - 131
Dibromofluoromethane	94		75 - 126

Lab Sample ID: LCSD 500-594493/5
Matrix: Solid
Analysis Batch: 594493

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloromethane	0.0500	0.0425		mg/Kg		85	70 - 125	4	30

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QC Sample Results

Client: ECS Midwest LLC
 Project/Site: Elgin Mental Health Center SSI(53-3032)

Job ID: 500-197981-1

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

Lab Sample ID: LCSD 500-594493/5
Matrix: Solid
Analysis Batch: 594493

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Vinyl chloride	0.0500	0.0458		mg/Kg		92	70 - 125	5	30
Bromomethane	0.0500	0.0554		mg/Kg		111	70 - 130	5	30
Chloroethane	0.0500	0.0507		mg/Kg		101	75 - 125	9	30
1,1-Dichloroethene	0.0500	0.0440		mg/Kg		88	70 - 120	7	30
Acetone	0.0500	0.0491		mg/Kg		98	40 - 150	18	30
Carbon disulfide	0.0500	0.0427		mg/Kg		85	70 - 129	7	30
Methylene Chloride	0.0500	0.0435		mg/Kg		87	70 - 126	16	30
trans-1,2-Dichloroethene	0.0500	0.0447		mg/Kg		89	70 - 125	6	30
Methyl tert-butyl ether	0.0500	0.0398		mg/Kg		80	50 - 140	13	30
1,1-Dichloroethane	0.0500	0.0418		mg/Kg		84	70 - 125	7	30
cis-1,2-Dichloroethene	0.0500	0.0437		mg/Kg		87	70 - 125	7	30
Methyl Ethyl Ketone	0.0500	0.0466		mg/Kg		93	47 - 138	17	30
Chloroform	0.0500	0.0447		mg/Kg		89	57 - 135	7	30
1,1,1-Trichloroethane	0.0500	0.0424		mg/Kg		85	70 - 128	9	30
Carbon tetrachloride	0.0500	0.0438		mg/Kg		88	75 - 125	6	30
Benzene	0.0500	0.0444		mg/Kg		89	70 - 125	6	30
1,2-Dichloroethane	0.0500	0.0436		mg/Kg		87	70 - 130	9	30
Trichloroethene	0.0500	0.0493		mg/Kg		99	70 - 125	4	30
1,2-Dichloropropane	0.0500	0.0439		mg/Kg		88	70 - 125	7	30
Bromodichloromethane	0.0500	0.0472		mg/Kg		94	67 - 129	5	30
cis-1,3-Dichloropropene	0.0500	0.0491		mg/Kg		98	70 - 125	6	30
methyl isobutyl ketone	0.0500	0.0468		mg/Kg		94	50 - 148	10	30
Toluene	0.0500	0.0476		mg/Kg		95	70 - 125	5	30
trans-1,3-Dichloropropene	0.0500	0.0481		mg/Kg		96	70 - 125	7	30
1,1,2-Trichloroethane	0.0500	0.0523		mg/Kg		105	70 - 125	7	30
Tetrachloroethene	0.0500	0.0530		mg/Kg		106	70 - 124	4	30
2-Hexanone	0.0500	0.0463		mg/Kg		93	48 - 146	15	30
Dibromochloromethane	0.0500	0.0529		mg/Kg		106	69 - 125	8	30
Chlorobenzene	0.0500	0.0482		mg/Kg		96	50 - 150	4	30
Ethylbenzene	0.0500	0.0502		mg/Kg		100	61 - 136	4	30
Xylenes, Total	0.100	0.0901		mg/Kg		90	53 - 147	6	30
Styrene	0.0500	0.0486		mg/Kg		97	70 - 125	5	30
Bromoform	0.0500	0.0527		mg/Kg		105	68 - 136	12	30
1,1,2,2-Tetrachloroethane	0.0500	0.0486		mg/Kg		97	70 - 122	7	30

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	88		70 - 134
Toluene-d8 (Surr)	101		75 - 124
4-Bromofluorobenzene (Surr)	83		75 - 131
Dibromofluoromethane	92		75 - 126

Lab Sample ID: MB 500-594733/7
Matrix: Solid
Analysis Batch: 594733

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

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chloromethane	ND		0.0050	0.0020	mg/Kg			04/23/21 11:23	1
Vinyl chloride	ND		0.0020	0.00089	mg/Kg			04/23/21 11:23	1

Eurofins TestAmerica, Chicago

QC Sample Results

Client: ECS Midwest LLC
 Project/Site: Elgin Mental Health Center SSI(53-3032)

Job ID: 500-197981-1

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

Lab Sample ID: MB 500-594733/7
Matrix: Solid
Analysis Batch: 594733

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	ND		0.0050	0.0019	mg/Kg			04/23/21 11:23	1
Chloroethane	ND		0.0050	0.0015	mg/Kg			04/23/21 11:23	1
1,1-Dichloroethene	ND		0.0020	0.00069	mg/Kg			04/23/21 11:23	1
Acetone	ND		0.020	0.0087	mg/Kg			04/23/21 11:23	1
Carbon disulfide	ND		0.0050	0.0010	mg/Kg			04/23/21 11:23	1
Methylene Chloride	ND		0.0050	0.0020	mg/Kg			04/23/21 11:23	1
trans-1,2-Dichloroethene	ND		0.0020	0.00089	mg/Kg			04/23/21 11:23	1
Methyl tert-butyl ether	ND		0.0020	0.00059	mg/Kg			04/23/21 11:23	1
1,1-Dichloroethane	ND		0.0020	0.00069	mg/Kg			04/23/21 11:23	1
cis-1,2-Dichloroethene	ND		0.0020	0.00056	mg/Kg			04/23/21 11:23	1
Methyl Ethyl Ketone	ND		0.0050	0.0022	mg/Kg			04/23/21 11:23	1
Chloroform	ND		0.0020	0.00069	mg/Kg			04/23/21 11:23	1
1,1,1-Trichloroethane	ND		0.0020	0.00067	mg/Kg			04/23/21 11:23	1
Carbon tetrachloride	ND		0.0020	0.00058	mg/Kg			04/23/21 11:23	1
Benzene	ND		0.0020	0.00051	mg/Kg			04/23/21 11:23	1
1,2-Dichloroethane	ND		0.0050	0.0016	mg/Kg			04/23/21 11:23	1
Trichloroethene	ND		0.0020	0.00068	mg/Kg			04/23/21 11:23	1
1,2-Dichloropropane	ND		0.0020	0.00052	mg/Kg			04/23/21 11:23	1
Bromodichloromethane	ND		0.0020	0.00041	mg/Kg			04/23/21 11:23	1
cis-1,3-Dichloropropene	ND		0.0020	0.00060	mg/Kg			04/23/21 11:23	1
methyl isobutyl ketone	ND		0.0050	0.0015	mg/Kg			04/23/21 11:23	1
Toluene	ND		0.0020	0.00051	mg/Kg			04/23/21 11:23	1
trans-1,3-Dichloropropene	ND		0.0020	0.00070	mg/Kg			04/23/21 11:23	1
1,1,2-Trichloroethane	ND		0.0020	0.00086	mg/Kg			04/23/21 11:23	1
Tetrachloroethene	ND		0.0020	0.00068	mg/Kg			04/23/21 11:23	1
2-Hexanone	ND		0.0050	0.0016	mg/Kg			04/23/21 11:23	1
Dibromochloromethane	ND		0.0020	0.00065	mg/Kg			04/23/21 11:23	1
Chlorobenzene	ND		0.0020	0.00074	mg/Kg			04/23/21 11:23	1
Ethylbenzene	ND		0.0020	0.00096	mg/Kg			04/23/21 11:23	1
Xylenes, Total	ND		0.0040	0.00064	mg/Kg			04/23/21 11:23	1
Styrene	ND		0.0020	0.00060	mg/Kg			04/23/21 11:23	1
Bromoform	ND		0.0020	0.00058	mg/Kg			04/23/21 11:23	1
1,1,2,2-Tetrachloroethane	ND		0.0020	0.00064	mg/Kg			04/23/21 11:23	1
1,3-Dichloropropene, Total	ND		0.0020	0.00070	mg/Kg			04/23/21 11:23	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		70 - 134		04/23/21 11:23	1
Toluene-d8 (Surr)	97		75 - 124		04/23/21 11:23	1
4-Bromofluorobenzene (Surr)	86		75 - 131		04/23/21 11:23	1
Dibromofluoromethane	97		75 - 126		04/23/21 11:23	1

Lab Sample ID: LCS 500-594733/4
Matrix: Solid
Analysis Batch: 594733

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloromethane	0.0500	0.0439		mg/Kg		88	70 - 125
Vinyl chloride	0.0500	0.0488		mg/Kg		98	70 - 125

Eurofins TestAmerica, Chicago

QC Sample Results

Client: ECS Midwest LLC
 Project/Site: Elgin Mental Health Center SSI(53-3032)

Job ID: 500-197981-1

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

Lab Sample ID: LCS 500-594733/4
Matrix: Solid
Analysis Batch: 594733

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromomethane	0.0500	0.0577		mg/Kg		115	70 - 130
Chloroethane	0.0500	0.0543		mg/Kg		109	75 - 125
1,1-Dichloroethene	0.0500	0.0455		mg/Kg		91	70 - 120
Acetone	0.0500	0.0497		mg/Kg		99	40 - 150
Carbon disulfide	0.0500	0.0437		mg/Kg		87	70 - 129
Methylene Chloride	0.0500	0.0443		mg/Kg		89	70 - 126
trans-1,2-Dichloroethene	0.0500	0.0464		mg/Kg		93	70 - 125
Methyl tert-butyl ether	0.0500	0.0418		mg/Kg		84	50 - 140
1,1-Dichloroethane	0.0500	0.0434		mg/Kg		87	70 - 125
cis-1,2-Dichloroethene	0.0500	0.0452		mg/Kg		90	70 - 125
Methyl Ethyl Ketone	0.0500	0.0430		mg/Kg		86	47 - 138
Chloroform	0.0500	0.0460		mg/Kg		92	57 - 135
1,1,1-Trichloroethane	0.0500	0.0439		mg/Kg		88	70 - 128
Carbon tetrachloride	0.0500	0.0437		mg/Kg		87	75 - 125
Benzene	0.0500	0.0456		mg/Kg		91	70 - 125
1,2-Dichloroethane	0.0500	0.0452		mg/Kg		90	70 - 130
Trichloroethene	0.0500	0.0534		mg/Kg		107	70 - 125
1,2-Dichloropropane	0.0500	0.0451		mg/Kg		90	70 - 125
Bromodichloromethane	0.0500	0.0480		mg/Kg		96	67 - 129
cis-1,3-Dichloropropene	0.0500	0.0494		mg/Kg		99	70 - 125
methyl isobutyl ketone	0.0500	0.0436		mg/Kg		87	50 - 148
Toluene	0.0500	0.0478		mg/Kg		96	70 - 125
trans-1,3-Dichloropropene	0.0500	0.0472		mg/Kg		94	70 - 125
1,1,2-Trichloroethane	0.0500	0.0531		mg/Kg		106	70 - 125
Tetrachloroethene	0.0500	0.0525		mg/Kg		105	70 - 124
2-Hexanone	0.0500	0.0434		mg/Kg		87	48 - 146
Dibromochloromethane	0.0500	0.0526		mg/Kg		105	69 - 125
Chlorobenzene	0.0500	0.0483		mg/Kg		97	50 - 150
Ethylbenzene	0.0500	0.0502		mg/Kg		100	61 - 136
Xylenes, Total	0.100	0.0902		mg/Kg		90	53 - 147
Styrene	0.0500	0.0484		mg/Kg		97	70 - 125
Bromoform	0.0500	0.0526		mg/Kg		105	68 - 136
1,1,2,2-Tetrachloroethane	0.0500	0.0387		mg/Kg		77	70 - 122

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	87		70 - 134
Toluene-d8 (Surr)	99		75 - 124
4-Bromofluorobenzene (Surr)	82		75 - 131
Dibromofluoromethane	92		75 - 126

Lab Sample ID: LCSD 500-594733/5
Matrix: Solid
Analysis Batch: 594733

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloromethane	0.0500	0.0427		mg/Kg		85	70 - 125	3	30
Vinyl chloride	0.0500	0.0472		mg/Kg		94	70 - 125	3	30
Bromomethane	0.0500	0.0568		mg/Kg		114	70 - 130	1	30

Eurofins TestAmerica, Chicago

QC Sample Results

Client: ECS Midwest LLC
 Project/Site: Elgin Mental Health Center SSI(53-3032)

Job ID: 500-197981-1

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

Lab Sample ID: LCSD 500-594733/5
Matrix: Solid
Analysis Batch: 594733

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloroethane	0.0500	0.0526		mg/Kg		105	75 - 125	3	30
1,1-Dichloroethene	0.0500	0.0443		mg/Kg		89	70 - 120	3	30
Acetone	0.0500	0.0508		mg/Kg		102	40 - 150	2	30
Carbon disulfide	0.0500	0.0427		mg/Kg		85	70 - 129	2	30
Methylene Chloride	0.0500	0.0440		mg/Kg		88	70 - 126	1	30
trans-1,2-Dichloroethene	0.0500	0.0457		mg/Kg		91	70 - 125	1	30
Methyl tert-butyl ether	0.0500	0.0420		mg/Kg		84	50 - 140	1	30
1,1-Dichloroethane	0.0500	0.0426		mg/Kg		85	70 - 125	2	30
cis-1,2-Dichloroethene	0.0500	0.0450		mg/Kg		90	70 - 125	0	30
Methyl Ethyl Ketone	0.0500	0.0418		mg/Kg		84	47 - 138	3	30
Chloroform	0.0500	0.0457		mg/Kg		91	57 - 135	1	30
1,1,1-Trichloroethane	0.0500	0.0428		mg/Kg		86	70 - 128	2	30
Carbon tetrachloride	0.0500	0.0431		mg/Kg		86	75 - 125	1	30
Benzene	0.0500	0.0453		mg/Kg		91	70 - 125	1	30
1,2-Dichloroethane	0.0500	0.0442		mg/Kg		88	70 - 130	2	30
Trichloroethene	0.0500	0.0528		mg/Kg		106	70 - 125	1	30
1,2-Dichloropropane	0.0500	0.0459		mg/Kg		92	70 - 125	2	30
Bromodichloromethane	0.0500	0.0477		mg/Kg		95	67 - 129	1	30
cis-1,3-Dichloropropene	0.0500	0.0512		mg/Kg		102	70 - 125	4	30
methyl isobutyl ketone	0.0500	0.0470		mg/Kg		94	50 - 148	8	30
Toluene	0.0500	0.0488		mg/Kg		98	70 - 125	2	30
trans-1,3-Dichloropropene	0.0500	0.0498		mg/Kg		100	70 - 125	5	30
1,1,2-Trichloroethane	0.0500	0.0548		mg/Kg		110	70 - 125	3	30
Tetrachloroethene	0.0500	0.0534		mg/Kg		107	70 - 124	2	30
2-Hexanone	0.0500	0.0469		mg/Kg		94	48 - 146	8	30
Dibromochloromethane	0.0500	0.0543		mg/Kg		109	69 - 125	3	30
Chlorobenzene	0.0500	0.0494		mg/Kg		99	50 - 150	2	30
Ethylbenzene	0.0500	0.0510		mg/Kg		102	61 - 136	1	30
Xylenes, Total	0.100	0.0927		mg/Kg		93	53 - 147	3	30
Styrene	0.0500	0.0499		mg/Kg		100	70 - 125	3	30
Bromoform	0.0500	0.0552		mg/Kg		110	68 - 136	5	30
1,1,2,2-Tetrachloroethane	0.0500	0.0400		mg/Kg		80	70 - 122	3	30

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
1,2-Dichloroethane-d4 (Surr)	88		70 - 134
Toluene-d8 (Surr)	100		75 - 124
4-Bromofluorobenzene (Surr)	81		75 - 131
Dibromofluoromethane	91		75 - 126

Lab Sample ID: MB 500-595316/6
Matrix: Solid
Analysis Batch: 595316

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00025	0.00015	mg/Kg			04/27/21 11:18	1
Toluene	ND		0.00025	0.00015	mg/Kg			04/27/21 11:18	1
Ethylbenzene	ND		0.00025	0.00018	mg/Kg			04/27/21 11:18	1
Xylenes, Total	ND		0.00050	0.00022	mg/Kg			04/27/21 11:18	1

Eurofins TestAmerica, Chicago

QC Sample Results

Client: ECS Midwest LLC
 Project/Site: Elgin Mental Health Center SSI(53-3032)

Job ID: 500-197981-1

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

Lab Sample ID: MB 500-595316/6
Matrix: Solid
Analysis Batch: 595316

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

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	117		75 - 126		04/27/21 11:18	1
Toluene-d8 (Surr)	100		75 - 120		04/27/21 11:18	1
4-Bromofluorobenzene (Surr)	98		72 - 124		04/27/21 11:18	1
Dibromofluoromethane	112		75 - 120		04/27/21 11:18	1

Lab Sample ID: LCS 500-595316/4
Matrix: Solid
Analysis Batch: 595316

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

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Benzene	0.0500	0.0473		mg/Kg		95	70 - 120
Toluene	0.0500	0.0509		mg/Kg		102	70 - 125
Ethylbenzene	0.0500	0.0490		mg/Kg		98	70 - 123
Xylenes, Total	0.100	0.104		mg/Kg		104	70 - 125

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	108		75 - 126
Toluene-d8 (Surr)	102		75 - 120
4-Bromofluorobenzene (Surr)	99		72 - 124
Dibromofluoromethane	105		75 - 120

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

Lab Sample ID: MB 500-595134/1-A
Matrix: Solid
Analysis Batch: 595265

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 595134

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Naphthalene	ND		0.033	0.0051	mg/Kg		04/26/21 08:21	04/26/21 19:44	1
Acenaphthylene	ND		0.033	0.0044	mg/Kg		04/26/21 08:21	04/26/21 19:44	1
Acenaphthene	ND		0.033	0.0060	mg/Kg		04/26/21 08:21	04/26/21 19:44	1
Fluorene	ND		0.033	0.0047	mg/Kg		04/26/21 08:21	04/26/21 19:44	1
Phenanthrene	ND		0.033	0.0046	mg/Kg		04/26/21 08:21	04/26/21 19:44	1
Anthracene	ND		0.033	0.0056	mg/Kg		04/26/21 08:21	04/26/21 19:44	1
Fluoranthene	ND		0.033	0.0062	mg/Kg		04/26/21 08:21	04/26/21 19:44	1
Pyrene	ND		0.033	0.0066	mg/Kg		04/26/21 08:21	04/26/21 19:44	1
Benzo[a]anthracene	ND		0.033	0.0045	mg/Kg		04/26/21 08:21	04/26/21 19:44	1
Chrysene	ND		0.033	0.0091	mg/Kg		04/26/21 08:21	04/26/21 19:44	1
Benzo[b]fluoranthene	ND		0.033	0.0072	mg/Kg		04/26/21 08:21	04/26/21 19:44	1
Benzo[k]fluoranthene	ND		0.033	0.0098	mg/Kg		04/26/21 08:21	04/26/21 19:44	1
Benzo[a]pyrene	ND		0.033	0.0064	mg/Kg		04/26/21 08:21	04/26/21 19:44	1
Indeno[1,2,3-cd]pyrene	ND		0.033	0.0086	mg/Kg		04/26/21 08:21	04/26/21 19:44	1
Dibenz(a,h)anthracene	ND		0.033	0.0064	mg/Kg		04/26/21 08:21	04/26/21 19:44	1
Benzo[g,h,i]perylene	ND		0.033	0.011	mg/Kg		04/26/21 08:21	04/26/21 19:44	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Nitrobenzene-d5	87		37 - 147	04/26/21 08:21	04/26/21 19:44	1
2-Fluorobiphenyl	90		43 - 145	04/26/21 08:21	04/26/21 19:44	1

Eurofins TestAmerica, Chicago

QC Sample Results

Client: ECS Midwest LLC
 Project/Site: Elgin Mental Health Center SSI(53-3032)

Job ID: 500-197981-1

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

Lab Sample ID: MB 500-595134/1-A
Matrix: Solid
Analysis Batch: 595265

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 595134

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	94		42 - 157	04/26/21 08:21	04/26/21 19:44	1

Lab Sample ID: LCS 500-595134/2-A
Matrix: Solid
Analysis Batch: 595265

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 595134

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits	%Rec.
Naphthalene	1.33	1.37		mg/Kg		103	63 - 110	
Acenaphthylene	1.33	1.36		mg/Kg		102	68 - 120	
Acenaphthene	1.33	1.39		mg/Kg		105	65 - 124	
Fluorene	1.33	1.23		mg/Kg		92	62 - 120	
Phenanthrene	1.33	1.29		mg/Kg		96	62 - 120	
Anthracene	1.33	1.29		mg/Kg		97	70 - 114	
Fluoranthene	1.33	1.21		mg/Kg		90	62 - 120	
Pyrene	1.33	1.35		mg/Kg		101	61 - 128	
Benzo[a]anthracene	1.33	1.36		mg/Kg		102	67 - 122	
Chrysene	1.33	1.38		mg/Kg		104	63 - 120	
Benzo[b]fluoranthene	1.33	1.23		mg/Kg		92	69 - 129	
Benzo[k]fluoranthene	1.33	1.24		mg/Kg		93	68 - 127	
Benzo[a]pyrene	1.33	1.43		mg/Kg		107	65 - 133	
Indeno[1,2,3-cd]pyrene	1.33	1.24		mg/Kg		93	68 - 130	
Dibenz(a,h)anthracene	1.33	1.29		mg/Kg		96	64 - 131	
Benzo[g,h,i]perylene	1.33	1.25		mg/Kg		94	72 - 131	

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5	101		37 - 147
2-Fluorobiphenyl	87		43 - 145
Terphenyl-d14	103		42 - 157

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 500-595272/1-A
Matrix: Solid
Analysis Batch: 595464

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 595272

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.0	0.34	mg/Kg		04/26/21 17:36	04/27/21 11:44	1
Barium	ND	^6+	1.0	0.11	mg/Kg		04/26/21 17:36	04/27/21 11:44	1
Cadmium	0.0438	J	0.20	0.036	mg/Kg		04/26/21 17:36	04/27/21 11:44	1
Chromium	ND		1.0	0.50	mg/Kg		04/26/21 17:36	04/27/21 11:44	1
Lead	ND		0.50	0.23	mg/Kg		04/26/21 17:36	04/27/21 11:44	1
Selenium	ND		1.0	0.59	mg/Kg		04/26/21 17:36	04/27/21 11:44	1
Silver	ND		0.50	0.13	mg/Kg		04/26/21 17:36	04/27/21 11:44	1

QC Sample Results

Client: ECS Midwest LLC
 Project/Site: Elgin Mental Health Center SSI(53-3032)

Job ID: 500-197981-1

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

Lab Sample ID: LCS 500-595272/2-A
Matrix: Solid
Analysis Batch: 595464

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 595272
%Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Arsenic	10.0	9.79		mg/Kg		98	80 - 120
Barium	200	203	^6+	mg/Kg		101	80 - 120
Cadmium	5.00	4.84		mg/Kg		97	80 - 120
Chromium	20.0	19.1		mg/Kg		96	80 - 120
Lead	10.0	9.51		mg/Kg		95	80 - 120
Selenium	10.0	9.14		mg/Kg		91	80 - 120
Silver	5.00	4.71		mg/Kg		94	80 - 120

Lab Sample ID: 500-197981-3 MS
Matrix: Solid
Analysis Batch: 595464

Client Sample ID: B-3 Deep
Prep Type: Total/NA
Prep Batch: 595272
%Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Arsenic	2.4		9.82	12.8		mg/Kg	☼	106	75 - 125
Barium	8.8	^6+	196	193	^6+	mg/Kg	☼	94	75 - 125
Cadmium	0.11	J B	4.91	4.96		mg/Kg	☼	99	75 - 125
Chromium	3.6		19.6	20.8		mg/Kg	☼	87	75 - 125
Lead	3.4		9.82	13.1		mg/Kg	☼	99	75 - 125
Selenium	ND		9.82	8.87		mg/Kg	☼	90	75 - 125
Silver	ND		4.91	4.83		mg/Kg	☼	98	75 - 125

Lab Sample ID: 500-197981-3 MSD
Matrix: Solid
Analysis Batch: 595464

Client Sample ID: B-3 Deep
Prep Type: Total/NA
Prep Batch: 595272
%Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Arsenic	2.4		9.70	11.8		mg/Kg	☼	97	75 - 125	8	20
Barium	8.8	^6+	194	188	^6+	mg/Kg	☼	93	75 - 125	3	20
Cadmium	0.11	J B	4.85	4.75		mg/Kg	☼	96	75 - 125	4	20
Chromium	3.6		19.4	20.6		mg/Kg	☼	88	75 - 125	1	20
Lead	3.4		9.70	12.8		mg/Kg	☼	97	75 - 125	2	20
Selenium	ND		9.70	8.13		mg/Kg	☼	84	75 - 125	9	20
Silver	ND		4.85	4.67		mg/Kg	☼	96	75 - 125	3	20

Lab Sample ID: 500-197981-3 DU
Matrix: Solid
Analysis Batch: 595464

Client Sample ID: B-3 Deep
Prep Type: Total/NA
Prep Batch: 595272
%Rec.

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Arsenic	2.4		2.90		mg/Kg	☼	20	20
Barium	8.8	^6+	8.33	^6+	mg/Kg	☼	6	20
Cadmium	0.11	J B	0.108	J	mg/Kg	☼	3	20
Chromium	3.6		3.49		mg/Kg	☼	4	20
Lead	3.4		3.36		mg/Kg	☼	1	20
Selenium	ND		ND		mg/Kg	☼	NC	20
Silver	ND		ND		mg/Kg	☼	NC	20

QC Sample Results

Client: ECS Midwest LLC
 Project/Site: Elgin Mental Health Center SSI(53-3032)

Job ID: 500-197981-1

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 500-595202/12-A
Matrix: Solid
Analysis Batch: 595400

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 595202

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.017	0.0056	mg/Kg		04/26/21 14:00	04/27/21 08:17	1

Lab Sample ID: LCS 500-595202/13-A
Matrix: Solid
Analysis Batch: 595400

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 595202

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.167	0.179		mg/Kg		108	80 - 120

Lab Chronicle

Client: ECS Midwest LLC
Project/Site: Elgin Mental Health Center SSI(53-3032)

Job ID: 500-197981-1

Client Sample ID: B-1

Date Collected: 04/20/21 09:30

Date Received: 04/21/21 13:50

Lab Sample ID: 500-197981-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	595298	04/26/21 18:23	LWN	TAL CHI
Total/NA	Analysis	Moisture		1	595173	04/26/21 10:56	LWN	TAL CHI

Client Sample ID: B-1

Date Collected: 04/20/21 09:30

Date Received: 04/21/21 13:50

Lab Sample ID: 500-197981-1

Matrix: Solid

Percent Solids: 85.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			594482	04/21/21 18:00	WRE	TAL CHI
Total/NA	Analysis	8260B		1	594493	04/22/21 13:28	PMF	TAL CHI
Total/NA	Prep	3541			595134	04/26/21 08:21	BSO	TAL CHI
Total/NA	Analysis	8270D		1	595380	04/27/21 15:17	AJD	TAL CHI
Total/NA	Prep	3050B			595272	04/26/21 17:36	LMN	TAL CHI
Total/NA	Analysis	6010B		1	595464	04/27/21 11:51	JJB	TAL CHI
Total/NA	Prep	7471B			595202	04/26/21 14:00	MJG	TAL CHI
Total/NA	Analysis	7471B		1	595400	04/27/21 08:21	MJG	TAL CHI

Client Sample ID: B-2

Date Collected: 04/20/21 09:40

Date Received: 04/21/21 13:50

Lab Sample ID: 500-197981-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	595173	04/26/21 10:56	LWN	TAL CHI

Client Sample ID: B-2

Date Collected: 04/20/21 09:40

Date Received: 04/21/21 13:50

Lab Sample ID: 500-197981-2

Matrix: Solid

Percent Solids: 85.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			594462	04/20/21 09:40	WRE	TAL CHI
Total/NA	Analysis	8260B		50	595316	04/27/21 12:11	PMF	TAL CHI
Total/NA	Prep	3541			595134	04/26/21 08:21	BSO	TAL CHI
Total/NA	Analysis	8270D		1	595265	04/27/21 01:15	SS	TAL CHI

Client Sample ID: B-3 Deep

Date Collected: 04/20/21 09:50

Date Received: 04/21/21 13:50

Lab Sample ID: 500-197981-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	595298	04/26/21 18:26	LWN	TAL CHI
Total/NA	Analysis	Moisture		1	595173	04/26/21 10:56	LWN	TAL CHI

Lab Chronicle

Client: ECS Midwest LLC
 Project/Site: Elgin Mental Health Center SSI(53-3032)

Job ID: 500-197981-1

Client Sample ID: B-3 Deep
Date Collected: 04/20/21 09:50
Date Received: 04/21/21 13:50

Lab Sample ID: 500-197981-3
Matrix: Solid
Percent Solids: 96.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			594482	04/21/21 18:00	WRE	TAL CHI
Total/NA	Analysis	8260B		1	594493	04/22/21 13:54	PMF	TAL CHI
Total/NA	Prep	3541			595134	04/26/21 08:21	BSO	TAL CHI
Total/NA	Analysis	8270D		1	595265	04/26/21 21:13	SS	TAL CHI
Total/NA	Prep	3050B			595272	04/26/21 17:36	LMN	TAL CHI
Total/NA	Analysis	6010B		1	595464	04/27/21 11:54	JJB	TAL CHI
Total/NA	Prep	7471B			595202	04/26/21 14:00	MJG	TAL CHI
Total/NA	Analysis	7471B		1	595400	04/27/21 08:23	MJG	TAL CHI

Client Sample ID: B-3
Date Collected: 04/20/21 10:00
Date Received: 04/21/21 13:50

Lab Sample ID: 500-197981-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	595298	04/26/21 18:28	LWN	TAL CHI
Total/NA	Analysis	Moisture		1	595173	04/26/21 10:56	LWN	TAL CHI

Client Sample ID: B-3
Date Collected: 04/20/21 10:00
Date Received: 04/21/21 13:50

Lab Sample ID: 500-197981-4
Matrix: Solid
Percent Solids: 85.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			594482	04/21/21 18:00	WRE	TAL CHI
Total/NA	Analysis	8260B		1	594493	04/22/21 14:20	PMF	TAL CHI
Total/NA	Prep	3541			595134	04/26/21 08:21	BSO	TAL CHI
Total/NA	Analysis	8270D		1	595265	04/27/21 01:37	SS	TAL CHI
Total/NA	Prep	3050B			595272	04/26/21 17:36	LMN	TAL CHI
Total/NA	Analysis	6010B		1	595464	04/27/21 12:10	JJB	TAL CHI
Total/NA	Prep	7471B			595202	04/26/21 14:00	MJG	TAL CHI
Total/NA	Analysis	7471B		1	595400	04/27/21 08:30	MJG	TAL CHI

Client Sample ID: B-4
Date Collected: 04/20/21 11:30
Date Received: 04/21/21 13:50

Lab Sample ID: 500-197981-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	595173	04/26/21 10:56	LWN	TAL CHI

Client Sample ID: B-4
Date Collected: 04/20/21 11:30
Date Received: 04/21/21 13:50

Lab Sample ID: 500-197981-5
Matrix: Solid
Percent Solids: 87.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			594462	04/20/21 11:30	WRE	TAL CHI
Total/NA	Analysis	8260B		50	595316	04/27/21 12:37	PMF	TAL CHI

Lab Chronicle

Client: ECS Midwest LLC
Project/Site: Elgin Mental Health Center SSI(53-3032)

Job ID: 500-197981-1

Client Sample ID: B-4

Lab Sample ID: 500-197981-5

Date Collected: 04/20/21 11:30

Matrix: Solid

Date Received: 04/21/21 13:50

Percent Solids: 87.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			595134	04/26/21 08:21	BSO	TAL CHI
Total/NA	Analysis	8270D		1	595265	04/26/21 21:35	SS	TAL CHI

Client Sample ID: B-4 Deep

Lab Sample ID: 500-197981-6

Date Collected: 04/20/21 11:40

Matrix: Solid

Date Received: 04/21/21 13:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	595173	04/26/21 10:56	LWN	TAL CHI

Client Sample ID: B-4 Deep

Lab Sample ID: 500-197981-6

Date Collected: 04/20/21 11:40

Matrix: Solid

Date Received: 04/21/21 13:50

Percent Solids: 97.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			594462	04/20/21 11:40	WRE	TAL CHI
Total/NA	Analysis	8260B		50	595316	04/27/21 13:02	PMF	TAL CHI
Total/NA	Prep	3541			595134	04/26/21 08:21	BSO	TAL CHI
Total/NA	Analysis	8270D		1	595265	04/26/21 21:57	SS	TAL CHI

Client Sample ID: B-5

Lab Sample ID: 500-197981-7

Date Collected: 04/20/21 11:50

Matrix: Solid

Date Received: 04/21/21 13:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	595298	04/26/21 18:31	LWN	TAL CHI
Total/NA	Analysis	Moisture		1	595173	04/26/21 10:56	LWN	TAL CHI

Client Sample ID: B-5

Lab Sample ID: 500-197981-7

Date Collected: 04/20/21 11:50

Matrix: Solid

Date Received: 04/21/21 13:50

Percent Solids: 79.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			594482	04/21/21 18:00	WRE	TAL CHI
Total/NA	Analysis	8260B		1	594493	04/22/21 14:46	PMF	TAL CHI
Total/NA	Prep	3541			595134	04/26/21 08:21	BSO	TAL CHI
Total/NA	Analysis	8270D		1	595265	04/26/21 22:19	SS	TAL CHI
Total/NA	Prep	3050B			595272	04/26/21 17:36	LMN	TAL CHI
Total/NA	Analysis	6010B		1	595464	04/27/21 12:13	JJB	TAL CHI
Total/NA	Prep	7471B			595202	04/26/21 14:00	MJG	TAL CHI
Total/NA	Analysis	7471B		1	595400	04/27/21 08:32	MJG	TAL CHI

Lab Chronicle

Client: ECS Midwest LLC
Project/Site: Elgin Mental Health Center SSI(53-3032)

Job ID: 500-197981-1

Client Sample ID: B-6

Date Collected: 04/20/21 12:30

Date Received: 04/21/21 13:50

Lab Sample ID: 500-197981-8

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	595173	04/26/21 10:56	LWN	TAL CHI

Client Sample ID: B-6

Date Collected: 04/20/21 12:30

Date Received: 04/21/21 13:50

Lab Sample ID: 500-197981-8

Matrix: Solid

Percent Solids: 81.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			594462	04/20/21 12:30	WRE	TAL CHI
Total/NA	Analysis	8260B		50	595316	04/27/21 13:29	PMF	TAL CHI
Total/NA	Prep	3541			595134	04/26/21 08:21	BSO	TAL CHI
Total/NA	Analysis	8270D		1	595265	04/27/21 00:09	SS	TAL CHI

Client Sample ID: B-7

Date Collected: 04/20/21 12:40

Date Received: 04/21/21 13:50

Lab Sample ID: 500-197981-9

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	595173	04/26/21 10:56	LWN	TAL CHI

Client Sample ID: B-7

Date Collected: 04/20/21 12:40

Date Received: 04/21/21 13:50

Lab Sample ID: 500-197981-9

Matrix: Solid

Percent Solids: 95.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			594462	04/20/21 12:40	WRE	TAL CHI
Total/NA	Analysis	8260B		50	595316	04/27/21 13:55	PMF	TAL CHI
Total/NA	Prep	3541			595134	04/26/21 08:21	BSO	TAL CHI
Total/NA	Analysis	8270D		1	595265	04/26/21 22:41	SS	TAL CHI

Client Sample ID: B-8

Date Collected: 04/20/21 12:50

Date Received: 04/21/21 13:50

Lab Sample ID: 500-197981-10

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	595298	04/26/21 18:33	LWN	TAL CHI
Total/NA	Analysis	Moisture		1	595173	04/26/21 10:56	LWN	TAL CHI

Client Sample ID: B-8

Date Collected: 04/20/21 12:50

Date Received: 04/21/21 13:50

Lab Sample ID: 500-197981-10

Matrix: Solid

Percent Solids: 86.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			594482	04/21/21 18:00	WRE	TAL CHI
Total/NA	Analysis	8260B		1	594493	04/22/21 15:14	PMF	TAL CHI
Total/NA	Prep	3541			595134	04/26/21 08:21	BSO	TAL CHI
Total/NA	Analysis	8270D		1	595265	04/27/21 00:31	SS	TAL CHI

Eurofins TestAmerica, Chicago

Lab Chronicle

Client: ECS Midwest LLC
 Project/Site: Elgin Mental Health Center SSI(53-3032)

Job ID: 500-197981-1

Client Sample ID: B-8

Lab Sample ID: 500-197981-10

Date Collected: 04/20/21 12:50

Matrix: Solid

Date Received: 04/21/21 13:50

Percent Solids: 86.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			595272	04/26/21 17:36	LMN	TAL CHI
Total/NA	Analysis	6010B		1	595464	04/27/21 12:23	JJB	TAL CHI
Total/NA	Prep	7471B			595202	04/26/21 14:00	MJG	TAL CHI
Total/NA	Analysis	7471B		1	595400	04/27/21 08:34	MJG	TAL CHI

Client Sample ID: B-9

Lab Sample ID: 500-197981-11

Date Collected: 04/20/21 13:00

Matrix: Solid

Date Received: 04/21/21 13:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	595298	04/26/21 18:36	LWN	TAL CHI
Total/NA	Analysis	Moisture		1	595173	04/26/21 10:56	LWN	TAL CHI

Client Sample ID: B-9

Lab Sample ID: 500-197981-11

Date Collected: 04/20/21 13:00

Matrix: Solid

Date Received: 04/21/21 13:50

Percent Solids: 80.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			594482	04/21/21 18:00	WRE	TAL CHI
Total/NA	Analysis	8260B		1	594493	04/22/21 15:40	PMF	TAL CHI
Total/NA	Prep	3541			595134	04/26/21 08:21	BSO	TAL CHI
Total/NA	Analysis	8270D		1	595265	04/26/21 23:03	SS	TAL CHI
Total/NA	Prep	3050B			595272	04/26/21 17:36	LMN	TAL CHI
Total/NA	Analysis	6010B		1	595464	04/27/21 12:26	JJB	TAL CHI
Total/NA	Prep	7471B			595202	04/26/21 14:00	MJG	TAL CHI
Total/NA	Analysis	7471B		1	595400	04/27/21 08:36	MJG	TAL CHI

Client Sample ID: B-9 Deep

Lab Sample ID: 500-197981-12

Date Collected: 04/20/21 13:10

Matrix: Solid

Date Received: 04/21/21 13:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	595298	04/26/21 18:39	LWN	TAL CHI
Total/NA	Analysis	Moisture		1	595173	04/26/21 10:56	LWN	TAL CHI

Client Sample ID: B-9 Deep

Lab Sample ID: 500-197981-12

Date Collected: 04/20/21 13:10

Matrix: Solid

Date Received: 04/21/21 13:50

Percent Solids: 95.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			594482	04/21/21 18:00	WRE	TAL CHI
Total/NA	Analysis	8260B		1	594733	04/23/21 13:59	PMF	TAL CHI
Total/NA	Prep	3541			595134	04/26/21 08:21	BSO	TAL CHI
Total/NA	Analysis	8270D		1	595265	04/26/21 23:25	SS	TAL CHI

Lab Chronicle

Client: ECS Midwest LLC
 Project/Site: Elgin Mental Health Center SSI(53-3032)

Job ID: 500-197981-1

Client Sample ID: B-9 Deep

Lab Sample ID: 500-197981-12

Date Collected: 04/20/21 13:10

Matrix: Solid

Date Received: 04/21/21 13:50

Percent Solids: 95.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			595272	04/26/21 17:36	LMN	TAL CHI
Total/NA	Analysis	6010B		1	595464	04/27/21 12:30	JJB	TAL CHI
Total/NA	Prep	7471B			595202	04/26/21 14:00	MJG	TAL CHI
Total/NA	Analysis	7471B		1	595400	04/27/21 08:38	MJG	TAL CHI

Client Sample ID: B-10

Lab Sample ID: 500-197981-13

Date Collected: 04/20/21 13:20

Matrix: Solid

Date Received: 04/21/21 13:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	595298	04/26/21 18:41	LWN	TAL CHI
Total/NA	Analysis	Moisture		1	595173	04/26/21 10:56	LWN	TAL CHI

Client Sample ID: B-10

Lab Sample ID: 500-197981-13

Date Collected: 04/20/21 13:20

Matrix: Solid

Date Received: 04/21/21 13:50

Percent Solids: 79.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			594482	04/21/21 18:00	WRE	TAL CHI
Total/NA	Analysis	8260B		1	594733	04/23/21 14:25	PMF	TAL CHI
Total/NA	Prep	3541			595134	04/26/21 08:21	BSO	TAL CHI
Total/NA	Analysis	8270D		1	595265	04/26/21 23:47	SS	TAL CHI
Total/NA	Prep	3050B			595272	04/26/21 17:36	LMN	TAL CHI
Total/NA	Analysis	6010B		1	595464	04/27/21 12:33	JJB	TAL CHI
Total/NA	Prep	7471B			595202	04/26/21 14:00	MJG	TAL CHI
Total/NA	Analysis	7471B		1	595400	04/27/21 08:40	MJG	TAL CHI

Laboratory References:

TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Accreditation/Certification Summary

Client: ECS Midwest LLC
Project/Site: Elgin Mental Health Center SSI(53-3032)

Job ID: 500-197981-1

Laboratory: Eurofins TestAmerica, Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	IL00035	04-29-21

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


Chicago
2417 Bond Street

University Park IL 60466
phone 708 534 5200 fax 708 534 5363

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact		Project Manager: Kara Bach				Site Contact:				COC No				
ECS Midwest LLC		Tel/Fax: Same				Lab Contact: Jim Knapp				1 of 1 COCs				
1575 Barclay Blvd		Analysis Turnaround Time				 500-197981 COC				Job No				
Buffalo Grove IL 60089		Calendar (C) or Work Days (W)								500-197981				
Phone		<input type="checkbox"/> 2 weeks								SDG No				
847-279-0366 FAX 847 279-0369		<input type="checkbox"/> Standard												
Project Name Elgin Mental Health Center SSI		<input type="checkbox"/> 3 day												
Site 53-3032		<input type="checkbox"/> 1 day												
P O # 53-3032														
Sample Identification		Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	VOCs	BTEX	PNA's	RCRA Metals	pH	Sample Specific Notes	
1	B-1	4/20/2021	0930	Grab	Soil	Kit		X		X	X	X		
2	B-2	4/20/2021	0940	Grab	Soil	Kit			X	X				
3	B-3 Deep	4/20/2021	0950	Grab	Soil	Kit		X		X	X	X		
4	B-3 Deep	4/20/2021	1000	Grab	Soil	Kit		X	X	X	X	X		
5	B-4	4/20/2021	1130	Grab	Soil	Kit			X	X				
6	B-4 Deep	4/20/2021	1140	Grab	Soil	Kit			X	X				
7	B-5	4/20/2021	1150	Grab	Soil	Kit		X		X	X	X		
8	B-6	4/20/2021	1230	Grab	Soil	Kit			X	X				
9	B-7	4/20/2021	1240	Grab	Soil	Kit			X	X				
10	B-8	4/20/2021	1250	Grab	Soil	Kit		X		X	X	X		
11	B-9	4/20/2021	1300	Grab	Soil	Kit		X		X	X	X		
12	B-9 Deep	4/20/2021	1310	Grab	Soil	Kit		X		X	X	X		
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____														
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)								
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Irritant <input type="checkbox"/> Corrosive <input type="checkbox"/> Other _____						<input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months								
Special Instructions/QC Requirements & Comments:														
2.7 → 2.3 48qt.														
Relinquished by <i>Kara Bach</i>		Company ECS Midwest		Date/Time 4/20/21 0940		Received by <i>[Signature]</i>		Company JA		Date/Time 4/21/21 1100				
Relinquished by <i>[Signature]</i>		Company JA		Date/Time 4/21/21		Received by Stephanie Hernandez		Company ETA-OHI		Date/Time 4/21/21 1350				
Relinquished by		Company		Date/Time		Received by		Company		Date/Time				

Login Sample Receipt Checklist

Client: ECS Midwest LLC

Job Number: 500-197981-1

Login Number: 197981

List Source: Eurofins TestAmerica, Chicago

List Number: 1

Creator: Hernandez, Stephanie

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	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	2.3
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	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	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

