401356
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From: Brookshire, Mary Ann <maryann.brookshire@wsp.com>
Sent: Friday, August 30, 2024 11:41 AM
To: Kimberly M. Kuhn <Kimberly.Kuhn@des.sc.gov>
Cc: Northern, Carol <carol.northern@wsp.com>; LaRosa, Rob <rob.larosa@lennox.com>; James L. Berresford <Lucas.Berresford@des.sc.gov>
Subject: Former Ducane Site; Voluntary Cleanup Contract 16-5848-RP; File #401356, August 2024 Progress Report

Hi Kim,

Attached is a pdf of the August 2024 Progress Report for the Former Ducane Company Site in Blackville, SC.

Please let me know if you have any questions regarding the progress report or the project in general.

Thanks,
Mary Ann

Mary Ann Brookshire
Senior Lead Consultant, Environmental Science

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August 30, 2024

Ms. Kimberly Kuhn
South Carolina Department of Health and Environmental Control
Bureau of Land and Waste Management
2600 Bull Street
Columbia, South Carolina 29201

Subject: **Semi-Annual Progress Report**
Former Ducane Company Site
Blackville, Barnwell County, South Carolina
BLWM File #401356
WSP Project No. 02.20160378.23

Dear Ms. Kuhn:

On behalf of our client Lennox International Inc. (Lennox), WSP USA Inc. (WSP) has prepared this semi-annual Progress Report for the former Ducane Company Site located in Blackville, Barnwell County, South Carolina (BLWM File # 401356) (the Site). This Progress Report is being submitted to the South Carolina Department of Environmental Services (SCDES), formerly the South Carolina Department of Health and Environmental Control (DHEC), in accordance with the requirements of Voluntary Cleanup Contract 16-5848-RP executed on November 17, 2016.

Actions taken under this contract during the reporting period (January through June 2024) include conducting field activities in April 2024 and updating the Plume Analytics® evaluation. Specifically, the activities conducted include the following:

- Collected groundwater samples from the existing accessible monitoring wells in April 2024. A tabular summary of the water level measurements, the analytical results of the groundwater sampling, the field parameter measurements, the groundwater sampling forms, laboratory reports, and the data validation report are attached.
- Updated the Plume Analytics® evaluation with the April 2024 analytical data.

Actions scheduled to be taken during the next reporting period include the following:

- SCDES will publish a Proposed Plan for the Site that presents the selected remedy for public comment. Once comments are received, SCDES will select the final remedy and prepare a Record of Decision (ROD). After the ROD is prepared, WSP will prepare a Remedial Design with engineering drawings and specifications for site remediation.

No environmental problems were experienced during this reporting period.

Please feel free to call us at (770) 973-2100 if you have any questions or if we can provide any additional information.

Respectfully submitted,
WSP USA Inc.

Carol D. Northern
Technical Principal

Steve Diamond, P.E (SC #23810)
Senior Engineer

cc: Mr. Rob LaRosa
Director of EH&S
Lennox International, Inc.
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TABLE 1. GROUNDWATER LEVEL MEASUREMENTS

Former Ducane Company Site

Blackville, Barnwell County, South Carolina

BLWM File # 401356

Monitoring Well	Top of Casing (TOC) Elevation feet, NAVD	April 15, 2024	
		Depth to Water feet below TOC	Groundwater Elevation feet
MW-1	282.05	5.96	276.09
MW-1D	282.08	10.61	271.47
MW-2	277.71	2.96	274.75
MW-2D	277.61	4.14	273.47
MW-3	279.68	4.13	275.55
MW-3D	279.94	4.33	275.61
MW-4	279.74	6.11	273.63
MW-4D	279.91	8.94	270.97
MW-5	279.85	5.27	274.58
MW-6R	277.73	1.09	276.64
MW-7	280.76	4.49	276.27
MW-8	276.83	0.27	276.56
MW-10	278.12	3.86	274.26
MW-11	280.64	6.51	274.13
MW-14	280.81	6.55	274.26
MW-15	282.82	5.64	277.18
MW-16	278.48	3.36	275.12
MW-17	285.28	8.65	276.63
MW-18	279.89	5.09	274.80

Notes

NAVD - North American Vertical Datum of 1988

TOC - top-of-casing

Prepared by: MAB 5/3/24

Checked by: CDN 7/29/24

TABLE 2. SUMMARY OF DETECTED GROUNDWATER ANALYTICAL RESULTS - ORGANICS
Former Ducane Company Site
Blackville, Barnwell County, South Carolina
BLWM File # 401356

Constituent (ug/L)			Acetone	Benzene	Chloroform	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene	Methylene Chloride	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Vinyl Chloride	Xylenes (total)	1,4-Dioxane*
MCL (ug/L)			--	5	80**	--	5	7	70	100	700	--	5	5	1000	200	5	5	2	10000	--
RSL (ug/L)			1400	--	0.22	2.8	--	--	--	--	--	45	--	--	--	--	--	--	--	--	0.46
Well	**Screened Interval/Sample Depth (bgs)**	**Date Sampled**																			
MW-1	5 - 20	4/16/24	<625	<25	<25	<25	<25	<25	**2510**	<25	**180**	<25	<125	<25	**16.9 J**	<25	<25	<25	**69.8**	**911**	<0.86
MW-1D	48 - 53	4/16/24	<100	<4.0	<4.0	<4.0	<4.0	<4.0	**10.9**	<4.0	<4.0	<4.0	<20	**386**	<4.0	<4.0	<4.0	**47.8**	<4.0	<4.0	<0.86
MW-2	5 - 15	4/17/24	<25	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.2 J**
MW-2D	39 - 44	4/17/24	<25	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	**0.69 J**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.86
MW-3	5 - 15	4/17/24	<3120	<125	<125	**952**	<125	**497**	**19000**	**176**	**307**	<125	<625	<125	**119 J**	<125	<125	<125	**848**	**1190**	**241**
MW-3D	20 - 25	4/17/24	<25	<1.0	**0.76 J**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.86
MW-4	8 - 18	4/16/24	<25	<1.0	<1.0	<1.0	<1.0	<1.0	**14.5**	<1.0	<1.0	<1.0	<5.0	**3.7**	<1.0	<1.0	**1.1**	**7.2**	<1.0	<1.0	**1.4 J**
MW-4D	72 - 82	4/16/24	<25	<1.0	<1.0	<1.0	<1.0	**1.5**	**1.3**	<1.0	<1.0	<1.0	<5.0	**33.8**	<1.0	<1.0	<1.0	**2.3**	<1.0	<1.0	<0.86
MW-5	15 - 20	4/17/24	<62.5	<2.5	<2.5	**1.8 J**	<2.5	<2.5	**315**	**3.2**	**1.2 J**	<2.5	<12.5	**71.8**	<2.5	<2.5	<2.5	**124**	**4.8**	<2.5	**12.6**
MW-6R	5 - 15	4/16/24	<25	<1.0	<1.0	<1.0	<1.0	<1.0	**0.65 J**	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.2**	<0.86
MW-7	2 - 12	4/16/24	<312	<12.5	<12.5	<12.5	<12.5	<12.5	**1650**	<12.5	**253**	<12.5	<62.5	<12.5	**5.3 J**	<12.5	<12.5	<12.5	**517**	**927**	<0.86
MW-8	2 - 12	4/17/24	<25	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.86
MW-10	2 - 12	4/16/24	<25	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.86
MW-11	2 - 12	4/17/24	<25	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.86
MW-14	2 - 12	4/17/24	<25	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.86
MW-15	9 - 19	4/16/24	<25	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.86
MW-16	10 - 20	4/16/24	<25	<1.0	**1.1**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.86
MW-17	20 - 30	4/17/24	<25	<1.0	**0.52 J**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.86
MW-18	15 - 25	4/16/24	<25	<1	<1.0	<1.0	<1.0	**4.6**	**2.0**	<1.0	<1.0	<1.0	<5.0	**154**	<1.0	**0.39 J**	**4.3**	**176**	<1.0	<1.0	<0.86

Notes
ug/L - micrograms per liter
< less than the noted reporting limit (RL)
J - estimated concentration
* - 1,4-dioxane reported to the method detection limit (MDL)
** - MCL for total Trihalomethanes
MCL - US EPA Maximum Contaminant Level
RSL - US EPA Regional Screening Level for Tap Water
Bold - Constituent detected above RL or MDL
Bold and Shaded - Constituent detected above the RSL or MCL

Prepared by: MAB 5/6/24
Checked by: CDN 7/29/24

TABLE 3. GROUNDWATER MNA RESULTS

Former Ducane Company Site

Blackville, Barnwell County, South Carolina

BLWM File # 401356

Monitoring Well/Boring ID	Screened Interval/ Sample Depth (bgs)	Sample Date	Alkalinity mg/L	Sulfide mg/L	Nitrate mg/L	Chloride mg/L	Sulfate mg/L	TOC mg/L	Ethane ug/L	Ethene ug/L	Methane ug/L
MW-1	5 - 20	4/16/24	**6.0**	**0.51**	<0.020	**17.6**	**7.7**	**5.2**	<10	<10	**400**
MW-1D	48 - 53	4/16/24	<5.0	**0.024 J**	**0.010 J**	**1.9**	<1.0	<1.0	<10	<10	<10
MW-2	5 - 15	4/17/24	<5.0	<0.10	**1.4**	**6.0**	<1.0	<1.0	<10	<10	<10
MW-2D	39 - 44	4/17/24	<5.0	<0.10	**0.022**	**2.2**	**0.94 J**	<1.0	<10	<10	<10
MW-3	5 - 15	4/17/24	<5.0	**10.7**	<0.020	**33.2**	<1.0	**19.6**	**25**	**120**	**24000**
MW-3D	20 - 25	4/17/24	<5.0	<0.10	**3.8**	**10.5**	<1.0	<1.0	<10	<10	<10
MW-4	8 - 18	4/16/24	<5.0	<0.10	**0.035**	**6.6**	**0.89 J**	<1.0	<10	<10	<10
MW-4D	72 - 82	4/16/24	<5.0	<0.10	**0.052**	**1.5**	**0.69 J**	<1.0	<10	<10	<10
MW-5	15 - 20	4/17/24	<5.0	<0.10	**0.27**	**20.3**	**0.51 J**	<1.0	<10	<10	**2000**
MW-6R	5 - 15	4/16/24	<5.0	<0.10 J	**1.2 J**	**8.8 J**	**4.0 J**	**0.73 J**	<10	<10	<10
MW-7	2 - 12	4/16/24	**25.7**	**0.066 J**	**0.014 J**	**9.7 J**	<1.0 J	**5.8 J**	<10	**80**	**850**
MW-8*	2 - 12	4/16-17/2024	**11.8**	<0.10	<0.020	**5.1**	**29.1**	**4.2**	<10	<10	<10
MW-10	2 - 12	4/16/24	<5.0	<0.10	<0.020 J	**7.8 J**	**5.0 J**	**2.7**	<10	<10	**80**
MW-11	2 - 12	4/17/24	**57.2**	<0.10	<0.020	**4.1**	**7.2**	**2.7**	<10	<10	**230**
MW-14	2 - 12	4/17/24	**6.4**	<0.10	<0.020	**3.2**	**3.7**	**0.86 J**	<10	<10	**250**
MW-15	9 - 19	4/16/24	**14.0**	<0.10	**0.013 J**	**3.0 J**	**9.8 J**	<1.0 J	<10	<10	<10
MW-16	10 - 20	4/16/24	<5.0	<0.10	**4.8**	**11.6**	<1.0	<1.0 J	<10	<10	<10
MW-17	20 - 30	4/17/24	<5.0	<0.10	**1.7**	**7.4**	<1.0	<1.0	<10	<10	<10
MW-18	15-25	4/16/24	<5.0	<0.010 J	**1.9 J**	**10.4 J**	<1.0 J	<1.0 J	<10	<10	<10

mg/L - milligrams per liter

ug/L - micrograms per liter

bgs - below ground surface

TOC - total organic carbon

< less than the noted reporting limit (RL)

J - estimated concentration above the method detection limit (MDL)

Bold - Constituent detected above RL or MDL

* Sample for sulfide and TOC analysis collected 4/17/24

**Samples for methane, ethane and ethene analysis collected on 4/17/24

Prepared by: MAB 5/9/24

Checked by: CDN 7/29/24

TABLE 4. FIELD PARAMETERS
Former Ducane Company Site
Blackville, Barnwell County, South Carolina
BLWM File # 401356

Monitoring Well	Sample Date	Purge Volume Gallons	Temperature °C	pH Standard Units	Dissolved Oxygen mg/L	ORP mV	Conductivity mS/cm	Turbidity NTU	Ferrous Iron mg/L
MW-1	4/16/24	1.5	28.10	5.02	0.02	141	0.088	8.44	1.07
MW-1D	4/16/24	2.0	28.14	5.19	1.12	379	0.019	119	1.02
MW-2	4/17/24	2.0	21.08	5.00	0.00	498	0.052	3.8	0.17
MW-2D	4/17/24	2.0	20.69	5.46	2.54	324	0.027	0.0	0.10
MW-3	4/17/24	1.5	21.33	5.21	2.66	-42	0.162	4.5	3.30
MW-3D	4/17/24	1.5	22.04	5.23	2.51	332	0.084	0.0	0.07
MW-4	4/16/24	1.5	25.06	4.96	0.96	477	0.040	7.7	0.23
MW-4D	4/16/24	2.5	22.09	4.98	2.11	472	0.019	0.7	0.03
MW-5	4/17/24	1.0	20.12	4.85	0.10	280	0.094	0.7	2.29
MW-6R	4/16/24	2.0	20.65	5.59	0.00	418	0.077	3.9	0.02
MW-7	4/16/24	1.5	21.34	5.86	0.00	65	0.090	56.2	3.30
MW-8	4/16/24	0.75	21.41	5.76	0.00	200	0.144	8.9	2.01
MW-10	4/16/24	1.0	24.31	4.96	0.05	144	0.048	8.97	1.39
MW-11	4/17/24	1.5	21.62	4.98	7.79	271	0.111	6.8	1.45
MW-14	4/17/24	1.0	17.48	5.10	0.93	236	0.048	7.1	2.77
MW-15	4/16/24	1.5	20.04	5.69	0.00	307	0.083	7.9	0.19
MW-16	4/16/24	1.5	18.05	4.27	4.16	481	0.098	6.7	0.14
MW-17	4/17/24	2.0	19.71	4.54	1.74	403	0.052	7.7	0.23
MW-18	4/16/24	2.5	18.50	4.49	0.81	494	0.067	1.4	0.05

Notes

°C - degrees Celsius
mg/L - milligrams per liter
mV - millivolts
mS/cm - millisiemens per centimeter
NTU - nephelometric turbidity units
ORP - oxidation reduction potential

Prepared by: MAB 5/22/24
Checked by: CDN 7/29/24

ATTACHMENT A

GROUNDWATER SAMPLING FORMS

wsp

Groundwater Sampling Record

WELL No. MW-1	PROJECT # 02.20160378.23	LOCATION: Blackville, SC	DATE 4-16-24
SAMPLE No. MW-1	PROJECT NAME: Lennox, Blackville, SC	FIELD PERSONNEL/COMPANY: STEVE TYNER / WSP	
SAMPLE TIME: 1415	SITE :	FIELD CONDITIONS/WEATHER CLEAR / 70s	

Well Condition Inspection (circle one)

cover: (locked) not locked
number: legible (O) not legible
outer casing: (good) fair poor
inner casing: (good) fair poor
well photographed: yes (no)

Equipment Cleaning Procedures

- potable water and phosphate-free soap
- potable water rinse
- water rinse: (distilled) deionized
- solvent rinse: acetone hexane
- air dry

Casing Diameter: (circle one) (2") 4" 6" Other:____

Casing Volume Calculation: $(\pi r^2 h)(7.48\ gal/ft^3)$
Casing Volume (gallons/ft) for: 2" = 0.163; 4" = 0.653; 6" = 1.47
Casing Volume (liters/ft) for: 2" = 0.618; 4" = 2.47; 6" = 5.56

Depth to Water (feet):	6.09	Measuring Point Elevation (feet):	TOC
Depth of Well (feet):	21.9	Groundwater Surface Elevation:	
Water Column (feet):	15.18	LNAPL present: N/A	thickness:
Casing Volume (gallons/liters):	2.57	DNAPL present: N/A	thickness:
Calculated Purge Volume (gallons/liters):	7.73	Remarks:	
Actual Purge Volume (gallons/liters):	1.5		1.07
Pump Intake Depth (feet):	~15'	Ferrous Iron (mg/L):	(H) ~~1.09~~ mg/L

Well Evacuation

Water level recovery is: very slow slow moderate fast Bailed dry: yes no

TIME 2400 hrs	CUMULATIVE VOLUME (gal)	TEMPERATURE (°C)	pH	DISSOLVED OXYGEN (mg/L)	ORP (mV)	CONDUCTIVITY ~~(µS/cm)~~ (mS/cm)	TURBIDITY (NTU)	Depth to Water (Feet)	ODOR/COLOR/ REMARKS
	0								PURGE START
1340	1/4	28.22	5.14	0.19	202	0.038	12.7	6.09	NONE/CLEAR
1345	1/2	28.20	5.10	0.13	159	0.088	11.2	6.13	" / "
1350	3/4	28.13	5.08	0.08	156	0.088	9.93	6.15	" / "
1355	1	28.12	5.05	0.03	152	0.087	8.06	6.16	" / "
1400	1 1/4	28.12	5.04	0.02	149	0.087	8.57	6.17	" / "
1405	1 1/2	28.10	5.02	0.02	141	0.088	8.44	6.18	" / "
		SAMPLED @ 1415				RSK 175 ON 4.17.24	SAMPLED @ 08 45		

Measurement and Sampling Equipment

Type	Manufacturer	Model #	Calibration Date
Hanna 98194	~~Hanna~~ HORIBA	U5000 SN ~~550~~ 0102505X	4-16-2024
Peristaltic Pump	Geotech	Geopump 5840	N/A

SAMPLE NUMBER	ANALYTICAL METHOD	BOTTLE TYPE/ PRESERVATIVES	QA REMARKS
3	VOCs	40 ml glass vial / HCL	
3	1,4 - Dioxane	40 ml glass vial	
3	Diss. Gasses	40 ml glass vial / HCL	
1	TOC	250 ml glass / H2SO4	
1	NO3/SO4/Cl	250 ml HDPE / none	
1	Sulfide	125 ml HDPE / ZnAcetate + NaOH	
1	Alkalinity	125 ml HDPE / none	

WSP

Groundwater Sampling Record

WELL No. MW-1D	PROJECT # 02.20160378.23	LOCATION: Blackville, SC	DATE 4-16-24
SAMPLE No. MW-1D	PROJECT NAME: Lennox, Blackville, SC	FIELD PERSONNEL/COMPANY: STEVE TYLER / WSP	
SAMPLE TIME: 1330	SITE :	FIELD CONDITIONS/WEATHER CLEAR 70's	

Well Condition Inspection (circle one)

cover:	locked	not locked	
number:	legible	not legible	
outer casing:	good	fair	poor
inner casing:	good	fair	poor
well photographed:	yes	no	

Equipment Cleaning Procedures

- potable water and phosphate-free soap
- ~~potable water rinse~~
- water rinse: distilled / deionized
- solvent rinse: acetone / hexane
- air dry

Casing Diameter: (circle one) 2" 4" 6" Other:____

Casing Volume Calculation: ~~$\pi r^2 h$(7.48 gal/ft^3)~~
Casing Volume (gallons/ft) for: 2" = 0.163; 4" = 0.653; 6" = 1.47
Casing Volume (liters/ft) for: ~~2" = 0.618~~; 4" = 2.47; 6" = 5.56

Depth to Water (feet):	8.31	Measuring Point Elevation (feet):	TOC
Depth of Well (feet):	53	Groundwater Surface Elevation:	
Water Column (feet):	44.69	LNAPL present: N/A	thickness:
Casing Volume (gallons/liters):	7.28	DNAPL present: N/A	thickness:
Calculated Purge Volume (gallons/liters):	21.8	Remarks:	
Actual Purge Volume (gallons/liters):	2		
Pump Intake Depth (feet):	~47'	Ferrous Iron (mg/L):	1.02 mg/L

Well Evacuation
Water level recovery is: very slow slow moderate fast
Bailed dry: yes no

TIME 2400 hrs	CUMULATIVE VOLUME (gal)	TEMPERATURE (°C)	pH	DISSOLVED OXYGEN (mg/L)	ORP (mV)	CONDUCTIVITY ~~(µs/cm)~~ (mS/cm)	TURBIDITY (NTU)	Depth to Water (Feet)	ODOR/COLOR/ REMARKS
	0								PURGE START
									Setup
1250	1/4	28.14	5.22	1.91	431	0.018	164	8.46	NONE/CLEAR
1257	1/2	28.11	5.24	2.19	431	0.018	161	8.71	"/SLIGHT
1305	1	28.10	5.17	1.26	394	0.019	168	8.83	" / "
1312	1 1/2	28.13	5.18	1.06	387	0.019	123	8.86	" / "
1320	2	28.14	5.19	1.12	379	0.019	119		" / "
		SAMPLED @ 1330							
						RSK 175 SAMPLED ON 4-17-24 @		0855	

Measurement and Sampling Equipment

Type	Manufacturer	Model #	Calibration Date
Hanna 98194	~~Hanna~~ HORIBA U5000	SN ~~956~~ U102505X	4-16-24
Peristaltic Pump	Geotech	Geopump 5840	N/A

SAMPLE NUMBER	ANALYTICAL METHOD	BOTTLE TYPE/ PRESERVATIVES	QA REMARKS
3	VOCs	40 ml glass vial / HCL	
3	1,4 - Dioxane	40 ml glass vial	
3	Diss. Gasses	40 ml glass vial / HCL	
1	TOC	250 ml glass / H2SO4	
1	NO3/SO4/Cl	250 ml HDPE / none	
1	Sulfide	125 ml HDPE / ZnAcetate + NaOH	
1	Alkalinity	125 ml HDPE / none	

wsp

Groundwater Sampling Record

WELL No. MW-2	PROJECT # 02.20160378.23	LOCATION: Blackville, SC	DATE 4/17/24
SAMPLE No. MW-2	PROJECT NAME: Lennox, Blackville, SC	FIELD PERSONNEL/COMPANY: NW	
SAMPLE TIME: 1035	SITE : Lennox	FIELD CONDITIONS/WEATHER Cloudy 70°F	

Well Condition Inspection (circle one)

cover: (locked) not locked
number: (legible) not legible
outer casing: (good) fair poor
inner casing: (good) fair poor
well photographed: yes (no)

Equipment ~~Cleaning~~ Procedures

- (potable water and phosphate-free soap)
- ~~potable water rinse~~
- water rinse: (distilled) deionized
- solvent rinse: acetone hexane
- (air dry)

Casing Diameter: (circle one) (2") 4" 6" Other:____

Casing Volume Calculation: $(\pi r^2 h)(7.48\ gal/ft^3)$
Casing Volume (gallons/ft) for: 2" = 0.163; 4" = 0.653; 6" = 1.47
Casing Volume (liters/ft) for: 2" = 0.618; 4" = 2.47; 6" = 5.56

Depth to Water (feet):	3.05	Measuring Point Elevation (feet):	TOC
Depth of Well (feet):	18.66	Groundwater Surface Elevation:	
Water Column (feet):	15.61	LNAPL present: No	thickness:
Casing Volume (gallons/liters):	2.54 gal	DNAPL present: No	thickness:
Calculated Purge Volume (gallons/liters):	7.63 gal	Remarks:	
Actual Purge Volume (gallons/liters):	2.0 gal		
Pump Intake Depth (feet):	13	Ferrous Iron (mg/L):	0.17 mg/L

Well Evacuation
Water level recovery is: very slow slow moderate (fast) Bailed dry: yes (no)

TIME 2400 hrs	CUMULATIVE VOLUME (gal)	TEMPERATURE (°C)	pH	DISSOLVED OXYGEN (mg/L)	ORP (mV)	CONDUCTIVITY (µs/cm)	TURBIDITY (NTU)	Depth to Water (Feet)	ODOR/COLOR/ REMARKS
1005	0								PURGE START
1010	0.3	20.11	4.74	0.04	455	56	3.1	3.25	Clear
1015	0.6	20.44	4.78	0.00	479	53	3.6	3.26	Clear
1020	0.9	20.64	4.90	0.00	485	52	3.8	3.26	Clear
1025	1.2	20.78	5.00	0.00	488	52	3.9	3.27	Clear
1030	1.5	20.96	5.01	0.00	493	52	3.6	3.28	Clear
1035	1.8	21.08	5.00	0.00	498	52	3.8	3.28	Clear
		SAMPLE TIME: 1035							

Measurement and Sampling Equipment

Type	Manufacturer	Model #	Calibration Date
~~Hanna 98194~~ Horiba	~~Hanna~~	SN 556 U93265X	4/17/24
Peristaltic Pump	Geotech	Geopump U106785X	NA

SAMPLE NUMBER	ANALYTICAL METHOD	BOTTLE TYPE/ PRESERVATIVES	QA REMARKS
3	VOCs	40 ml glass vial / HCL	
3	1,4 - Dioxane	40 ml glass vial	
3	Diss. Gasses	40 ml glass vial / HCL	
1	TOC	250 ml glass / H2SO4	
1	NO3/SO4/Cl	250 ml HDPE / none	
1	Sulfide	125 ml HDPE / ZnAcetate + NaOH	
1	Alkalinity	125 ml HDPE / none	

wsp

Groundwater Sampling Record

WELL No. MW-20	PROJECT # 02.20160378.23	LOCATION: Blackville, SC	DATE 4/17/24
SAMPLE No. MW-20	PROJECT NAME: Lennox, Blackville, SC	FIELD PERSONNEL/COMPANY: NW	
SAMPLE TIME: 0945	SITE: Lennox	FIELD CONDITIONS/WEATHER Cloudy 70°F	

Well Condition Inspection (circle one)

cover: (locked) not locked
number: (legible) not legible
outer casing: (good) fair poor
inner casing: (good) fair poor
well photographed: yes (no)

Equipment Cleaning Procedures

- (potable water and phosphate-free soap)
- potable water rinse
- water rinse: (distilled) deionized
- solvent rinse: acetone hexane
- (air dry)

Casing Diameter: (circle one) (2") 4" 6" Other:____

Casing Volume Calculation: $(\pi r^2 h)(7.48\ gal/ft^3)$
Casing Volume (gallons/ft) for: 2" = 0.163; 4" = 0.653; 6" = 1.47
Casing Volume (liters/ft) for: 2" = 0.618; 4" = 2.47; 6" = 5.56

Depth to Water (feet):	4.24	Measuring Point Elevation (feet):	TOC
Depth of Well (feet):	44.6	Groundwater Surface Elevation:	
Water Column (feet):	40.36	LNAPL present: NO	thickness:
Casing Volume (gallons/liters):	6.58 gal	DNAPL present: NO	thickness:
Calculated Purge Volume (gallons/liters):	19.74 gal	Remarks:	
Actual Purge Volume (gallons/liters):	2.0 gal		
Pump Intake Depth (feet):	40	Ferrous Iron (mg/L):	0.10 mg/L

Well Evacuation

Water level recovery is: very slow slow (moderate) fast Bailed dry: yes (no)

TIME 2400 hrs	CUMULATIVE VOLUME (gal)	TEMPERATURE (°C)	pH	DISSOLVED OXYGEN (mg/L)	ORP (mV)	CONDUCTIVITY (µs/cm)	TURBIDITY (NTU)	Depth to Water (Feet)	ODOR/COLOR/ REMARKS
0915	0								PURGE START
0920	0.25	20.69	5.96	4.98	342	33	0.0	5.90	Clear
0925	0.5	20.71	5.63	4.71	354	29	0.0	6.98	Clear
0930	0.75	20.69	5.63	4.64	356	29	0.0	7.72	Clear
0935	1.0	20.67	5.47	3.56	346	28	0.0	8.35	Clear
0940	1.25	20.67	5.43	2.86	330	28	0.0	8.80	Clear
0945	1.5	20.69	5.46	2.54	324	27	0.0	9.19	Clear
		SAMPLE TIME: 0945							

Measurement and Sampling Equipment

Type	Manufacturer	Model #	Calibration Date
~~Hanna 98194~~ Horiba	~~Hanna~~	SN 556 U73365X	4/17/24
Peristaltic Pump	Geotech	Geopump U106785X	NA

SAMPLE NUMBER	ANALYTICAL METHOD	BOTTLE TYPE/ PRESERVATIVES	QA REMARKS
3	VOCs	40 ml glass vial / HCL	
3	1,4 - Dioxane	40 ml glass vial	
3	Diss. Gasses	40 ml glass vial / HCL	
1	TOC	250 ml glass / H2SO4	
1	NO3/SO4/Cl	250 ml HDPE / none	
1	Sulfide	125 ml HDPE / ZnAcetate + NaOH	
1	Alkalinity	125 ml HDPE / none	

wsp

Groundwater Sampling Record

WELL No. MW-3	PROJECT # 02.20160378.23	LOCATION: Blackville, SC	DATE 4/17/24
SAMPLE No. MW-3	PROJECT NAME: Lennox, Blackville, SC	FIELD PERSONNEL/COMPANY: NW	
SAMPLE TIME: 1130	SITE : Lennox	FIELD CONDITIONS/WEATHER P. Cloudy 70°F	

Well Condition Inspection (circle one)

cover: locked / not locked
number: legible / not legible
outer casing: good / fair / poor
inner casing: good / fair / poor
well photographed: yes / no

Equipment Cleaning Procedures

- potable water and phosphate-free soap
- potable water rinse
- water rinse: distilled / deionized
- solvent rinse: acetone / hexane
- air dry

Casing Diameter: (circle one) 2" / 4" / 6" / Other:___

Casing Volume Calculation: $(\pi r^2 h)(7.48\ gal/ft^3)$
Casing Volume (gallons/ft) for: 2" = 0.163; 4" = 0.653; 6" = 1.47
Casing Volume (liters/ft) for: 2" = 0.618; 4" = 2.47; 6" = 5.56

Depth to Water (feet):	4.30	Measuring Point Elevation (feet):	TOC
Depth of Well (feet):	15.0	Groundwater Surface Elevation:	
Water Column (feet):	10.70	LNAPL present: NO	thickness:
Casing Volume (gallons/liters):	1.74 gal	DNAPL present: NO	thickness:
Calculated Purge Volume (gallons/liters):	5.23 gal	Remarks:	
Actual Purge Volume (gallons/liters):	1.5 gal		
Pump Intake Depth (feet):	12	Ferrous Iron (mg/L):	3.30 mg/L

Well Evacuation

Water level recovery is: very slow / slow / moderate / fast — Bailed dry: yes / no

TIME 2400 hrs	CUMULATIVE VOLUME (gal)	TEMPERATURE (°C)	pH	DISSOLVED OXYGEN (mg/L)	ORP (mV)	CONDUCTIVITY (µs/cm)	TURBIDITY (NTU)	Depth to Water (Feet)	ODOR/COLOR/ REMARKS
1105	0								PURGE START
1110	0.3	21.38	5.16	4.52	94	163	0.0	5.71	Clear
1115	0.6	21.47	5.17	4.66	76	161	0.0	6.02	Clear
1120	0.9	21.48	5.22	4.07	30	160	0.5	6.77	Clear
1125	1.2	21.41	5.21	3.30	-9	161	1.8	7.64	Clear
1130	1.5	21.33	5.21	2.66	-17	162	4.5	8.18	Clear
		Sample Time: 1130							

Measurement and Sampling Equipment

Type	Manufacturer	Model #	Calibration Date
~~Hanna 98194~~ Horiba	~~Hanna~~	SN 556 U93265X	4/17/23
Peristaltic Pump	Geotech	Geopump U106785X	NA

SAMPLE NUMBER	ANALYTICAL METHOD	BOTTLE TYPE/ PRESERVATIVES	QA REMARKS
3	VOCs	40 ml glass vial / HCL	
3	1,4 - Dioxane	40 ml glass vial	
3	Diss. Gasses	40 ml glass vial / HCL	
1	TOC	250 ml glass / H2SO4	
1	NO3/SO4/Cl	250 ml HDPE / none	
1	Sulfide	125 ml HDPE / ZnAcetate + NaOH	
1	Alkalinity	125 ml HDPE / none	

wsp

Groundwater Sampling Record

WELL No. MW-30	PROJECT # 02.20160378.23	LOCATION: Blackville, SC	DATE 4/17/24
SAMPLE No. MW-30	PROJECT NAME: Lennox, Blackville, SC	FIELD PERSONNEL/COMPANY: NV	
SAMPLE TIME: 1220	SITE : Lennox	FIELD CONDITIONS/WEATHER P. Cloudy 70°F	

Well Condition Inspection (circle one)

cover: (locked) not locked
number: legible (not legible)
outer casing: (good) fair poor
inner casing: (good) fair poor
well photographed: yes (no)

Equipment Cleaning Procedures

- potable water and phosphate-free soap
- potable water rinse
- water rinse: (distilled) deionized
- solvent rinse: acetone hexane
- (air dry)

Casing Diameter: (circle one) (2") 4" 6" Other:____

Casing Volume Calculation: $(\pi r^2 h)(7.48\ gal/ft^3)$
Casing Volume (gallons/ft) for: 2" = 0.163; 4" = 0.653; 6" = 1.47
Casing Volume (liters/ft) for: 2" = 0.618; 4" = 2.47; 6" = 5.56

Depth to Water (feet):	4.37	Measuring Point Elevation (feet):	TOC
Depth of Well (feet):	25.0	Groundwater Surface Elevation:	
Water Column (feet):	20.63	LNAPL present: NO	thickness:
Casing Volume (gallons/liters):	3.36	DNAPL present: NO	thickness:
Calculated Purge Volume (gallons/liters):	10.09	Remarks:	
Actual Purge Volume (gallons/liters):			
Pump Intake Depth (feet):	20	Ferrous Iron (mg/L):	0.07 mg/L

Well Evacuation
Water level recovery is: very slow slow (moderate) fast Bailed dry: yes (no)

TIME 2400 hrs	CUMULATIVE VOLUME (gal)	TEMPERATURE (°C)	pH	DISSOLVED OXYGEN (mg/L)	ORP (mV)	CONDUCTIVITY (µs/cm)	TURBIDITY (NTU)	Depth to Water (Feet)	ODOR/COLOR/ REMARKS
1155	0								PURGE START
1200	0.3	21.66	5.17	2.79	230	87	0.0	4.82	Clear
1205	0.6	21.83	5.18	2.66	259	87	0.0	4.82	Clear
1210	0.9	21.94	5.20	2.59	291	86	0.0	4.83	Clear
1215	1.2	22.00	5.22	2.51	317	85	0.0	4.83	Clear
1220	1.5	22.04	5.23	2.51	332	84	0.0	4.83	Clear
		Sample Time: 1220							

Measurement and Sampling Equipment

Type	Manufacturer	Model #	SN	Calibration Date
~~Hanna 98194~~ Aurora	~~Hanna~~	U93265X	556	4/17/24
Peristaltic Pump	Geotech	Geopump	U1067852	NA

SAMPLE NUMBER	ANALYTICAL METHOD	BOTTLE TYPE/ PRESERVATIVES	QA REMARKS
3	VOCs	40 ml glass vial / HCL	
3	1,4 - Dioxane	40 ml glass vial	
3	Diss. Gasses	40 ml glass vial / HCL	
1	TOC	250 ml glass / H2SO4	
1	NO3/SO4/Cl	250 ml HDPE / none	
1	Sulfide	125 ml HDPE / ZnAcetate + NaOH	
1	Alkalinity	125 ml HDPE / none	

WSP

Groundwater Sampling Record

WELL No. MW-4	PROJECT # 02.20160378.23	LOCATION: Blackville, SC	DATE 4-16-24
SAMPLE No. MW-4	PROJECT NAME: Lennox, Blackville, SC	FIELD PERSONNEL/COMPANY: STEVE TYNER / WSP	
SAMPLE TIME:	SITE :	FIELD CONDITIONS/WEATHER CLEAR / 70's	

Well Condition Inspection (circle one)

cover:	locked	not locked
number:	legible	not legible
outer casing:	good	fair poor
inner casing:	good	fair poor
well photographed:	yes	no

Equipment Cleaning Procedures

- ~~potable water and phosphate-free soap~~
- ~~potable water rinse~~
- water rinse: distilled deionized
- solvent rinse: acetone hexane
- air dry

Casing Diameter: (circle one) 2" 4" 6" Other:____

Casing Volume Calculation: $(\pi r^2 h)(7.48\ gal/ft^3)$
Casing Volume (gallons/ft) for: 2" = 0.163; 4" = 0.653; 6" = 1.47
Casing Volume (liters/ft) for: 2" = 0.618; 4" = 2.47; 6" = 5.56

Depth to Water (feet):	6.29	Measuring Point Elevation (feet):	TOC
Depth of Well (feet):	20.78	Groundwater Surface Elevation:	
Water Column (feet):	14.49	LNAPL present: N/A	thickness:
Casing Volume (gallons/liters):	2.36	DNAPL present: N/A	thickness:
Calculated Purge Volume (gallons/liters):	7.08	Remarks:	
Actual Purge Volume (gallons/liters):	1.5		
Pump Intake Depth (feet):	~15'	Ferrous Iron (mg/L):	0.23 mg/L

Well Evacuation
Water level recovery is: very slow slow moderate fast Bailed dry: yes no

TIME 2400 hrs	CUMULATIVE VOLUME (gal)	TEMPERATURE (°C)	pH	DISSOLVED OXYGEN (mg/L)	ORP (mV)	CONDUCTIVITY ~~(µs/cm)~~ (mS/cm)	TURBIDITY (NTU)	Depth to Water (Feet)	ODOR/COLOR/ REMARKS
	0								PURGE START
1125	1/4	24.93	4.94	1.57	489	0.040	12.7	6.31	NONE / CLEAR
1132	1/2	24.97	4.93	1.24	484	0.040	9.4	6.58	" / "
1138	3/4	24.98	4.92	0.94	482	0.040	8.8	6.64	" / "
1145	1	25.01	4.95	0.92	481	0.040	8.6	6.65	" / "
1152	1 1/4	25.03	4.96	0.94	479	0.040	7.9	6.66	" / "
1158	1 1/2	25.06	4.96	0.96	477	0.040	7.7	6.66	" / "
		SAMPLED @ 1200				RSLC SAMPLED 011 4-17-24 @ 0830	175		

Measurement and Sampling Equipment

Type	Manufacturer	Model #	Calibration Date
Hanna 98194	~~Hanna~~ HORIBA U5000	SN ~~556~~ U1025054	4-16-24
Peristaltic Pump	Geotech	Geopump 5840	N/A

SAMPLE NUMBER	ANALYTICAL METHOD	BOTTLE TYPE/ PRESERVATIVES	QA REMARKS
3	VOCs	40 ml glass vial / HCL	
3	1,4 - Dioxane	40 ml glass vial	
3	Diss. Gasses	40 ml glass vial / HCL	
1	TOC	250 ml glass / H2SO4	
1	NO3/SO4/Cl	250 ml HDPE / none	
1	Sulfide	125 ml HDPE / ZnAcetate + NaOH	
1	Alkalinity	125 ml HDPE / none	

WSP

Groundwater Sampling Record

WELL No. MW-4D	PROJECT # 02.20160378.23	LOCATION: Blackville, SC	DATE 4-16-24
SAMPLE No. MW-4D	PROJECT NAME: Lennox, Blackville, SC	FIELD PERSONNEL/COMPANY: STEVE TYLER / WSP	
SAMPLE TIME: 1115	SITE :	FIELD CONDITIONS/WEATHER	

Well Condition Inspection (circle one)

cover: locked / not locked
number: legible / not legible
outer casing: good / fair / poor
inner casing: good / fair / poor
well photographed: yes / no

Equipment Cleaning Procedures

- potable water and phosphate-free soap
- potable water rinse
- water rinse: distilled / deionized
- solvent rinse: acetone / hexane
- air dry

Casing Diameter: (circle one) 2" / 4" / 6" / Other:____

Casing Volume Calculation: $(\pi r^2 h)(7.48\ gal/ft^3)$
Casing Volume (gallons/ft) for: 2" = 0.163; 4" = 0.653; 6" = 1.47
Casing Volume (liters/ft) for: 2" = 0.618; 4" = 2.47; 6" = 5.56

Depth to Water (feet):	9.09	Measuring Point Elevation (feet):	TOC
Depth of Well (feet):	82	Groundwater Surface Elevation:	
Water Column (feet):	72.91	LNAPL present: N/A	thickness:
Casing Volume (gallons/liters):	11.83	DNAPL present: N/A	thickness:
Calculated Purge Volume (gallons/liters):	35.6	Remarks:	
Actual Purge Volume (gallons/liters):	2.5		
Pump Intake Depth (feet):	~70'	Ferrous Iron (mg/L):	0.03 mg/L

Well Evacuation
Water level recovery is: very slow / slow / moderate / fast
Bailed dry: yes / no

TIME 2400 hrs	CUMULATIVE VOLUME (gal)	TEMPERATURE (°C)	pH	DISSOLVED OXYGEN (mg/L)	ORP (mV)	CONDUCTIVITY ~~(µs/cm)~~ (mS/cm)	TURBIDITY (NTU)	Depth to Water (Feet)	ODOR/COLOR/ REMARKS
	0								PURGE START
1031	1/4	21.35	5.00	5.02	472	0.019	4.5	9.09	HOSE/CLEAR
1038	1/2	21.54	4.98	4.24	471	0.019	3.9	9.76	" / "
1045	1	21.82	4.98	3.21	471	0.019	2.1	9.82	" / "
1052	1 1/2	22.03	4.98	2.59	470	0.019	1.6	10.13	" / "
1100	2	22.06	4.98	2.16	472	0.019	0.8	10.38	" / "
1108	2 1/2	22.09	4.98	2.11	472	0.019	0.7	10.41	" / "
		SAMPLED @	1115			RSK-175 SAMPLED ON 4-17-24 @ 0820			

Measurement and Sampling Equipment

Type	Manufacturer	Model #	Calibration Date
Hanna 98194	~~Hanna~~ HARIBA U50000	SN 556 U102505X	4-16-24
Peristaltic Pump	Geotech	Geopump 5840	N/A

SAMPLE NUMBER	ANALYTICAL METHOD	BOTTLE TYPE/ PRESERVATIVES	QA REMARKS
3	VOCs	40 ml glass vial / HCL	
3	1,4 - Dioxane	40 ml glass vial	RSK
3	Diss. Gasses	40 ml glass vial / HCL	
1	TOC	250 ml glass / H2SO4	
1	NO3/SO4/Cl	250 ml HDPE / none	
1	Sulfide	125 ml HDPE / ZnAcetate + NaOH	
1	Alkalinity	125 ml HDPE / none	

WSP

Groundwater Sampling Record

WELL No. MW-5	PROJECT # 02.20160378.23	LOCATION: Blackville, SC	DATE 4-17-24
SAMPLE No. MW-5	PROJECT NAME: Lennox, Blackville, SC	FIELD PERSONNEL/COMPANY: STEVE TYLER / WSP	
SAMPLE TIME: 1300	SITE:	FIELD CONDITIONS/WEATHER	

Well Condition Inspection (circle one)

- cover: locked / not locked
- number: legible / not legible
- outer casing: good / fair / poor
- inner casing: good / fair / poor
- well photographed: yes / no

Equipment Cleaning Procedures

- potable water and phosphate-free soap
- potable water rinse
- water rinse: distilled / deionized
- solvent rinse: acetone / hexane
- air dry

Casing Diameter: (circle one) 2" 4" 6" Other: 1"

Casing Volume Calculation: $(\pi r^2 h)(7.48\ gal/ft^3)$
Casing Volume (gallons/ft) for: 2" = 0.163; 4" = 0.653; 6" = 1.47
Casing Volume (liters/ft) for: 2" = 0.618; 4" = 2.47; 6" = 5.56

Depth to Water (feet):	5.46	Measuring Point Elevation (feet):	TOC
Depth of Well (feet):	20	Groundwater Surface Elevation:	
Water Column (feet):	14.54	LNAPL present: N/A	thickness:
Casing Volume (gallons/liters):	1.01	DNAPL present: N/A	thickness:
Calculated Purge Volume (gallons/liters):	3.05	Remarks:	
Actual Purge Volume (gallons/liters):	1		
Pump Intake Depth (feet):	~16'	Ferrous Iron (mg/L):	2.29 mg/L

Well Evacuation
Water level recovery is: very slow slow moderate fast
Bailed dry: yes no

TIME 2400 hrs	CUMULATIVE VOLUME (gal)	TEMPERATURE (°C)	pH	DISSOLVED OXYGEN (mg/L)	ORP (mV)	CONDUCTIVITY ~~(µs/cm)~~ (mS/cm)	TURBIDITY (NTU)	Depth to Water (Feet)	ODOR/COLOR/ REMARKS
	0								PURGE START
1/4	1235	19.79	4.85	0.18	284	0.094	0.8	5.46	NONE/CLEAR
1/2	1243	20.04	4.85	0.14	283	0.094	0.9	5.66	" / "
3/4	1249	20.09	4.85	0.11	282	0.094	0.5	5.67	" / "
1	1255	20.12	4.85	0.10	280	0.094	0.7	5.68	" / "
			SAMPLED AT	~~1300~~ SP					
				1300					

Measurement and Sampling Equipment

Type	Manufacturer		Model #	Calibration Date
Hanna 98194	Hanna	U5000 SN ~~556~~	U102505X	4-17-24
Peristaltic Pump	Geotech	Geopump	5840	N/A

SAMPLE NUMBER	ANALYTICAL METHOD	BOTTLE TYPE/ PRESERVATIVES	QA REMARKS
3	VOCs	40 ml glass vial / HCL	
3	1,4 - Dioxane	40 ml glass vial	
3	Diss. Gasses	40 ml glass vial / HCL	
1	TOC	250 ml glass / H_2SO_4	
1	NO3/SO4/Cl	250 ml HDPE / none	
1	Sulfide	125 ml HDPE / ZnAcetate + NaOH	
1	Alkalinity	125 ml HDPE / none	

wsp

Groundwater Sampling Record

WELL No. MW-6R	PROJECT # 02.20160378.23	LOCATION: Blackville, SC	DATE 4/16/24
SAMPLE No. MW-6R	PROJECT NAME: Lennox, Blackville, SC	FIELD PERSONNEL/COMPANY: NW	
SAMPLE TIME: 1100	SITE : Lennox	FIELD CONDITIONS/WEATHER Sunny 75°F	

Well Condition Inspection (circle one)

cover: (locked) not locked
number: legible (not legible)
outer casing: (good) fair poor
inner casing: (good) fair poor
well photographed: yes (no)

Equipment Cleaning Procedures

- potable water and phosphate-free soap
- potable water rinse
- water rinse: (distilled) deionized
- solvent rinse: acetone hexane
- (air dry)

Casing Diameter: (circle one) (2") 4" 6" Other:____

Casing Volume Calculation: $(\pi r^2 h)(7.48\ gal/ft^3)$
Casing Volume (gallons/ft) for: 2" = 0.163; 4" = 0.653; 6" = 1.47
Casing Volume (liters/ft) for: 2" = 0.618; 4" = 2.47; 6" = 5.56

Depth to Water (feet):	1.10	Measuring Point Elevation (feet):	TOC
Depth of Well (feet):	15	Groundwater Surface Elevation:	
Water Column (feet):	13.90	LNAPL present:	NO thickness:
Casing Volume (gallons/liters):	2.27 gal	DNAPL present:	NO thickness:
Calculated Purge Volume (gallons/liters):	6.80 gal	Remarks:	
Actual Purge Volume (gallons/liters):	2.0		
Pump Intake Depth (feet):	12	Ferrous Iron (mg/L):	0.02 mg/L

Well Evacuation
Water level recovery is: very slow slow (moderate) fast Bailed dry: yes (no)

TIME 2400 hrs	CUMULATIVE VOLUME (gal)	TEMPERATURE (°C)	pH	DISSOLVED OXYGEN (mg/L)	ORP (mV)	CONDUCTIVITY (µs/cm)	TURBIDITY (NTU)	Depth to Water (Feet)	ODOR/COLOR/ REMARKS
1035	0								PURGE START
1040	0.3	21.34	5.52	1.80	360	80	10.6	1.26	Clear
1045	0.5	21.03	5.58	0.00	414	83	4.6	1.27	Clear
1050	0.75	20.85	5.59	0.00	424	80	6.1	1.28	Clear
1055	1.00	20.73	5.59	0.00	422	78	4.8	1.30	Clear
1100	1.25	20.65	5.59	0.00	418	77	3.9	1.31	Clear
		Sample Time: 1100							

Measurement and Sampling Equipment

Type	Manufacturer	Model #	Calibration Date
~~Hanna 98194~~ Horiba	~~Hanna~~	SN 556 U93265X	4/16/24
Peristaltic Pump	Geotech	Geopump U106 785X	N/A

SAMPLE NUMBER	ANALYTICAL METHOD	BOTTLE TYPE/ PRESERVATIVES	QA REMARKS
3	VOCs	40 ml glass vial / HCL	
3	1,4 - Dioxane	40 ml glass vial	
3	Diss. Gasses	40 ml glass vial / HCL	Collected 4/17 @ 0835
1	TOC	250 ml glass / H2SO4	
1	NO3/SO4/Cl	250 ml HDPE / none	
1	Sulfide	125 ml HDPE / ZnAcetate + NaOH	
1	Alkalinity	125 ml HDPE / none	

wsp

Groundwater Sampling Record

WELL No. MW-7	PROJECT # 02.20160378.23	LOCATION: Blackville, SC	DATE 4/16/24
SAMPLE No. MW-7	PROJECT NAME: Lennox, Blackville, SC	FIELD PERSONNEL/COMPANY: NW	
SAMPLE TIME: 1245	SITE: Lennox	FIELD CONDITIONS/WEATHER Sunny 80°F	

Well Condition Inspection (circle one)

cover:	(locked)	not locked	
number:	(legible)	not legible	
outer casing:	(good)	fair	poor
inner casing:	(good)	fair	poor
well photographed:	yes	(no)	

Equipment Cleaning Procedures

- potable water and phosphate-free soap
- potable water rinse
- water rinse: (distilled) deionized
- solvent rinse: acetone hexane
- (air dry)

Casing Diameter: (circle one) 2" 4" 6" Other: 1"

Casing Volume Calculation: $(\pi r^2 h)(7.48\ gal/ft^3)$
Casing Volume (gallons/ft) for: 2" = 0.163; 4" = 0.653; 6" = 1.47
Casing Volume (liters/ft) for: 2" = 0.618; 4" = 2.47; 6" = 5.56

Depth to Water (feet):	4.61	Measuring Point Elevation (feet):	TOC
Depth of Well (feet):	12	Groundwater Surface Elevation:	
Water Column (feet):	7.39	LNAPL present:	No thickness:
Casing Volume (gallons/liters):	1.20 gal	DNAPL present:	NO thickness:
Calculated Purge Volume (gallons/liters):	3.60 gal	Remarks:	well purged dry @ 1205
Actual Purge Volume (gallons/liters):	1.5 gal		
Pump Intake Depth (feet):	8	Ferrous Iron (mg/L):	3.30 mg/L

Well Evacuation
Water level recovery is: very slow slow (moderate) fast Bailed dry: yes (no)

TIME 2400 hrs	CUMULATIVE VOLUME (gal)	TEMPERATURE (°C)	pH	DISSOLVED OXYGEN (mg/L)	ORP (mV)	CONDUCTIVITY (µs/cm)	TURBIDITY (NTU)	Depth to Water (Feet)	ODOR/COLOR/ REMARKS
1140	0								PURGE START
1145	0.25	21.67	6.32	0.00	53	86	46.1	8.62	Clear
1150	0.5	21.45	5.81	0.00	73	91	43.4	9.51	Clear
1155	0.75	21.37	5.91	0.00	64	92	60.2	10.81	Clear
1200	1.0	21.36	5.88	0.00	68	89	58.7	11.46	Clear
1205	1.25	21.34	5.86	0.00	65	90	56.2	12.14	Clear
		Sample Time: 1245							

Measurement and Sampling Equipment

Type	Manufacturer	Model #	Calibration Date
~~Hanna 98194~~ Horiba	~~Hanna~~	SN 556 U9326SX	4/16/24
Peristaltic Pump	Geotech	Geopump U1067657X	N/A

SAMPLE NUMBER	ANALYTICAL METHOD	BOTTLE TYPE/ PRESERVATIVES	QA REMARKS
3	VOCs	40 ml glass vial / HCL	
3	1,4 - Dioxane	40 ml glass vial	
3	Diss. Gasses	40 ml glass vial / HCL	Collected 4/17 @ 0820
1	TOC	250 ml glass / H2SO4	
1	NO3/SO4/Cl	250 ml HDPE / none	
1	Sulfide	125 ml HDPE / ZnAcetate + NaOH	
1	Alkalinity	125 ml HDPE / none	

wsp

Groundwater Sampling Record

WELL No. MW-8	PROJECT # 02.20160378.23	LOCATION: Blackville, SC	DATE 4/16/24
SAMPLE No. MW-8	PROJECT NAME: Lennox, Blackville, SC	FIELD PERSONNEL/COMPANY: NW	
SAMPLE TIME: 1400	SITE: Lennox	FIELD CONDITIONS/WEATHER Sunny 80°F	

Well Condition Inspection (circle one)

cover: (locked) not locked
number: legible (not legible)
outer casing: good (fair) poor
inner casing: good (fair) poor
well photographed: yes (no)

Equipment Cleaning Procedures

- potable water and phosphate-free soap
- potable water rinse
- water rinse: (distilled) deionized
- solvent rinse: acetone hexane
- (air dry)

Casing Diameter: (circle one) 2" 4" 6" Other: 1"

Casing Volume Calculation: $(\pi r^2 h)(7.48\ gal/ft^3)$
Casing Volume (gallons/ft) for: 2" = 0.163; 4" = 0.653; 6" = 1.47
Casing Volume (liters/ft) for: 2" = 0.618; 4" = 2.47; 6" = 5.56

Depth to Water (feet):	0.20	Measuring Point Elevation (feet):	TOC
Depth of Well (feet):	12	Groundwater Surface Elevation:	
Water Column (feet):	11.80	LNAPL present: No	thickness:
Casing Volume (gallons/liters):	0.8 gal	DNAPL present: NO	thickness:
Calculated Purge Volume (gallons/liters):	2.4 gal	Remarks: Purged dry @ 1332	
Actual Purge Volume (gallons/liters):			
Pump Intake Depth (feet):	8	Ferrous Iron (mg/L):	2.01 mg/L

Well Evacuation

Water level recovery is: (very slow) slow moderate fast — Bailed dry: yes no

TIME 2400 hrs	CUMULATIVE VOLUME (gal)	TEMPERATURE (°C)	pH	DISSOLVED OXYGEN (mg/L)	ORP (mV)	CONDUCTIVITY (µs/cm)	TURBIDITY (NTU)	Depth to Water (Feet)	ODOR/COLOR/ REMARKS
1320	0								PURGE START
1325	0.25	21.47	5.98	0.00	154	150	8.5	6.58	Clear
1330	0.5	21.41	5.76	0.00	200	144	8.9	10.38	Clear
1335	0.75	—	—	—	—	—	—	DRY	
		Sample Time: 1400 on 4/16 for SO4/NO3/Cl/Alk ONLY							
			0750 on 4/17 for all other analytes						

Measurement and Sampling Equipment

Type	Manufacturer	Model #	Calibration Date
~~Hanna 98194~~ Horiba	~~Hanna~~	SN 556 U93265X	4/16/24
Peristaltic Pump	Geotech	Geopump U1067485x	N/A

SAMPLE NUMBER	ANALYTICAL METHOD	BOTTLE TYPE/ PRESERVATIVES	QA REMARKS
3	VOCs	40 ml glass vial / HCL	4/17 @ 0750
3	1,4 - Dioxane	40 ml glass vial	4/17 @ 0750
3	Diss. Gasses	40 ml glass vial / HCL	4/17 @ 0750
1	TOC	250 ml glass / H2SO4	4/17 @ 0750
1	NO3/SO4/Cl	250 ml HDPE / none	4/16 @ 1400
1	Sulfide	125 ml HDPE / ZnAcetate + NaOH	4/17 @ 0750
1	Alkalinity	125 ml HDPE / none	4/16 @ 1400

WSP

Groundwater Sampling Record

WELL No. MW-10	PROJECT # 02.20160378.23	LOCATION: Blackville, SC	DATE ~~4-16-24~~ 4-16-24
SAMPLE No. MW-10	PROJECT NAME: Lennox, Blackville, SC	FIELD PERSONNEL/COMPANY: STEVE TYLER / WSP	
SAMPLE TIME: 1500	SITE :	FIELD CONDITIONS/WEATHER	

Well Condition Inspection (circle one)

cover: locked / not locked
number: legible / not legible
outer casing: good / fair / poor
inner casing: good / fair / poor
well photographed: yes / no

Equipment Cleaning ~~Procedures~~

- potable water and phosphate-free soap
- potable water rinse
- water rinse: distilled / deionized
- solvent rinse: ~~acetone~~ / hexane
- air dry

Casing Diameter: (circle one) 2" 4" 6" Other: 1"

Casing Volume Calculation: $(\pi r^2 h)(7.48\ gal/ft^3)$
Casing Volume (gallons/ft) for: 2" = 0.163; 4" = 0.653; 6" = 1.47
Casing Volume (liters/ft) for: 2" = 0.618; 4" = 2.47; 6" = 5.56

Depth to Water (feet):	4.23	Measuring Point Elevation (feet):	TOC
Depth of Well (feet):	12.33	Groundwater Surface Elevation:	
Water Column (feet):	8.10	LNAPL present: N/A	thickness:
Casing Volume (gallons/liters):	1.32	DNAPL present: N/A	thickness:
Calculated Purge Volume (gallons/liters):	3.96	Remarks:	
Actual Purge Volume (gallons/liters):			
Pump Intake Depth (feet):	~91'	Ferrous Iron (mg/L):	1.34 mg/L

Well Evacuation
Water level recovery is: very slow / slow / moderate / fast
Bailed dry: yes / no

TIME 2400 hrs	CUMULATIVE VOLUME (gal)	TEMPERATURE (°C)	pH	DISSOLVED OXYGEN (mg/L)	ORP (mV)	CONDUCTIVITY ~~(µs/cm)~~ (mS/cm)	TURBIDITY (NTU)	Depth to Water (Feet)	ODOR/COLOR/ REMARKS
	0								PURGE START
1435	1/4	24.12	4.91	0.08	152	0.049	12.4	4.23	NONE/CLEAR
1442	1/2	24.19	4.95	0.07	144	0.048	9.71	4.25	" / "
1449	3/4	24.27	4.96	0.06	141	0.048	9.33	4.26	" / "
1446	1	24.31	4.96	0.05	147	0.048	8.97	4.26	" / "
		SAMPLED @ 1500				RSX 175 ON 4-17-24 @ 0915	SAMPLED		

Measurement and Sampling Equipment

Type	Manufacturer		Model #	Calibration Date
Hanna 98194	~~Hanna~~ HORIBA	U5000 SN ~~556~~	U10 2505X	4-16-24
Peristaltic Pump	Geotech	Geopump	5840	N/A

SAMPLE NUMBER	ANALYTICAL METHOD	BOTTLE TYPE/ PRESERVATIVES	QA REMARKS
3	VOCs	40 ml glass vial / HCL	
3	1,4 - Dioxane	40 ml glass vial	
3	Diss. Gasses	40 ml glass vial / HCL	
1	TOC	250 ml glass / H2SO4	
1	NO3/SO4/Cl	250 ml HDPE / none	
1	Sulfide	125 ml HDPE / ZnAcetate + NaOH	
1	Alkalinity	125 ml HDPE / none	

WSP

Groundwater Sampling Record

WELL No. MW-11	PROJECT # 02.20160378.23	LOCATION: Blackville, SC	DATE 4-17-24
SAMPLE No. MW-11	PROJECT NAME: Lennox, Blackville, SC	FIELD PERSONNEL/COMPANY: STEVE TYLER / WSP	
SAMPLE TIME: 1220	SITE :	FIELD CONDITIONS/WEATHER CLOUDY / 70s	

Well Condition Inspection (circle one)

cover: (locked) not locked
number: (legible) not legible
outer casing: (good) fair poor
inner casing: (good) fair poor
well photographed: yes (no)

Equipment Cleaning Procedures

- potable water and phosphate-free soap
- potable water rinse
- water rinse: (distilled) deionized
- solvent rinse: acetone hexane
- air dry

Casing Diameter: (circle one) 2" 4" 6" Other: 1"

Casing Volume Calculation: $(\pi r^2 h)(7.48\ gal/ft^3)$
Casing Volume (gallons/ft) for: 2" = 0.163; 4" = 0.653; 6" = 1.47
Casing Volume (liters/ft) for: 2" = 0.618; 4" = 2.47; 6" = 5.56

Depth to Water (feet):	6.61	Measuring Point Elevation (feet):	TOC
Depth of Well (feet):	12	Groundwater Surface Elevation:	
Water Column (feet):	5.39	LNAPL present: N/A	thickness:
Casing Volume (gallons/liters):	0.37	DNAPL present: N/A	thickness:
Calculated Purge Volume (gallons/liters):	1.13	Remarks:	
Actual Purge Volume (gallons/liters):	1.5		
Pump Intake Depth (feet):	~9'	Ferrous Iron (mg/L):	1.45 mg/L

Well Evacuation

Water level recovery is: very slow slow (moderate) fast Bailed dry: yes (no)

TIME 2400 hrs	CUMULATIVE VOLUME (gal)	TEMPERATURE (°C)	pH	DISSOLVED OXYGEN (mg/L)	ORP (mV)	CONDUCTIVITY ~~(µs/cm)~~ (mS/cm)	TURBIDITY (NTU)	Depth to Water (Feet)	ODOR/COLOR/ REMARKS
	0								PURGE START
1145	1/4	21.07	4.78	8.08	246	0.112	6.1	6.61	NONE/CLEAR
1150	1/2	21.60	5.05	7.78	267	0.111	6.3	6.75	" / "
1156	3/4	21.53	5.02	7.80	269	0.111	5.8	6.78	" / "
1202	1	21.56	5.00	7.83	270	0.111	6.4	6.80	" / "
1208	1 1/4	21.60	4.96	7.85	271	0.110	6.1	6.81	" / "
1214	1 1/2	21.62	4.98	7.79	271	0.111	6.8	6.82	" / "
		SAMPLED @ 1220							

Measurement and Sampling Equipment

Type	Manufacturer		Model #	Calibration Date
Hanna 98194	Hanna	SN ~~656~~ U5000	01025054	4-17-24
Peristaltic Pump	Geotech	Geopump	5540	N/A

SAMPLE NUMBER	ANALYTICAL METHOD	BOTTLE TYPE/ PRESERVATIVES	QA REMARKS
3	VOCs	40 ml glass vial / HCL	
3	1,4 - Dioxane	40 ml glass vial	
3	Diss. Gasses	40 ml glass vial / HCL	
1	TOC	250 ml glass / H2SO4	
1	NO3/SO4/Cl	250 ml HDPE / none	
1	Sulfide	125 ml HDPE / ZnAcetate + NaOH	
1	Alkalinity	125 ml HDPE / none	

WSP

Groundwater Sampling Record

WELL No. MW-14	PROJECT # 02.20160378.23	LOCATION: Blackville, SC	DATE 4-17-24
SAMPLE No. MW-14	PROJECT NAME: Lennox, Blackville, SC	FIELD PERSONNEL/COMPANY: STEVE TYNDALL/WSP	
SAMPLE TIME: 1000	SITE :	FIELD CONDITIONS/WEATHER CLOUDY/60's	

Well Condition Inspection (circle one)

cover: locked / not locked
number: legible / not legible
outer casing: good / fair / poor
inner casing: good / fair / poor
well photographed: yes / no

Equipment Cleaning Procedures

- potable water and phosphate-free soap
- ~~potable water rinse~~
- water rinse: distilled / deionized
- solvent rinse: acetone / hexane
- air dry

Casing Diameter: (circle one) 2" / 4" / 6" / Other: 1"

Casing Volume Calculation: $(\pi r^2 h)(7.48\ gal/ft^3)$
Casing Volume (gallons/ft) for: 2" = 0.163; 4" = 0.653; 6" = 1.47
Casing Volume (liters/ft) for: 2" = 0.618; 4" = 2.47; 6" = 5.56

Depth to Water (feet):	6.29	Measuring Point Elevation (feet):	TOC
Depth of Well (feet):	13.41	Groundwater Surface Elevation:	
Water Column (feet):	7.12	LNAPL present: N/A	thickness:
Casing Volume (gallons/liters):	0.534	DNAPL present: N/A	thickness:
Calculated Purge Volume (gallons/liters):	1.60	Remarks:	
Actual Purge Volume (gallons/liters):			
Pump Intake Depth (feet):	10'	Ferrous Iron (mg/L):	2.77 mg/L

Well Evacuation

Water level recovery is: very slow / slow / moderate / fast
Bailed dry: yes / no

TIME 2400 hrs	CUMULATIVE VOLUME (gal)	TEMPERATURE (°C)	pH	DISSOLVED OXYGEN (mg/L)	ORP (mV)	CONDUCTIVITY ~~(µs/cm)~~ (mS/cm)	TURBIDITY (NTU)	Depth to Water (Feet)	ODOR/COLOR/ REMARKS
	0								PURGE START
0930	1/4	16.75	5.07	1.51	243	0.049	8.9	6.29	NONE/CLEAR
0940	1/2	17.36	5.06	1.33	244	0.050	9.2	6.36	" / "
0948	3/4	17.47	5.09	0.98	239	0.048	7.7	6.38	" / "
0956	1	17.48	5.10	0.93	236	0.048	7.1	6.39	" / "
			SAMPLED @ 1000						

Measurement and Sampling Equipment

Type	Manufacturer		Model #	Calibration Date
Hanna 98194	~~Hanna~~ HORIBA	U5007 SN 556	U10505X	4-17-24
Peristaltic Pump	Geotech	Geopump	5840	N/A

SAMPLE NUMBER	ANALYTICAL METHOD	BOTTLE TYPE/ PRESERVATIVES	QA REMARKS
3	VOCs	40 ml glass vial / HCL	
3	1,4 - Dioxane	40 ml glass vial	
3	Diss. Gasses	40 ml glass vial / HCL	
1	TOC	250 ml glass / H2SO4	
1	NO3/SO4/Cl	250 ml HDPE / none	
1	Sulfide	125 ml HDPE / ZnAcetate + NaOH	
1	Alkalinity	125 ml HDPE / none	

wsp

Groundwater Sampling Record

WELL No. MW-15	PROJECT # 02.20160378.23	LOCATION: Blackville, SC	DATE 4/16/24
SAMPLE No. MW-15	PROJECT NAME: Lennox, Blackville, SC	FIELD PERSONNEL/COMPANY: NW	
SAMPLE TIME: 1000	SITE : Lennox	FIELD CONDITIONS/WEATHER Sunny 75°	

Well Condition Inspection (circle one)

cover: (locked) not locked
number: (legible) not legible
outer casing: (good) fair poor
inner casing: (good) fair poor
well photographed: yes (no)

Equipment Cleaning Procedures

- potable water and phosphate-free soap
- potable water rinse
- water rinse: (distilled) deionized
- solvent rinse: acetone hexane
- air dry

Casing Diameter: (circle one) (2") 4" 6" Other:____

Casing Volume Calculation: $(\pi r^2 h)(7.48\ gal/ft^3)$
Casing Volume (gallons/ft) for: 2" = 0.163; 4" = 0.653; 6" = 1.47
Casing Volume (liters/ft) for: 2" = 0.618; 4" = 2.47; 6" = 5.56

Depth to Water (feet):	5.70	Measuring Point Elevation (feet):	TOC
Depth of Well (feet):	19	Groundwater Surface Elevation:	
Water Column (feet):	13.3	LNAPL present:	NO thickness:
Casing Volume (gallons/liters):	2.17 gal	DNAPL present:	NO thickness:
Calculated Purge Volume (gallons/liters):	6.50 gal	Remarks:	
Actual Purge Volume (gallons/liters):	1.5 gal		
Pump Intake Depth (feet):	~14	Ferrous Iron (mg/L):	0.19 mg/L

Well Evacuation
Water level recovery is: very slow slow moderate (fast) Bailed dry: yes (no)

TIME 2400 hrs	CUMULATIVE VOLUME (gal)	TEMPERATURE (°C)	pH	DISSOLVED OXYGEN (mg/L)	ORP (mV)	CONDUCTIVITY (µs/cm)	TURBIDITY (NTU)	Depth to Water (Feet)	ODOR/COLOR/ REMARKS
0930	0								PURGE START
0935	0.25	19.99	5.93	0.00	260	113	20.2	5.95	Clear
0940	0.50	19.94	5.73	0.00	274	100	16.1	5.97	clear
0945	0.75	19.93	5.70	0.00	285	88	15.8	5.98	Clear
0950	1.00	19.94	5.69	0.00	292	86	15.4	5.99	Clear
0955	1.25	19.99	5.69	0.00	303	85	11.9	6.00	Clear
1000	1.5	20.04	5.69	0.00	307	83	7.9	6.00	clear
		Sample Time: 1000							

Measurement and Sampling Equipment

Type	Manufacturer		Model #	Calibration Date
~~Hanna 98194~~ Hor. Iron	~~Hanna~~	SN 556	U93265X	4/16/24
Peristaltic Pump	Geotech	Geopump	U706785X	NA

SAMPLE NUMBER	ANALYTICAL METHOD	BOTTLE TYPE/ PRESERVATIVES	QA REMARKS
3	VOCs	40 ml glass vial / HCL	
3	1,4 - Dioxane	40 ml glass vial	
3	Diss. Gasses	40 ml glass vial / HCL	collected 4/17 @ 0850
1	TOC	250 ml glass / H2SO4	
1	NO3/SO4/Cl	250 ml HDPE / none	
1	Sulfide	125 ml HDPE / ZnAcetate + NaOH	
1	Alkalinity	125 ml HDPE / none	

wsp

Groundwater Sampling Record

WELL No. MW-16	PROJECT # 02.20160378.23	LOCATION: Blackville, SC	DATE 4-16-24
SAMPLE No. MW-16	PROJECT NAME: Lennox, Blackville, SC	FIELD PERSONNEL/COMPANY: STEVE TYLER / WSP	
SAMPLE TIME: ~~0745~~ 0835	SITE:	FIELD CONDITIONS/WEATHER CLEAR / 60s	

Well Condition Inspection (circle one)

cover:	locked	not locked	
number:	legible	not legible	
outer casing:	good	fair	poor
inner casing:	good	fair	poor
well photographed:	yes	no	

Equipment Cleaning Procedures

- potable water and phosphate-free soap
- potable water rinse
- water rinse: distilled / deionized
- solvent rinse: acetone / hexane
- air dry

Casing Diameter: (circle one) 2" 4" 6" Other:___

Casing Volume Calculation: $(\pi r^2 h)(7.48\ gal/ft^3)$
Casing Volume (gallons/ft) for: 2" = 0.163; 4" = 0.653; 6" = 1.47
Casing Volume (liters/ft) for: 2" = 0.618; 4" = 2.47; 6" = 5.56

Depth to Water (feet):	3.40	Measuring Point Elevation (feet):	
Depth of Well (feet):	20.	Groundwater Surface Elevation:	
Water Column (feet):	16.6	LNAPL present: N/A	thickness:
Casing Volume (gallons/liters):	2.70	DNAPL present: N/A	thickness:
Calculated Purge Volume (gallons/liters):	8.11	Remarks:	
Actual Purge Volume (gallons/liters):	1.5		
Pump Intake Depth (feet):	~15'	Ferrous Iron (mg/L):	0.14 mg/L

Well Evacuation
Water level recovery is: very slow slow moderate fast
Bailed dry: yes no

TIME 2400 hrs	CUMULATIVE VOLUME (gal)	TEMPERATURE (°C)	pH	DISSOLVED OXYGEN (mg/L)	ORP (mV)	CONDUCTIVITY ~~(µs/cm)~~ (mS/cm)	TURBIDITY (NTU)	Depth to Water (Feet)	ODOR/COLOR/ REMARKS
	0								PURGE START
0745	1/4	17.86	4.33	6.59	468	0.088	12.1	3.40	NONE / CLEAR
0750	1/2	17.98	4.31	4.87	471	0.097	9.8	3.46	" / "
0800	3/4	18.07	4.30	4.65	473	0.098	8.9	3.46	" / "
0810	1	18.07	4.29	4.32	475	0.098	7.4	3.46	" / "
0820	1 1/4	18.06	4.27	4.17	478	0.098	7.0	3.47	" / "
0825	1 1/2	18.05	4.27	4.16	481	0.098	6.7	3.47	" / "
				SAMPLED @ 0835			RSK 175 SAMPLED @ 4-17-24 0750		

Measurement and Sampling Equipment

Type	Manufacturer		Model #	Calibration Date
Hanna 98194	~~Hanna~~ Horiba	SN 556	U102505X	4-16-24
Peristaltic Pump	Geotech	Geopump	5840	N/A

SAMPLE NUMBER	ANALYTICAL METHOD	BOTTLE TYPE/ PRESERVATIVES	QA REMARKS
3	VOCs	40 ml glass vial / HCL	
3	1,4 - Dioxane	40 ml glass vial	
3	Diss. Gasses	40 ml glass vial / HCL	
1	TOC	250 ml glass / H2SO4	
1	NO3/SO4/Cl	250 ml HDPE / none	
1	Sulfide	125 ml HDPE / ZnAcetate + NaOH	
1	Alkalinity	125 ml HDPE / none	

WSP

Groundwater Sampling Record

WELL No. MW-17	PROJECT # 02.20160378.23	LOCATION: Blackville, SC	DATE 4-17-24
SAMPLE No. MW-17	PROJECT NAME: Lennox, Blackville, SC	FIELD PERSONNEL/COMPANY: STEVE TYLER/WSP	
SAMPLE TIME:	SITE :	FIELD CONDITIONS/WEATHER Cloudy 60's	

Well Condition Inspection (circle one)

cover: locked / not locked
number: legible / not legible
outer casing: good / fair / poor
inner casing: good / fair / poor
well photographed: yes / no

Equipment Cleaning Procedures

- potable water and phosphate-free soap
- potable water rinse
- water rinse: distilled / deionized
- solvent rinse: acetone / hexane
- air dry

Casing Diameter: (circle one) 2" / 4" / 6" / Other:____

Casing Volume Calculation: $(\pi r^2 h)(7.48\ gal/ft^3)$
Casing Volume (gallons/ft) or: 2" = 0.163; 4" = 0.653; 6" = 1.47
Casing Volume (liters/ft) for: 2" = 0.618; 4" = 2.47; 6" = 5.56

Depth to Water (feet):	8.61	Measuring Point Elevation (feet):	TOC
Depth of Well (feet):	30	Groundwater Surface Elevation:	
Water Column (feet):	21.39	LNAPL present: N/A	thickness:
Casing Volume (gallons/liters):	3.48	DNAPL present: N/A	thickness:
Calculated Purge Volume (gallons/liters):	10.44	Remarks:	
Actual Purge Volume (gallons/liters):			
Pump Intake Depth (feet):	~24'	Ferrous Iron (mg/L):	0.23 mg/L

Well Evacuation
Water level recovery is: very slow / slow / moderate / fast
Bailed dry: yes / no

TIME 2400 hrs	CUMULATIVE VOLUME (gal)	TEMPERATURE (°C)	pH	DISSOLVED OXYGEN (mg/L)	ORP (mV)	CONDUCTIVITY ~~(µs/cm)~~ (mS/cm)	TURBIDITY (NTU)	Depth to Water (Feet)	ODOR/COLOR/ REMARKS
	0								PURGE START
1035	1 1/4	19.46	4.59	2.56	364	0.051	10.2	8.61	HAZE/CLEAR
1042	1 1/2	19.53	4.57	1.92	380	0.051	9.3	8.73	" / "
1054	1	19.67	4.54	1.80	401	0.052	8.0	8.75	" / "
1110	1 1/2	19.71	4.54	1.74	403	0.052	7.7	8.75	" / "
1123	2							8.76	" "
		SAMPLED @ 1130							

Measurement and Sampling Equipment

Type	Manufacturer		Model #	Calibration Date
Hanna 98194	~~Hanna~~ HORIBA	SN ~~586~~ 05000	U10250JX	4-17-24
Peristaltic Pump	Geotech	Geopump	5840	NA

SAMPLE NUMBER	ANALYTICAL METHOD	BOTTLE TYPE/ PRESERVATIVES	QA REMARKS
3	VOCs	40 ml glass vial / HCL	
3	1,4 - Dioxane	40 ml glass vial	
3	Diss. Gasses	40 ml glass vial / HCL	
1	TOC	250 ml glass / H2SO4	
1	NO3/SO4/Cl	250 ml HDPE / none	
1	Sulfide	125 ml HDPE / ZnAcetate + NaOH	
1	Alkalinity	125 ml HDPE / none	

WSP

Groundwater Sampling Record

WELL No. MW-18	PROJECT # 02.20160378.23	LOCATION: Blackville, SC	DATE 4-16-24
SAMPLE No. MW-18	PROJECT NAME: Lennox, Blackville, SC	FIELD PERSONNEL/COMPANY: STAN TYLOR	
SAMPLE TIME: 1000	SITE :	FIELD CONDITIONS/WEATHER CLEAR/60's	

Well Condition Inspection (circle one)

cover: (locked) not locked
number: (legible) not legible
outer casing: (good) fair poor
inner casing: (good) fair poor
well photographed: yes (no)

Equipment Cleaning Procedures

- potable water and phosphate-free soap
- potable water rinse
- water rinse: (distilled) deionized
- solvent rinse: acetone hexane
- air dry

Casing Diameter: (circle one) (2") 4" 6" Other:____

Casing Volume Calculation: $(\pi r^2 h)(7.48\ gal/ft^3)$
Casing Volume (gallons/ft) for: 2" = 0.163; 4" = 0.653; 6" = 1.47
Casing Volume (liters/ft) for: 2" = 0.618; 4" = 2.47; 6" = 5.56

Depth to Water (feet):	5.36	Measuring Point Elevation (feet):	TOC
Depth of Well (feet):	25	Groundwater Surface Elevation:	
Water Column (feet):	19.64	LNAPL present:	N/A thickness:
Casing Volume (gallons/liters):	3.20	DNAPL present:	N/A thickness:
Calculated Purge Volume (gallons/liters):	9.60	Remarks:	
Actual Purge Volume (gallons/liters):			
Pump Intake Depth (feet):	~20	Ferrous Iron (mg/L):	0.05 mg/L

Well Evacuation
Water level recovery is: very slow slow moderate fast Bailed dry: yes (no)

TIME 2400 hrs	CUMULATIVE VOLUME (gal)	TEMPERATURE (°C)	pH	DISSOLVED OXYGEN (mg/L)	ORP (mV)	CONDUCTIVITY ~~(µs/cm)~~ (mS/cm)	TURBIDITY (NTU)	Depth to Water (Feet)	ODOR/COLOR/ REMARKS
	0								PURGE START
0920	1/4	18.06	4.46	1.30	491	0.068	4.5	5.36	NONE/CLEAR
0927	1/2	18.16	4.47	0.95	493	0.067	3.7	5.41	" / "
0934	3/4	18.30	4.48	0.90	493	0.067	2.5	5.41	" / "
0940	1	18.33	4.49	0.87	493	0.067	2.1	5.42	" / "
0947	1 1/4	18.42	4.49	0.87	493	0.067	2.0	5.42	" / "
0944	1 1/2	18.46	4.49	0.86	494	0.067	1.8	5.42	" / "
0948	2	18.48	4.49	0.84	494	0.067	1.6	5.43	" / "
0950	2 1/2	18.50	4.49	0.81	494	0.067	1.4	5.54	" / "
	SAMPLE MW-18 @ 1000				DUP-01-GW-041620 SAMPLED AT 1020 DISSOLVED GASES 4-17-24 @ 1330				

Measurement and Sampling Equipment

Type	Manufacturer	Model #	Calibration Date
Hanna 98194	~~Hanna~~ HORIBA	~~SN 556~~ U10255X	4-16-24
Peristaltic Pump	Geotech	Geopump 5840	N/A

SAMPLE NUMBER	ANALYTICAL METHOD	BOTTLE TYPE/ PRESERVATIVES	QA REMARKS
3 ✓	VOCs	40 ml glass vial / HCL	RSK 175 SAMPLED 4-17-24 @ 0805
3 ✓	1,4 - Dioxane	40 ml glass vial	
3	Diss. Gasses	40 ml glass vial / HCL	
1 ✓	TOC	250 ml glass / H2SO4	
1 ✓	NO3/SO4/Cl	250 ml HDPE / none	
1 ✓	Sulfide	125 ml HDPE / ZnAcetate + NaOH	
1	Alkalinity	125 ml HDPE / none	

4-15-2024

STEVE TYLER ST

1020 ST ON-SITE

1035 NICK WILLIAMS ON-SITE

- COMPLETING WELL FIELD INSPECTION CHECKLIST

° AT ALL WELL LOCATIONS
  - INSPECTED WELLS
  - GAGE ALL WELLS
  - SET TUBING POLY/SILICONE AT EACH WELL FOR SAMPLING

1430 NW LEFT SITE TO PICK-UP COOLERS/SAMPLE WARE AT PACE/COLUMBIA LAB

° ST SETTING TABLES/DRUMS/EQUIP FOR TOMORROWS WELL SAMPLING.

1600 ST OFF-SITE

ST

Scale: 1 square = ____

4-16-2024

STEVE TYLER

0700 STL ON-SITE

ST SAMPLED
- MW-18
- MW-4D
- MW-4
- MW-16
- MW-1
- MW-1D
- MW-14

NW SAMPLED
- MW-15
- MW-6R
- MW-7
- MW-8 KEPT

PUMPING DRY

1500 ST/NW STOPPED SAMPLING PRE COOLERS/SAMPLES/COC FOR DELIVERY TO PACE LAB.

NOTE: RSK175 GLASSWARE WAS NOT INCLUDED IN MORNING BATCH. REST TUBING IN SAMPLED WELLS TO GET RSK175 FIRST THING TOMORROW MORNING.

Scale: 1 square = _____

Rite in the Rain.

4-17-2024

STEVE TYLER

0710/ S.T. & NICK WILLIAMS ON-SITE

- SORTING OUT SAMPLE WARE FOR DAY.
- RESAMPLED THE PREVIOUS DAYS MOM WELLS FOR RSK 175 SAMPLES

0845 ST SAMPLED WELLS

MW-10

MW-17

MW-11

MW-5

N.W. FINISHED MW-8

SAMPLED MW-2

MW-2D

MW-3

MW-3D

1400 PREPPING ALL COOLERS/ SAMPLED COC FOR DELIVERY TO PACE, N.W. TOOK SAMPLES TO PACE

S.T. CLEANING SITE / PACKING FIELD EQUIPMENT FOR FEDEX SHIPMENT BACK TO FIELD EQUIP RENTAL.

Scale: 1 square = _____

Scale: 1 square = _____

ATTACHMENT B

LABORATORY REPORTS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

April 23, 2024

Mary Ann Brookshire
WSP USA Inc.
1880 West Oak Pkwy
Suite 100, Building 106
Marietta, GA 30062

RE: Project: Lennox International/BISC
Pace Project No.: 92725516

Dear Mary Brookshire:

Enclosed are the analytical results for sample(s) received by the laboratory between April 16, 2024 and April 17, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Asheville
- Pace Analytical Services - Charlotte

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Maiya Parks

Maiya Parks
maiya.parks@pacelabs.com
770-734-4205
Project Manager

Enclosures

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

CERTIFICATIONS

Project: Lennox International/BISC
Pace Project No.: 92725516

Pace Analytical Services Charlotte

South Carolina Laboratory ID: 99006
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Laboratory ID: 99006
South Carolina Certification #: 99006001
South Carolina Drinking Water Cert. #: 99006003
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Louisiana DoH Drinking Water #: LA029
Virginia/VELAP Certification #: 460221

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Laboratory ID: 99030
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

SAMPLE SUMMARY

Project: Lennox International/BISC
Pace Project No.: 92725516

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92725516001	**MW-1**	Water	04/16/24 14:15	04/16/24 16:45
92725516002	**MW-1D**	Water	04/16/24 13:30	04/16/24 16:45
92725516003	**MW-4**	Water	04/16/24 12:00	04/16/24 16:45
92725516004	**MW-4D**	Water	04/16/24 11:15	04/16/24 16:45
92725516005	**MW-10**	Water	04/16/24 15:00	04/16/24 16:45
92725516006	**MW-16**	Water	04/16/24 08:35	04/16/24 16:45
92725516007	**MW-18**	Water	04/16/24 10:00	04/16/24 16:45
92725516008	**DUP-01-GW-04162024**	Water	04/16/24 10:20	04/16/24 16:45
92725516009	**MW-7**	Water	04/16/24 12:45	04/16/24 16:45
92725516010	**MW-6R**	Water	04/16/24 11:00	04/16/24 16:45
92725516011	**MW-15**	Water	04/16/24 10:00	04/16/24 16:45
92725516012	**MW-8**	Water	04/16/24 14:00	04/16/24 16:45
92725567001	**MW-1**	Water	04/16/24 14:15	04/17/24 08:00
92725567002	**MW-1D**	Water	04/16/24 13:30	04/17/24 08:00
92725567003	**MW-4**	Water	04/16/24 12:00	04/17/24 08:00
92725567004	**MW-4D**	Water	04/16/24 11:15	04/17/24 08:00
92725567005	**MW-10**	Water	04/16/24 15:00	04/17/24 08:00
92725567006	**MW-16**	Water	04/16/24 08:35	04/17/24 08:00
92725567007	**MW-18**	Water	04/16/24 10:00	04/17/24 08:00
92725567008	**DUP-01-GW-04162024**	Water	04/16/24 10:20	04/17/24 08:00
92725567009	**MW-7**	Water	04/16/24 12:45	04/17/24 08:00
92725567010	**MW-6R**	Water	04/16/24 11:00	04/17/24 08:00
92725567011	**MW-15**	Water	04/16/24 10:00	04/17/24 08:00
92725567012	**Trip Blank**	Water	04/16/24 00:00	04/17/24 08:00

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

SAMPLE ANALYTE COUNT

Project: Lennox International/BISC
Pace Project No.: 92725516

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92725516001	**MW-1**	SM 2320B-2011	YEG	1
		SM 4500-S2D-2011	JP1	1
		EPA 353.2 Rev 2.0 1993	MFO	1
		EPA 9056A	CDC	2
		EPA 9060A	MJP	1
92725516002	**MW-1D**	SM 2320B-2011	YEG	1
		SM 4500-S2D-2011	JP1	1
		EPA 353.2 Rev 2.0 1993	MFO	1
		EPA 9056A	CDC	2
		EPA 9060A	MJP	1
92725516003	**MW-4**	SM 2320B-2011	YEG	1
		SM 4500-S2D-2011	JP1	1
		EPA 353.2 Rev 2.0 1993	MFO	1
		EPA 9056A	CDC	2
		EPA 9060A	MJP	1
92725516004	**MW-4D**	SM 2320B-2011	YEG	1
		SM 4500-S2D-2011	JP1	1
		EPA 353.2 Rev 2.0 1993	MFO	1
		EPA 9056A	CDC	2
		EPA 9060A	MJP	1
92725516005	**MW-10**	SM 2320B-2011	YEG	1
		SM 4500-S2D-2011	JP1	1
		EPA 353.2 Rev 2.0 1993	MFO	1
		EPA 9056A	CDC	2
		EPA 9060A	MJP	1
92725516006	**MW-16**	SM 2320B-2011	YEG	1
		SM 4500-S2D-2011	JP1	1
		EPA 353.2 Rev 2.0 1993	MFO	1
		EPA 9056A	CDC	2
		EPA 9060A	MJP	1
92725516007	**MW-18**	SM 2320B-2011	YEG	1
		SM 4500-S2D-2011	JP1	1
		EPA 353.2 Rev 2.0 1993	MFO	1
		EPA 9056A	CDC	2
		EPA 9060A	MJP	1
92725516008	**DUP-01-GW-04162024**	SM 2320B-2011	YEG	1
		SM 4500-S2D-2011	JP1	1

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

SAMPLE ANALYTE COUNT

Project: Lennox International/BISC
Pace Project No.: 92725516

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		EPA 353.2 Rev 2.0 1993	MFO	1
		EPA 9056A	CDC	2
		EPA 9060A	MJP	1
92725516009	**MW-7**	SM 2320B-2011	YEG	1
		SM 4500-S2D-2011	JP1	1
		EPA 353.2 Rev 2.0 1993	MFO	1
		EPA 9056A	CDC	2
		EPA 9060A	MJP	1
92725516010	**MW-6R**	SM 2320B-2011	YEG	1
		SM 4500-S2D-2011	JP1	1
		EPA 353.2 Rev 2.0 1993	MFO	1
		EPA 9056A	CDC	2
		EPA 9060A	MJP	1
92725516011	**MW-15**	SM 2320B-2011	YEG	1
		SM 4500-S2D-2011	JP1	1
		EPA 353.2 Rev 2.0 1993	MFO	1
		EPA 9056A	CDC	2
		EPA 9060A	MJP	1
92725516012	**MW-8**	SM 2320B-2011	YEG	1
		EPA 353.2 Rev 2.0 1993	MFO	1
		EPA 9056A	CDC	2
92725567001	**MW-1**	EPA 8260D	SAS	51
		EPA 8260D Mod.	LMB	3
92725567002	**MW-1D**	EPA 8260D	SAS	51
		EPA 8260D Mod.	LMB	3
92725567003	**MW-4**	EPA 8260D	JJK	51
		EPA 8260D Mod.	LMB	3
92725567004	**MW-4D**	EPA 8260D	JJK	51
		EPA 8260D Mod.	LMB	3
92725567005	**MW-10**	EPA 8260D	JJK	51
		EPA 8260D Mod.	LMB	3
92725567006	**MW-16**	EPA 8260D	JJK	51
		EPA 8260D Mod.	LMB	3
92725567007	**MW-18**	EPA 8260D	JJK	51
		EPA 8260D Mod.	LMB	3
92725567008	**DUP-01-GW-04162024**	EPA 8260D	JJK	51
		EPA 8260D Mod.	LMB	3

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

SAMPLE ANALYTE COUNT

Project: Lennox International/BISC
Pace Project No.: 92725516

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92725567009	**MW-7**	EPA 8260D	TMH	51
		EPA 8260D Mod.	LMB	3
92725567010	**MW-6R**	EPA 8260D	JJK	51
		EPA 8260D Mod.	LMB	3
92725567011	**MW-15**	EPA 8260D	JJK	51
		EPA 8260D Mod.	LMB	3
92725567012	**Trip Blank**	EPA 8260D	JJK	51

PASI-A = Pace Analytical Services - Asheville
PASI-C = Pace Analytical Services - Charlotte

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

SUMMARY OF DETECTION

Project: Lennox International/BISC
Pace Project No.: 92725516

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92725516001	**MW-1**					
SM 2320B-2011	Alkalinity, Total as CaCO3	6.0	mg/L	5.0	04/17/24 19:58	
SM 4500-S2D-2011	Sulfide	0.51	mg/L	0.10	04/18/24 04:26	
EPA 9056A	Chloride	17.6	mg/L	1.0	04/17/24 21:24	
EPA 9056A	Sulfate	7.7	mg/L	1.0	04/17/24 21:24	
EPA 9060A	Mean Total Organic Carbon	5.2	mg/L	1.0	04/22/24 23:49	
92725516002	**MW-1D**					
SM 4500-S2D-2011	Sulfide	0.024J	mg/L	0.10	04/18/24 04:27	
EPA 353.2 Rev 2.0 1993	Nitrogen, Nitrate	0.010J	mg/L	0.020	04/17/24 02:55	
EPA 9056A	Chloride	1.9	mg/L	1.0	04/17/24 22:08	
92725516003	**MW-4**					
EPA 353.2 Rev 2.0 1993	Nitrogen, Nitrate	0.035	mg/L	0.020	04/17/24 02:48	
EPA 9056A	Chloride	6.6	mg/L	1.0	04/17/24 22:23	
EPA 9056A	Sulfate	0.89J	mg/L	1.0	04/17/24 22:23	
92725516004	**MW-4D**					
EPA 353.2 Rev 2.0 1993	Nitrogen, Nitrate	0.052	mg/L	0.020	04/17/24 02:47	
EPA 9056A	Chloride	1.5	mg/L	1.0	04/17/24 22:38	
EPA 9056A	Sulfate	0.69J	mg/L	1.0	04/17/24 22:38	
92725516005	**MW-10**					
EPA 9056A	Chloride	7.8	mg/L	1.0	04/17/24 22:53	TP
EPA 9056A	Sulfate	5.0	mg/L	1.0	04/17/24 22:53	TP
EPA 9060A	Mean Total Organic Carbon	2.7	mg/L	1.0	04/23/24 01:50	
92725516006	**MW-16**					
EPA 353.2 Rev 2.0 1993	Nitrogen, Nitrate	4.8	mg/L	0.020	04/17/24 02:43	
EPA 9056A	Chloride	11.6	mg/L	1.0	04/17/24 23:07	
92725516007	**MW-18**					
EPA 353.2 Rev 2.0 1993	Nitrogen, Nitrate	1.9	mg/L	0.020	04/18/24 01:07	TP
EPA 9056A	Chloride	10.4	mg/L	1.0	04/17/24 23:22	TP
92725516008	**DUP-01-GW-04162024**					
EPA 353.2 Rev 2.0 1993	Nitrogen, Nitrate	1.9	mg/L	0.020	04/18/24 01:10	TP
EPA 9056A	Chloride	10.3	mg/L	1.0	04/18/24 00:22	TP
92725516009	**MW-7**					
SM 2320B-2011	Alkalinity, Total as CaCO3	25.7	mg/L	5.0	04/17/24 21:10	
SM 4500-S2D-2011	Sulfide	0.066J	mg/L	0.10	04/18/24 04:30	TP
EPA 353.2 Rev 2.0 1993	Nitrogen, Nitrate	0.014J	mg/L	0.020	04/18/24 01:21	TP
EPA 9056A	Chloride	9.7	mg/L	1.0	04/18/24 00:36	TP
EPA 9060A	Mean Total Organic Carbon	5.8	mg/L	1.0	04/23/24 03:00	TP
92725516010	**MW-6R**					
EPA 353.2 Rev 2.0 1993	Nitrogen, Nitrate	1.2	mg/L	0.020	04/18/24 01:16	TP
EPA 9056A	Chloride	8.8	mg/L	1.0	04/18/24 00:51	TP
EPA 9056A	Sulfate	4.0	mg/L	1.0	04/18/24 00:51	TP
EPA 9060A	Mean Total Organic Carbon	0.73J	mg/L	1.0	04/23/24 04:53	TP

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

SUMMARY OF DETECTION

Project: Lennox International/BISC
Pace Project No.: 92725516

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92725516011	**MW-15**					
SM 2320B-2011	Alkalinity, Total as CaCO3	14.0	mg/L	5.0	04/17/24 21:40	
EPA 353.2 Rev 2.0 1993	Nitrogen, Nitrate	0.013J	mg/L	0.020	04/18/24 01:09	TP
EPA 9056A	Chloride	3.0	mg/L	1.0	04/18/24 01:06	TP
EPA 9056A	Sulfate	9.8	mg/L	1.0	04/18/24 01:06	TP
92725516012	**MW-8**					
SM 2320B-2011	Alkalinity, Total as CaCO3	11.8	mg/L	5.0	04/17/24 21:45	
EPA 9056A	Chloride	5.1	mg/L	1.0	04/18/24 01:50	
EPA 9056A	Sulfate	29.1	mg/L	1.0	04/18/24 01:50	
92725567001	**MW-1**					
EPA 8260D	cis-1,2-Dichloroethene	2510	ug/L	25.0	04/19/24 03:06	
EPA 8260D	Ethylbenzene	180	ug/L	25.0	04/19/24 03:06	
EPA 8260D	Toluene	16.9J	ug/L	25.0	04/19/24 03:06	
EPA 8260D	Vinyl chloride	69.8	ug/L	25.0	04/19/24 03:06	
EPA 8260D	Xylene (Total)	911	ug/L	25.0	04/19/24 03:06	
92725567002	**MW-1D**					
EPA 8260D	cis-1,2-Dichloroethene	10.9	ug/L	4.0	04/19/24 02:48	
EPA 8260D	Tetrachloroethene	386	ug/L	4.0	04/19/24 02:48	
EPA 8260D	Trichloroethene	47.8	ug/L	4.0	04/19/24 02:48	
92725567003	**MW-4**					
EPA 8260D	1,1,2-Trichloroethane	1.1	ug/L	1.0	04/17/24 19:56	
EPA 8260D	Tetrachloroethene	3.7	ug/L	1.0	04/17/24 19:56	
EPA 8260D	Trichloroethene	7.2	ug/L	1.0	04/17/24 19:56	
EPA 8260D	cis-1,2-Dichloroethene	14.5	ug/L	1.0	04/17/24 19:56	
EPA 8260D Mod.	1,4-Dioxane (p-Dioxane)	1.4J	ug/L	2.0	04/19/24 10:56	
92725567004	**MW-4D**					
EPA 8260D	1,1-Dichloroethene	1.5	ug/L	1.0	04/17/24 20:14	
EPA 8260D	Tetrachloroethene	33.8	ug/L	1.0	04/17/24 20:14	
EPA 8260D	Trichloroethene	2.3	ug/L	1.0	04/17/24 20:14	
EPA 8260D	cis-1,2-Dichloroethene	1.3	ug/L	1.0	04/17/24 20:14	
92725567006	**MW-16**					
EPA 8260D	Chloroform	1.1	ug/L	1.0	04/17/24 20:50	
92725567007	**MW-18**					
EPA 8260D	1,1,1-Trichloroethane	0.39J	ug/L	1.0	04/17/24 21:08	
EPA 8260D	1,1,2-Trichloroethane	4.3	ug/L	1.0	04/17/24 21:08	
EPA 8260D	1,1-Dichloroethene	4.6	ug/L	1.0	04/17/24 21:08	
EPA 8260D	Tetrachloroethene	154	ug/L	1.0	04/17/24 21:08	
EPA 8260D	Trichloroethene	176	ug/L	1.0	04/17/24 21:08	
EPA 8260D	cis-1,2-Dichloroethene	2.0	ug/L	1.0	04/17/24 21:08	
92725567008	**DUP-01-GW-04162024**					
EPA 8260D	1,1,1-Trichloroethane	0.45J	ug/L	1.0	04/17/24 21:27	
EPA 8260D	1,1,2-Trichloroethane	4.1	ug/L	1.0	04/17/24 21:27	
EPA 8260D	1,1-Dichloroethene	4.5	ug/L	1.0	04/17/24 21:27	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Lennox International/BISC
Pace Project No.: 92725516

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92725567008	**DUP-01-GW-04162024**					
EPA 8260D	Tetrachloroethene	149	ug/L	1.0	04/17/24 21:27	
EPA 8260D	Trichloroethene	170	ug/L	1.0	04/17/24 21:27	
EPA 8260D	cis-1,2-Dichloroethene	1.9	ug/L	1.0	04/17/24 21:27	
92725567009	**MW-7**					
EPA 8260D	Ethylbenzene	253	ug/L	12.5	04/19/24 14:53	
EPA 8260D	Toluene	5.3J	ug/L	12.5	04/19/24 14:53	
EPA 8260D	Vinyl chloride	517	ug/L	12.5	04/19/24 14:53	
EPA 8260D	Xylene (Total)	927	ug/L	12.5	04/19/24 14:53	
EPA 8260D	cis-1,2-Dichloroethene	1650	ug/L	12.5	04/19/24 14:53	
92725567010	**MW-6R**					
EPA 8260D	Xylene (Total)	1.2	ug/L	1.0	04/17/24 22:03	
EPA 8260D	cis-1,2-Dichloroethene	0.65J	ug/L	1.0	04/17/24 22:03	C8

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Lennox International/BISC
Pace Project No.: 92725516

Sample: MW-1 **Lab ID: 92725516001** Collected: 04/16/24 14:15 Received: 04/16/24 16:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity, Total as CaCO3	**6.0**	mg/L	5.0	5.0	1		04/17/24 19:58		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	**0.51**	mg/L	0.10	0.022	1		04/18/24 04:26	18496-25-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Rev 2.0 1993 Pace Analytical Services - Asheville								
Nitrogen, Nitrate	ND	mg/L	0.020	0.0039	1		04/17/24 02:57	14797-55-8	
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville								
Chloride	**17.6**	mg/L	1.0	0.60	1		04/17/24 21:24	16887-00-6	
Sulfate	**7.7**	mg/L	1.0	0.50	1		04/17/24 21:24	14808-79-8	
Total Organic Carbon,Asheville	Analytical Method: EPA 9060A Pace Analytical Services - Asheville								
Mean Total Organic Carbon	**5.2**	mg/L	1.0	0.50	1		04/22/24 23:49	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Lennox International/BISC
Pace Project No.: 92725516

Sample: MW-1D **Lab ID: 92725516002** Collected: 04/16/24 13:30 Received: 04/16/24 16:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		04/17/24 20:03		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	**0.024J**	mg/L	0.10	0.022	1		04/18/24 04:27	18496-25-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Rev 2.0 1993 Pace Analytical Services - Asheville								
Nitrogen, Nitrate	**0.010J**	mg/L	0.020	0.0039	1		04/17/24 02:55	14797-55-8	
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville								
Chloride	**1.9**	mg/L	1.0	0.60	1		04/17/24 22:08	16887-00-6	
Sulfate	ND	mg/L	1.0	0.50	1		04/17/24 22:08	14808-79-8	
Total Organic Carbon,Asheville	Analytical Method: EPA 9060A Pace Analytical Services - Asheville								
Mean Total Organic Carbon	ND	mg/L	1.0	0.50	1		04/23/24 15:27	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Lennox International/BISC
Pace Project No.: 92725516

Sample: MW-4 **Lab ID: 92725516003** Collected: 04/16/24 12:00 Received: 04/16/24 16:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		04/17/24 20:08		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		04/18/24 04:27	18496-25-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Rev 2.0 1993 Pace Analytical Services - Asheville								
Nitrogen, Nitrate	**0.035**	mg/L	0.020	0.0039	1		04/17/24 02:48	14797-55-8	
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville								
Chloride	**6.6**	mg/L	1.0	0.60	1		04/17/24 22:23	16887-00-6	
Sulfate	**0.89J**	mg/L	1.0	0.50	1		04/17/24 22:23	14808-79-8	
Total Organic Carbon,Asheville	Analytical Method: EPA 9060A Pace Analytical Services - Asheville								
Mean Total Organic Carbon	ND	mg/L	1.0	0.50	1		04/23/24 15:44	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Lennox International/BISC
Pace Project No.: 92725516

Sample: MW-4D **Lab ID: 92725516004** Collected: 04/16/24 11:15 Received: 04/16/24 16:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		04/17/24 20:13		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		04/18/24 04:28	18496-25-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Rev 2.0 1993 Pace Analytical Services - Asheville								
Nitrogen, Nitrate	**0.052**	mg/L	0.020	0.0039	1		04/17/24 02:47	14797-55-8	
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville								
Chloride	**1.5**	mg/L	1.0	0.60	1		04/17/24 22:38	16887-00-6	
Sulfate	**0.69J**	mg/L	1.0	0.50	1		04/17/24 22:38	14808-79-8	
Total Organic Carbon,Asheville	Analytical Method: EPA 9060A Pace Analytical Services - Asheville								
Mean Total Organic Carbon	ND	mg/L	1.0	0.50	1		04/23/24 01:33	7440-44-0	

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ANALYTICAL RESULTS

Project: Lennox International/BISC
Pace Project No.: 92725516

Sample: MW-10 **Lab ID: 92725516005** Collected: 04/16/24 15:00 Received: 04/16/24 16:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		04/17/24 20:18		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		04/18/24 04:28	18496-25-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Rev 2.0 1993 Pace Analytical Services - Asheville								
Nitrogen, Nitrate	ND	mg/L	0.020	0.0039	1		04/18/24 01:31	14797-55-8	TP
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville								
Chloride	**7.8**	mg/L	1.0	0.60	1		04/17/24 22:53	16887-00-6	TP
Sulfate	**5.0**	mg/L	1.0	0.50	1		04/17/24 22:53	14808-79-8	TP
Total Organic Carbon,Asheville	Analytical Method: EPA 9060A Pace Analytical Services - Asheville								
Mean Total Organic Carbon	**2.7**	mg/L	1.0	0.50	1		04/23/24 01:50	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Lennox International/BISC
Pace Project No.: 92725516

Sample: MW-16 **Lab ID: 92725516006** Collected: 04/16/24 08:35 Received: 04/16/24 16:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		04/17/24 20:22		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		04/18/24 04:29	18496-25-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Rev 2.0 1993 Pace Analytical Services - Asheville								
Nitrogen, Nitrate	**4.8**	mg/L	0.020	0.0039	1		04/17/24 02:43	14797-55-8	
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville								
Chloride	**11.6**	mg/L	1.0	0.60	1		04/17/24 23:07	16887-00-6	
Sulfate	ND	mg/L	1.0	0.50	1		04/17/24 23:07	14808-79-8	
Total Organic Carbon,Asheville	Analytical Method: EPA 9060A Pace Analytical Services - Asheville								
Mean Total Organic Carbon	ND	mg/L	1.0	0.50	1		04/23/24 02:08	7440-44-0	TP

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Lennox International/BISC
Pace Project No.: 92725516

Sample: MW-18 **Lab ID: 92725516007** Collected: 04/16/24 10:00 Received: 04/16/24 16:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		04/17/24 20:26		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		04/18/24 04:29	18496-25-8	TP
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Rev 2.0 1993 Pace Analytical Services - Asheville								
Nitrogen, Nitrate	**1.9**	mg/L	0.020	0.0039	1		04/18/24 01:07	14797-55-8	TP
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville								
Chloride	**10.4**	mg/L	1.0	0.60	1		04/17/24 23:22	16887-00-6	TP
Sulfate	ND	mg/L	1.0	0.50	1		04/17/24 23:22	14808-79-8	TP
Total Organic Carbon,Asheville	Analytical Method: EPA 9060A Pace Analytical Services - Asheville								
Mean Total Organic Carbon	ND	mg/L	1.0	0.50	1		04/23/24 02:25	7440-44-0	TP

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Lennox International/BISC
Pace Project No.: 92725516

Sample: DUP-01-GW-04162024 **Lab ID: 92725516008** Collected: 04/16/24 10:20 Received: 04/16/24 16:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		04/17/24 20:57		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		04/18/24 04:30	18496-25-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Rev 2.0 1993 Pace Analytical Services - Asheville								
Nitrogen, Nitrate	**1.9**	mg/L	0.020	0.0039	1		04/18/24 01:10	14797-55-8	TP
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville								
Chloride	**10.3**	mg/L	1.0	0.60	1		04/18/24 00:22	16887-00-6	TP
Sulfate	ND	mg/L	1.0	0.50	1		04/18/24 00:22	14808-79-8	TP
Total Organic Carbon,Asheville	Analytical Method: EPA 9060A Pace Analytical Services - Asheville								
Mean Total Organic Carbon	ND	mg/L	1.0	0.50	1		04/23/24 02:43	7440-44-0	TP

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Lennox International/BISC
Pace Project No.: 92725516

Sample: MW-7 **Lab ID: 92725516009** Collected: 04/16/24 12:45 Received: 04/16/24 16:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity, Total as CaCO3	**25.7**	mg/L	5.0	5.0	1		04/17/24 21:10		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	**0.066J**	mg/L	0.10	0.022	1		04/18/24 04:30	18496-25-8	TP
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Rev 2.0 1993 Pace Analytical Services - Asheville								
Nitrogen, Nitrate	**0.014J**	mg/L	0.020	0.0039	1		04/18/24 01:21	14797-55-8	TP
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville								
Chloride	**9.7**	mg/L	1.0	0.60	1		04/18/24 00:36	16887-00-6	TP
Sulfate	ND	mg/L	1.0	0.50	1		04/18/24 00:36	14808-79-8	TP
Total Organic Carbon,Asheville	Analytical Method: EPA 9060A Pace Analytical Services - Asheville								
Mean Total Organic Carbon	**5.8**	mg/L	1.0	0.50	1		04/23/24 03:00	7440-44-0	TP

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Lennox International/BISC
Pace Project No.: 92725516

Sample: MW-6R **Lab ID: 92725516010** Collected: 04/16/24 11:00 Received: 04/16/24 16:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		04/17/24 21:16		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		04/18/24 04:30	18496-25-8	TP
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Rev 2.0 1993 Pace Analytical Services - Asheville								
Nitrogen, Nitrate	**1.2**	mg/L	0.020	0.0039	1		04/18/24 01:16	14797-55-8	TP
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville								
Chloride	**8.8**	mg/L	1.0	0.60	1		04/18/24 00:51	16887-00-6	TP
Sulfate	**4.0**	mg/L	1.0	0.50	1		04/18/24 00:51	14808-79-8	TP
Total Organic Carbon,Asheville	Analytical Method: EPA 9060A Pace Analytical Services - Asheville								
Mean Total Organic Carbon	**0.73J**	mg/L	1.0	0.50	1		04/23/24 04:53	7440-44-0	TP

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Lennox International/BISC
Pace Project No.: 92725516

Sample: MW-15 **Lab ID: 92725516011** Collected: 04/16/24 10:00 Received: 04/16/24 16:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity, Total as CaCO3	**14.0**	mg/L	5.0	5.0	1		04/17/24 21:40		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		04/18/24 04:31	18496-25-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Rev 2.0 1993 Pace Analytical Services - Asheville								
Nitrogen, Nitrate	**0.013J**	mg/L	0.020	0.0039	1		04/18/24 01:09	14797-55-8	TP
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville								
Chloride	**3.0**	mg/L	1.0	0.60	1		04/18/24 01:06	16887-00-6	TP
Sulfate	**9.8**	mg/L	1.0	0.50	1		04/18/24 01:06	14808-79-8	TP
Total Organic Carbon,Asheville	Analytical Method: EPA 9060A Pace Analytical Services - Asheville								
Mean Total Organic Carbon	ND	mg/L	1.0	0.50	1		04/23/24 05:10	7440-44-0	TP

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Lennox International/BISC
Pace Project No.: 92725516

Sample: MW-8 **Lab ID: 92725516012** Collected: 04/16/24 14:00 Received: 04/16/24 16:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity, Total as CaCO3	**11.8**	mg/L	5.0	5.0	1		04/17/24 21:45		
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Rev 2.0 1993 Pace Analytical Services - Asheville								
Nitrogen, Nitrate	ND	mg/L	0.020	0.0039	1		04/17/24 02:56	14797-55-8	
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville								
Chloride	**5.1**	mg/L	1.0	0.60	1		04/18/24 01:50	16887-00-6	
Sulfate	**29.1**	mg/L	1.0	0.50	1		04/18/24 01:50	14808-79-8	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: Lennox International/BISC
Pace Project No.: 92725516

Sample: MW-1 **Lab ID: 92725567001** Collected: 04/16/24 14:15 Received: 04/17/24 08:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
Acetone	ND	ug/L	625	128	25		04/19/24 03:06	67-64-1	
Benzene	ND	ug/L	25.0	8.6	25		04/19/24 03:06	71-43-2	
Bromodichloromethane	ND	ug/L	25.0	7.7	25		04/19/24 03:06	75-27-4	
Bromoform	ND	ug/L	25.0	8.5	25		04/19/24 03:06	75-25-2	
Bromomethane	ND	ug/L	50.0	41.5	25		04/19/24 03:06	74-83-9	
2-Butanone (MEK)	ND	ug/L	250	99.0	25		04/19/24 03:06	78-93-3	
Carbon disulfide	ND	ug/L	50.0	8.9	25		04/19/24 03:06	75-15-0	
Carbon tetrachloride	ND	ug/L	25.0	8.3	25		04/19/24 03:06	56-23-5	
Chlorobenzene	ND	ug/L	25.0	7.1	25		04/19/24 03:06	108-90-7	
Chloroethane	ND	ug/L	50.0	16.2	25		04/19/24 03:06	75-00-3	
Chloroform	ND	ug/L	25.0	10.8	25		04/19/24 03:06	67-66-3	
Chloromethane	ND	ug/L	25.0	13.5	25		04/19/24 03:06	74-87-3	
Cyclohexane	ND	ug/L	25.0	8.8	25		04/19/24 03:06	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	50.0	8.5	25		04/19/24 03:06	96-12-8	
Dibromochloromethane	ND	ug/L	25.0	9.0	25		04/19/24 03:06	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	25.0	6.8	25		04/19/24 03:06	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	25.0	8.5	25		04/19/24 03:06	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	25.0	8.5	25		04/19/24 03:06	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	25.0	8.3	25		04/19/24 03:06	106-46-7	
Dichlorodifluoromethane	ND	ug/L	50.0	8.6	25		04/19/24 03:06	75-71-8	
1,1-Dichloroethane	ND	ug/L	25.0	9.2	25		04/19/24 03:06	75-34-3	
1,2-Dichloroethane	ND	ug/L	25.0	8.0	25		04/19/24 03:06	107-06-2	
1,1-Dichloroethene	ND	ug/L	25.0	8.7	25		04/19/24 03:06	75-35-4	
cis-1,2-Dichloroethene	**2510**	ug/L	25.0	9.6	25		04/19/24 03:06	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	25.0	9.9	25		04/19/24 03:06	156-60-5	
1,2-Dichloropropane	ND	ug/L	25.0	8.9	25		04/19/24 03:06	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	25.0	9.1	25		04/19/24 03:06	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	25.0	9.1	25		04/19/24 03:06	10061-02-6	
Ethylbenzene	**180**	ug/L	25.0	7.6	25		04/19/24 03:06	100-41-4	
2-Hexanone	ND	ug/L	250	11.9	25		04/19/24 03:06	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	25.0	8.3	25		04/19/24 03:06	98-82-8	
Methyl acetate	ND	ug/L	250	59.8	25		04/19/24 03:06	79-20-9	
Methylcyclohexane	ND	ug/L	250	37.8	25		04/19/24 03:06	108-87-2	
Methylene Chloride	ND	ug/L	125	48.8	25		04/19/24 03:06	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	250	67.8	25		04/19/24 03:06	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	25.0	10.6	25		04/19/24 03:06	1634-04-4	
Styrene	ND	ug/L	25.0	7.3	25		04/19/24 03:06	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	25.0	5.6	25		04/19/24 03:06	79-34-5	
Tetrachloroethene	ND	ug/L	25.0	7.3	25		04/19/24 03:06	127-18-4	
Toluene	**16.9J**	ug/L	25.0	6.0	25		04/19/24 03:06	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	25.0	16.0	25		04/19/24 03:06	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	25.0	8.3	25		04/19/24 03:06	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	25.0	8.1	25		04/19/24 03:06	79-00-5	
Trichloroethene	ND	ug/L	25.0	9.6	25		04/19/24 03:06	79-01-6	
Trichlorofluoromethane	ND	ug/L	25.0	7.4	25		04/19/24 03:06	75-69-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: Lennox International/BISC
Pace Project No.: 92725516

Sample: MW-1 **Lab ID: 92725567001** Collected: 04/16/24 14:15 Received: 04/17/24 08:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
1,1,2-Trichlorotrifluoroethane	ND	ug/L	25.0	7.9	25		04/19/24 03:06	76-13-1	
Vinyl chloride	**69.8**	ug/L	25.0	9.6	25		04/19/24 03:06	75-01-4	
Xylene (Total)	**911**	ug/L	25.0	8.4	25		04/19/24 03:06	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	106	%	70-130		25		04/19/24 03:06	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%	70-130		25		04/19/24 03:06	17060-07-0	
Toluene-d8 (S)	106	%	70-130		25		04/19/24 03:06	2037-26-5	
8260D MSV SIM	Analytical Method: EPA 8260D Mod. Pace Analytical Services - Charlotte								
1,4-Dioxane (p-Dioxane)	ND	ug/L	2.0	0.86	1		04/19/24 01:00	123-91-1	
Surrogates									
1,2-Dichloroethane-d4 (S)	95	%	67-130		1		04/19/24 01:00	17060-07-0	
Toluene-d8 (S)	89	%	70-130		1		04/19/24 01:00	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: Lennox International/BISC
Pace Project No.: 92725516

Sample: MW-1D **Lab ID: 92725567002** Collected: 04/16/24 13:30 Received: 04/17/24 08:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
Acetone	ND	ug/L	100	20.4	4		04/19/24 02:48	67-64-1	
Benzene	ND	ug/L	4.0	1.4	4		04/19/24 02:48	71-43-2	
Bromodichloromethane	ND	ug/L	4.0	1.2	4		04/19/24 02:48	75-27-4	
Bromoform	ND	ug/L	4.0	1.4	4		04/19/24 02:48	75-25-2	
Bromomethane	ND	ug/L	8.0	6.6	4		04/19/24 02:48	74-83-9	
2-Butanone (MEK)	ND	ug/L	40.0	15.8	4		04/19/24 02:48	78-93-3	
Carbon disulfide	ND	ug/L	8.0	1.4	4		04/19/24 02:48	75-15-0	
Carbon tetrachloride	ND	ug/L	4.0	1.3	4		04/19/24 02:48	56-23-5	
Chlorobenzene	ND	ug/L	4.0	1.1	4		04/19/24 02:48	108-90-7	
Chloroethane	ND	ug/L	8.0	2.6	4		04/19/24 02:48	75-00-3	
Chloroform	ND	ug/L	4.0	1.7	4		04/19/24 02:48	67-66-3	
Chloromethane	ND	ug/L	4.0	2.2	4		04/19/24 02:48	74-87-3	
Cyclohexane	ND	ug/L	4.0	1.4	4		04/19/24 02:48	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	8.0	1.4	4		04/19/24 02:48	96-12-8	
Dibromochloromethane	ND	ug/L	4.0	1.4	4		04/19/24 02:48	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	4.0	1.1	4		04/19/24 02:48	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	4.0	1.4	4		04/19/24 02:48	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	4.0	1.4	4		04/19/24 02:48	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	4.0	1.3	4		04/19/24 02:48	106-46-7	
Dichlorodifluoromethane	ND	ug/L	8.0	1.4	4		04/19/24 02:48	75-71-8	
1,1-Dichloroethane	ND	ug/L	4.0	1.5	4		04/19/24 02:48	75-34-3	
1,2-Dichloroethane	ND	ug/L	4.0	1.3	4		04/19/24 02:48	107-06-2	
1,1-Dichloroethene	ND	ug/L	4.0	1.4	4		04/19/24 02:48	75-35-4	
cis-1,2-Dichloroethene	**10.9**	ug/L	4.0	1.5	4		04/19/24 02:48	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	4.0	1.6	4		04/19/24 02:48	156-60-5	
1,2-Dichloropropane	ND	ug/L	4.0	1.4	4		04/19/24 02:48	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1.5	4		04/19/24 02:48	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1.5	4		04/19/24 02:48	10061-02-6	
Ethylbenzene	ND	ug/L	4.0	1.2	4		04/19/24 02:48	100-41-4	
2-Hexanone	ND	ug/L	40.0	1.9	4		04/19/24 02:48	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	4.0	1.3	4		04/19/24 02:48	98-82-8	
Methyl acetate	ND	ug/L	40.0	9.6	4		04/19/24 02:48	79-20-9	
Methylcyclohexane	ND	ug/L	40.0	6.0	4		04/19/24 02:48	108-87-2	
Methylene Chloride	ND	ug/L	20.0	7.8	4		04/19/24 02:48	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	40.0	10.8	4		04/19/24 02:48	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1.7	4		04/19/24 02:48	1634-04-4	
Styrene	ND	ug/L	4.0	1.2	4		04/19/24 02:48	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	4.0	0.90	4		04/19/24 02:48	79-34-5	
Tetrachloroethene	**386**	ug/L	4.0	1.2	4		04/19/24 02:48	127-18-4	
Toluene	ND	ug/L	4.0	0.96	4		04/19/24 02:48	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	4.0	2.6	4		04/19/24 02:48	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	4.0	1.3	4		04/19/24 02:48	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	4.0	1.3	4		04/19/24 02:48	79-00-5	
Trichloroethene	**47.8**	ug/L	4.0	1.5	4		04/19/24 02:48	79-01-6	
Trichlorofluoromethane	ND	ug/L	4.0	1.2	4		04/19/24 02:48	75-69-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: Lennox International/BISC
Pace Project No.: 92725516

Sample: MW-1D **Lab ID: 92725567002** Collected: 04/16/24 13:30 Received: 04/17/24 08:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
1,1,2-Trichlorotrifluoroethane	ND	ug/L	4.0	1.3	4		04/19/24 02:48	76-13-1	
Vinyl chloride	ND	ug/L	4.0	1.5	4		04/19/24 02:48	75-01-4	
Xylene (Total)	ND	ug/L	4.0	1.4	4		04/19/24 02:48	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	104	%	70-130		4		04/19/24 02:48	460-00-4	
1,2-Dichloroethane-d4 (S)	114	%	70-130		4		04/19/24 02:48	17060-07-0	
Toluene-d8 (S)	103	%	70-130		4		04/19/24 02:48	2037-26-5	
8260D MSV SIM	Analytical Method: EPA 8260D Mod. Pace Analytical Services - Charlotte								
1,4-Dioxane (p-Dioxane)	ND	ug/L	2.0	0.86	1		04/19/24 01:19	123-91-1	
Surrogates									
1,2-Dichloroethane-d4 (S)	88	%	67-130		1		04/19/24 01:19	17060-07-0	
Toluene-d8 (S)	89	%	70-130		1		04/19/24 01:19	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: Lennox International/BISC
Pace Project No.: 92725516

Sample: MW-4 **Lab ID: 92725567003** Collected: 04/16/24 12:00 Received: 04/17/24 08:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
1,1,1-Trichloroethane	ND	ug/L	1.0	0.33	1		04/17/24 19:56	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		04/17/24 19:56	79-34-5	
1,1,2-Trichloroethane	**1.1**	ug/L	1.0	0.32	1		04/17/24 19:56	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.32	1		04/17/24 19:56	76-13-1	
1,1-Dichloroethane	ND	ug/L	1.0	0.37	1		04/17/24 19:56	75-34-3	
1,1-Dichloroethene	ND	ug/L	1.0	0.35	1		04/17/24 19:56	75-35-4	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		04/17/24 19:56	120-82-1	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		04/17/24 19:56	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		04/17/24 19:56	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		04/17/24 19:56	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/17/24 19:56	107-06-2	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		04/17/24 19:56	78-87-5	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		04/17/24 19:56	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		04/17/24 19:56	106-46-7	
2-Butanone (MEK)	ND	ug/L	10.0	4.0	1		04/17/24 19:56	78-93-3	
2-Hexanone	ND	ug/L	10.0	0.48	1		04/17/24 19:56	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	2.7	1		04/17/24 19:56	108-10-1	
Acetone	ND	ug/L	25.0	5.1	1		04/17/24 19:56	67-64-1	
Benzene	ND	ug/L	1.0	0.34	1		04/17/24 19:56	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		04/17/24 19:56	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		04/17/24 19:56	75-25-2	
Bromomethane	ND	ug/L	2.0	1.7	1		04/17/24 19:56	74-83-9	v2
Carbon disulfide	ND	ug/L	2.0	0.36	1		04/17/24 19:56	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		04/17/24 19:56	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		04/17/24 19:56	108-90-7	
Chloroethane	ND	ug/L	2.0	0.65	1		04/17/24 19:56	75-00-3	
Chloroform	ND	ug/L	1.0	0.43	1		04/17/24 19:56	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		04/17/24 19:56	74-87-3	
Cyclohexane	ND	ug/L	1.0	0.35	1		04/17/24 19:56	110-82-7	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		04/17/24 19:56	124-48-1	
Dichlorodifluoromethane	ND	ug/L	2.0	0.35	1		04/17/24 19:56	75-71-8	v1
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/17/24 19:56	100-41-4	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.33	1		04/17/24 19:56	98-82-8	
Methyl acetate	ND	ug/L	10.0	2.4	1		04/17/24 19:56	79-20-9	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/17/24 19:56	1634-04-4	
Methylcyclohexane	ND	ug/L	10.0	1.5	1		04/17/24 19:56	108-87-2	
Methylene Chloride	ND	ug/L	5.0	2.0	1		04/17/24 19:56	75-09-2	
Styrene	ND	ug/L	1.0	0.29	1		04/17/24 19:56	100-42-5	
Tetrachloroethene	**3.7**	ug/L	1.0	0.29	1		04/17/24 19:56	127-18-4	
Toluene	ND	ug/L	1.0	0.24	1		04/17/24 19:56	108-88-3	
Trichloroethene	**7.2**	ug/L	1.0	0.38	1		04/17/24 19:56	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		04/17/24 19:56	75-69-4	
Vinyl chloride	ND	ug/L	1.0	0.39	1		04/17/24 19:56	75-01-4	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/17/24 19:56	1330-20-7	
cis-1,2-Dichloroethene	**14.5**	ug/L	1.0	0.38	1		04/17/24 19:56	156-59-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: Lennox International/BISC
Pace Project No.: 92725516

Sample: MW-4 **Lab ID: 92725567003** Collected: 04/16/24 12:00 Received: 04/17/24 08:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		04/17/24 19:56	10061-01-5	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.40	1		04/17/24 19:56	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		04/17/24 19:56	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		04/17/24 19:56	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%	70-130		1		04/17/24 19:56	17060-07-0	
Toluene-d8 (S)	104	%	70-130		1		04/17/24 19:56	2037-26-5	
8260D MSV SIM	Analytical Method: EPA 8260D Mod. Pace Analytical Services - Charlotte								
1,4-Dioxane (p-Dioxane)	**1.4J**	ug/L	2.0	0.86	1		04/19/24 10:56	123-91-1	
Surrogates									
1,2-Dichloroethane-d4 (S)	96	%	67-130		1		04/19/24 10:56	17060-07-0	
Toluene-d8 (S)	94	%	70-130		1		04/19/24 10:56	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: Lennox International/BISC
Pace Project No.: 92725516

Sample: MW-4D **Lab ID: 92725567004** Collected: 04/16/24 11:15 Received: 04/17/24 08:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
1,1,1-Trichloroethane	ND	ug/L	1.0	0.33	1		04/17/24 20:14	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		04/17/24 20:14	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.32	1		04/17/24 20:14	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.32	1		04/17/24 20:14	76-13-1	
1,1-Dichloroethane	ND	ug/L	1.0	0.37	1		04/17/24 20:14	75-34-3	
1,1-Dichloroethene	**1.5**	ug/L	1.0	0.35	1		04/17/24 20:14	75-35-4	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		04/17/24 20:14	120-82-1	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		04/17/24 20:14	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		04/17/24 20:14	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		04/17/24 20:14	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/17/24 20:14	107-06-2	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		04/17/24 20:14	78-87-5	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		04/17/24 20:14	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		04/17/24 20:14	106-46-7	
2-Butanone (MEK)	ND	ug/L	10.0	4.0	1		04/17/24 20:14	78-93-3	
2-Hexanone	ND	ug/L	10.0	0.48	1		04/17/24 20:14	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	2.7	1		04/17/24 20:14	108-10-1	
Acetone	ND	ug/L	25.0	5.1	1		04/17/24 20:14	67-64-1	
Benzene	ND	ug/L	1.0	0.34	1		04/17/24 20:14	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		04/17/24 20:14	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		04/17/24 20:14	75-25-2	
Bromomethane	ND	ug/L	2.0	1.7	1		04/17/24 20:14	74-83-9	v2
Carbon disulfide	ND	ug/L	2.0	0.36	1		04/17/24 20:14	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		04/17/24 20:14	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		04/17/24 20:14	108-90-7	
Chloroethane	ND	ug/L	2.0	0.65	1		04/17/24 20:14	75-00-3	
Chloroform	ND	ug/L	1.0	0.43	1		04/17/24 20:14	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		04/17/24 20:14	74-87-3	
Cyclohexane	ND	ug/L	1.0	0.35	1		04/17/24 20:14	110-82-7	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		04/17/24 20:14	124-48-1	
Dichlorodifluoromethane	ND	ug/L	2.0	0.35	1		04/17/24 20:14	75-71-8	v1
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/17/24 20:14	100-41-4	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.33	1		04/17/24 20:14	98-82-8	
Methyl acetate	ND	ug/L	10.0	2.4	1		04/17/24 20:14	79-20-9	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/17/24 20:14	1634-04-4	
Methylcyclohexane	ND	ug/L	10.0	1.5	1		04/17/24 20:14	108-87-2	
Methylene Chloride	ND	ug/L	5.0	2.0	1		04/17/24 20:14	75-09-2	
Styrene	ND	ug/L	1.0	0.29	1		04/17/24 20:14	100-42-5	
Tetrachloroethene	**33.8**	ug/L	1.0	0.29	1		04/17/24 20:14	127-18-4	
Toluene	ND	ug/L	1.0	0.24	1		04/17/24 20:14	108-88-3	
Trichloroethene	**2.3**	ug/L	1.0	0.38	1		04/17/24 20:14	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		04/17/24 20:14	75-69-4	
Vinyl chloride	ND	ug/L	1.0	0.39	1		04/17/24 20:14	75-01-4	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/17/24 20:14	1330-20-7	
cis-1,2-Dichloroethene	**1.3**	ug/L	1.0	0.38	1		04/17/24 20:14	156-59-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: Lennox International/BISC
Pace Project No.: 92725516

Sample: MW-4D **Lab ID: 92725567004** Collected: 04/16/24 11:15 Received: 04/17/24 08:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		04/17/24 20:14	10061-01-5	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.40	1		04/17/24 20:14	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		04/17/24 20:14	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		04/17/24 20:14	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	70-130		1		04/17/24 20:14	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		04/17/24 20:14	2037-26-5	
8260D MSV SIM	Analytical Method: EPA 8260D Mod. Pace Analytical Services - Charlotte								
1,4-Dioxane (p-Dioxane)	ND	ug/L	2.0	0.86	1		04/19/24 11:15	123-91-1	
Surrogates									
1,2-Dichloroethane-d4 (S)	92	%	67-130		1		04/19/24 11:15	17060-07-0	
Toluene-d8 (S)	93	%	70-130		1		04/19/24 11:15	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: Lennox International/BISC
Pace Project No.: 92725516

Sample: MW-10 **Lab ID: 92725567005** Collected: 04/16/24 15:00 Received: 04/17/24 08:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
1,1,1-Trichloroethane	ND	ug/L	1.0	0.33	1		04/17/24 20:32	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		04/17/24 20:32	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.32	1		04/17/24 20:32	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.32	1		04/17/24 20:32	76-13-1	
1,1-Dichloroethane	ND	ug/L	1.0	0.37	1		04/17/24 20:32	75-34-3	
1,1-Dichloroethene	ND	ug/L	1.0	0.35	1		04/17/24 20:32	75-35-4	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		04/17/24 20:32	120-82-1	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		04/17/24 20:32	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		04/17/24 20:32	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		04/17/24 20:32	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/17/24 20:32	107-06-2	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		04/17/24 20:32	78-87-5	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		04/17/24 20:32	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		04/17/24 20:32	106-46-7	
2-Butanone (MEK)	ND	ug/L	10.0	4.0	1		04/17/24 20:32	78-93-3	
2-Hexanone	ND	ug/L	10.0	0.48	1		04/17/24 20:32	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	2.7	1		04/17/24 20:32	108-10-1	
Acetone	ND	ug/L	25.0	5.1	1		04/17/24 20:32	67-64-1	
Benzene	ND	ug/L	1.0	0.34	1		04/17/24 20:32	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		04/17/24 20:32	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		04/17/24 20:32	75-25-2	
Bromomethane	ND	ug/L	2.0	1.7	1		04/17/24 20:32	74-83-9	v2
Carbon disulfide	ND	ug/L	2.0	0.36	1		04/17/24 20:32	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		04/17/24 20:32	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		04/17/24 20:32	108-90-7	
Chloroethane	ND	ug/L	2.0	0.65	1		04/17/24 20:32	75-00-3	
Chloroform	ND	ug/L	1.0	0.43	1		04/17/24 20:32	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		04/17/24 20:32	74-87-3	
Cyclohexane	ND	ug/L	1.0	0.35	1		04/17/24 20:32	110-82-7	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		04/17/24 20:32	124-48-1	
Dichlorodifluoromethane	ND	ug/L	2.0	0.35	1		04/17/24 20:32	75-71-8	v1
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/17/24 20:32	100-41-4	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.33	1		04/17/24 20:32	98-82-8	
Methyl acetate	ND	ug/L	10.0	2.4	1		04/17/24 20:32	79-20-9	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/17/24 20:32	1634-04-4	
Methylcyclohexane	ND	ug/L	10.0	1.5	1		04/17/24 20:32	108-87-2	
Methylene Chloride	ND	ug/L	5.0	2.0	1		04/17/24 20:32	75-09-2	
Styrene	ND	ug/L	1.0	0.29	1		04/17/24 20:32	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	0.29	1		04/17/24 20:32	127-18-4	
Toluene	ND	ug/L	1.0	0.24	1		04/17/24 20:32	108-88-3	
Trichloroethene	ND	ug/L	1.0	0.38	1		04/17/24 20:32	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		04/17/24 20:32	75-69-4	
Vinyl chloride	ND	ug/L	1.0	0.39	1		04/17/24 20:32	75-01-4	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/17/24 20:32	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.38	1		04/17/24 20:32	156-59-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: Lennox International/BISC
Pace Project No.: 92725516

Sample: MW-10 **Lab ID: 92725567005** Collected: 04/16/24 15:00 Received: 04/17/24 08:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		04/17/24 20:32	10061-01-5	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.40	1		04/17/24 20:32	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		04/17/24 20:32	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		04/17/24 20:32	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	70-130		1		04/17/24 20:32	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		04/17/24 20:32	2037-26-5	
8260D MSV SIM	Analytical Method: EPA 8260D Mod. Pace Analytical Services - Charlotte								
1,4-Dioxane (p-Dioxane)	ND	ug/L	2.0	0.86	1		04/19/24 11:34	123-91-1	
Surrogates									
1,2-Dichloroethane-d4 (S)	96	%	67-130		1		04/19/24 11:34	17060-07-0	
Toluene-d8 (S)	92	%	70-130		1		04/19/24 11:34	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: Lennox International/BISC
Pace Project No.: 92725516

Sample: MW-16 **Lab ID: 92725567006** Collected: 04/16/24 08:35 Received: 04/17/24 08:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
1,1,1-Trichloroethane	ND	ug/L	1.0	0.33	1		04/17/24 20:50	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		04/17/24 20:50	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.32	1		04/17/24 20:50	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.32	1		04/17/24 20:50	76-13-1	
1,1-Dichloroethane	ND	ug/L	1.0	0.37	1		04/17/24 20:50	75-34-3	
1,1-Dichloroethene	ND	ug/L	1.0	0.35	1		04/17/24 20:50	75-35-4	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		04/17/24 20:50	120-82-1	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		04/17/24 20:50	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		04/17/24 20:50	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		04/17/24 20:50	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/17/24 20:50	107-06-2	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		04/17/24 20:50	78-87-5	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		04/17/24 20:50	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		04/17/24 20:50	106-46-7	
2-Butanone (MEK)	ND	ug/L	10.0	4.0	1		04/17/24 20:50	78-93-3	
2-Hexanone	ND	ug/L	10.0	0.48	1		04/17/24 20:50	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	2.7	1		04/17/24 20:50	108-10-1	
Acetone	ND	ug/L	25.0	5.1	1		04/17/24 20:50	67-64-1	
Benzene	ND	ug/L	1.0	0.34	1		04/17/24 20:50	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		04/17/24 20:50	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		04/17/24 20:50	75-25-2	
Bromomethane	ND	ug/L	2.0	1.7	1		04/17/24 20:50	74-83-9	v2
Carbon disulfide	ND	ug/L	2.0	0.36	1		04/17/24 20:50	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		04/17/24 20:50	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		04/17/24 20:50	108-90-7	
Chloroethane	ND	ug/L	2.0	0.65	1		04/17/24 20:50	75-00-3	
Chloroform	**1.1**	ug/L	1.0	0.43	1		04/17/24 20:50	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		04/17/24 20:50	74-87-3	
Cyclohexane	ND	ug/L	1.0	0.35	1		04/17/24 20:50	110-82-7	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		04/17/24 20:50	124-48-1	
Dichlorodifluoromethane	ND	ug/L	2.0	0.35	1		04/17/24 20:50	75-71-8	v1
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/17/24 20:50	100-41-4	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.33	1		04/17/24 20:50	98-82-8	
Methyl acetate	ND	ug/L	10.0	2.4	1		04/17/24 20:50	79-20-9	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/17/24 20:50	1634-04-4	
Methylcyclohexane	ND	ug/L	10.0	1.5	1		04/17/24 20:50	108-87-2	
Methylene Chloride	ND	ug/L	5.0	2.0	1		04/17/24 20:50	75-09-2	
Styrene	ND	ug/L	1.0	0.29	1		04/17/24 20:50	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	0.29	1		04/17/24 20:50	127-18-4	
Toluene	ND	ug/L	1.0	0.24	1		04/17/24 20:50	108-88-3	
Trichloroethene	ND	ug/L	1.0	0.38	1		04/17/24 20:50	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		04/17/24 20:50	75-69-4	
Vinyl chloride	ND	ug/L	1.0	0.39	1		04/17/24 20:50	75-01-4	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/17/24 20:50	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.38	1		04/17/24 20:50	156-59-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: Lennox International/BISC
Pace Project No.: 92725516

Sample: MW-16 **Lab ID: 92725567006** Collected: 04/16/24 08:35 Received: 04/17/24 08:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		04/17/24 20:50	10061-01-5	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.40	1		04/17/24 20:50	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		04/17/24 20:50	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		04/17/24 20:50	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%	70-130		1		04/17/24 20:50	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		04/17/24 20:50	2037-26-5	
8260D MSV SIM	Analytical Method: EPA 8260D Mod. Pace Analytical Services - Charlotte								
1,4-Dioxane (p-Dioxane)	ND	ug/L	2.0	0.86	1		04/19/24 11:54	123-91-1	
Surrogates									
1,2-Dichloroethane-d4 (S)	95	%	67-130		1		04/19/24 11:54	17060-07-0	
Toluene-d8 (S)	92	%	70-130		1		04/19/24 11:54	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: Lennox International/BISC
Pace Project No.: 92725516

Sample: MW-18 **Lab ID: 92725567007** Collected: 04/16/24 10:00 Received: 04/17/24 08:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
1,1,1-Trichloroethane	**0.39J**	ug/L	1.0	0.33	1		04/17/24 21:08	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		04/17/24 21:08	79-34-5	
1,1,2-Trichloroethane	**4.3**	ug/L	1.0	0.32	1		04/17/24 21:08	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.32	1		04/17/24 21:08	76-13-1	
1,1-Dichloroethane	ND	ug/L	1.0	0.37	1		04/17/24 21:08	75-34-3	
1,1-Dichloroethene	**4.6**	ug/L	1.0	0.35	1		04/17/24 21:08	75-35-4	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		04/17/24 21:08	120-82-1	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		04/17/24 21:08	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		04/17/24 21:08	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		04/17/24 21:08	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/17/24 21:08	107-06-2	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		04/17/24 21:08	78-87-5	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		04/17/24 21:08	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		04/17/24 21:08	106-46-7	
2-Butanone (MEK)	ND	ug/L	10.0	4.0	1		04/17/24 21:08	78-93-3	
2-Hexanone	ND	ug/L	10.0	0.48	1		04/17/24 21:08	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	2.7	1		04/17/24 21:08	108-10-1	
Acetone	ND	ug/L	25.0	5.1	1		04/17/24 21:08	67-64-1	
Benzene	ND	ug/L	1.0	0.34	1		04/17/24 21:08	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		04/17/24 21:08	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		04/17/24 21:08	75-25-2	
Bromomethane	ND	ug/L	2.0	1.7	1		04/17/24 21:08	74-83-9	v2
Carbon disulfide	ND	ug/L	2.0	0.36	1		04/17/24 21:08	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		04/17/24 21:08	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		04/17/24 21:08	108-90-7	
Chloroethane	ND	ug/L	2.0	0.65	1		04/17/24 21:08	75-00-3	
Chloroform	ND	ug/L	1.0	0.43	1		04/17/24 21:08	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		04/17/24 21:08	74-87-3	
Cyclohexane	ND	ug/L	1.0	0.35	1		04/17/24 21:08	110-82-7	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		04/17/24 21:08	124-48-1	
Dichlorodifluoromethane	ND	ug/L	2.0	0.35	1		04/17/24 21:08	75-71-8	v1
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/17/24 21:08	100-41-4	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.33	1		04/17/24 21:08	98-82-8	
Methyl acetate	ND	ug/L	10.0	2.4	1		04/17/24 21:08	79-20-9	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/17/24 21:08	1634-04-4	
Methylcyclohexane	ND	ug/L	10.0	1.5	1		04/17/24 21:08	108-87-2	
Methylene Chloride	ND	ug/L	5.0	2.0	1		04/17/24 21:08	75-09-2	
Styrene	ND	ug/L	1.0	0.29	1		04/17/24 21:08	100-42-5	
Tetrachloroethene	**154**	ug/L	1.0	0.29	1		04/17/24 21:08	127-18-4	
Toluene	ND	ug/L	1.0	0.24	1		04/17/24 21:08	108-88-3	
Trichloroethene	**176**	ug/L	1.0	0.38	1		04/17/24 21:08	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		04/17/24 21:08	75-69-4	
Vinyl chloride	ND	ug/L	1.0	0.39	1		04/17/24 21:08	75-01-4	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/17/24 21:08	1330-20-7	
cis-1,2-Dichloroethene	**2.0**	ug/L	1.0	0.38	1		04/17/24 21:08	156-59-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: Lennox International/BISC
Pace Project No.: 92725516

Sample: MW-18 **Lab ID: 92725567007** Collected: 04/16/24 10:00 Received: 04/17/24 08:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		04/17/24 21:08	10061-01-5	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.40	1		04/17/24 21:08	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		04/17/24 21:08	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		04/17/24 21:08	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	70-130		1		04/17/24 21:08	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		04/17/24 21:08	2037-26-5	
8260D MSV SIM	Analytical Method: EPA 8260D Mod. Pace Analytical Services - Charlotte								
1,4-Dioxane (p-Dioxane)	ND	ug/L	2.0	0.86	1		04/19/24 02:55	123-91-1	
Surrogates									
1,2-Dichloroethane-d4 (S)	92	%	67-130		1		04/19/24 02:55	17060-07-0	
Toluene-d8 (S)	92	%	70-130		1		04/19/24 02:55	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: Lennox International/BISC
Pace Project No.: 92725516

Sample: DUP-01-GW-04162024 **Lab ID: 92725567008** Collected: 04/16/24 10:20 Received: 04/17/24 08:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
1,1,1-Trichloroethane	**0.45J**	ug/L	1.0	0.33	1		04/17/24 21:27	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		04/17/24 21:27	79-34-5	
1,1,2-Trichloroethane	**4.1**	ug/L	1.0	0.32	1		04/17/24 21:27	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.32	1		04/17/24 21:27	76-13-1	
1,1-Dichloroethane	ND	ug/L	1.0	0.37	1		04/17/24 21:27	75-34-3	
1,1-Dichloroethene	**4.5**	ug/L	1.0	0.35	1		04/17/24 21:27	75-35-4	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		04/17/24 21:27	120-82-1	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		04/17/24 21:27	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		04/17/24 21:27	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		04/17/24 21:27	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/17/24 21:27	107-06-2	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		04/17/24 21:27	78-87-5	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		04/17/24 21:27	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		04/17/24 21:27	106-46-7	
2-Butanone (MEK)	ND	ug/L	10.0	4.0	1		04/17/24 21:27	78-93-3	
2-Hexanone	ND	ug/L	10.0	0.48	1		04/17/24 21:27	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	2.7	1		04/17/24 21:27	108-10-1	
Acetone	ND	ug/L	25.0	5.1	1		04/17/24 21:27	67-64-1	
Benzene	ND	ug/L	1.0	0.34	1		04/17/24 21:27	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		04/17/24 21:27	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		04/17/24 21:27	75-25-2	
Bromomethane	ND	ug/L	2.0	1.7	1		04/17/24 21:27	74-83-9	v2
Carbon disulfide	ND	ug/L	2.0	0.36	1		04/17/24 21:27	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		04/17/24 21:27	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		04/17/24 21:27	108-90-7	
Chloroethane	ND	ug/L	2.0	0.65	1		04/17/24 21:27	75-00-3	
Chloroform	ND	ug/L	1.0	0.43	1		04/17/24 21:27	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		04/17/24 21:27	74-87-3	
Cyclohexane	ND	ug/L	1.0	0.35	1		04/17/24 21:27	110-82-7	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		04/17/24 21:27	124-48-1	
Dichlorodifluoromethane	ND	ug/L	2.0	0.35	1		04/17/24 21:27	75-71-8	v1
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/17/24 21:27	100-41-4	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.33	1		04/17/24 21:27	98-82-8	
Methyl acetate	ND	ug/L	10.0	2.4	1		04/17/24 21:27	79-20-9	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/17/24 21:27	1634-04-4	
Methylcyclohexane	ND	ug/L	10.0	1.5	1		04/17/24 21:27	108-87-2	
Methylene Chloride	ND	ug/L	5.0	2.0	1		04/17/24 21:27	75-09-2	
Styrene	ND	ug/L	1.0	0.29	1		04/17/24 21:27	100-42-5	
Tetrachloroethene	**149**	ug/L	1.0	0.29	1		04/17/24 21:27	127-18-4	
Toluene	ND	ug/L	1.0	0.24	1		04/17/24 21:27	108-88-3	
Trichloroethene	**170**	ug/L	1.0	0.38	1		04/17/24 21:27	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		04/17/24 21:27	75-69-4	
Vinyl chloride	ND	ug/L	1.0	0.39	1		04/17/24 21:27	75-01-4	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/17/24 21:27	1330-20-7	
cis-1,2-Dichloroethene	**1.9**	ug/L	1.0	0.38	1		04/17/24 21:27	156-59-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: Lennox International/BISC
Pace Project No.: 92725516

Sample: DUP-01-GW-04162024 **Lab ID: 92725567008** Collected: 04/16/24 10:20 Received: 04/17/24 08:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		04/17/24 21:27	10061-01-5	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.40	1		04/17/24 21:27	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		04/17/24 21:27	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		04/17/24 21:27	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	70-130		1		04/17/24 21:27	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		04/17/24 21:27	2037-26-5	
8260D MSV SIM	Analytical Method: EPA 8260D Mod. Pace Analytical Services - Charlotte								
1,4-Dioxane (p-Dioxane)	ND	ug/L	2.0	0.86	1		04/19/24 03:14	123-91-1	
Surrogates									
1,2-Dichloroethane-d4 (S)	90	%	67-130		1		04/19/24 03:14	17060-07-0	
Toluene-d8 (S)	92	%	70-130		1		04/19/24 03:14	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: Lennox International/BISC
Pace Project No.: 92725516

Sample: MW-7 **Lab ID: 92725567009** Collected: 04/16/24 12:45 Received: 04/17/24 08:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
1,1,1-Trichloroethane	ND	ug/L	12.5	4.2	12.5		04/19/24 14:53	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	12.5	2.8	12.5		04/19/24 14:53	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	12.5	4.1	12.5		04/19/24 14:53	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	12.5	4.0	12.5		04/19/24 14:53	76-13-1	
1,1-Dichloroethane	ND	ug/L	12.5	4.6	12.5		04/19/24 14:53	75-34-3	
1,1-Dichloroethene	ND	ug/L	12.5	4.4	12.5		04/19/24 14:53	75-35-4	
1,2,4-Trichlorobenzene	ND	ug/L	12.5	8.0	12.5		04/19/24 14:53	120-82-1	
1,2-Dibromo-3-chloropropane	ND	ug/L	25.0	4.2	12.5		04/19/24 14:53	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	12.5	3.4	12.5		04/19/24 14:53	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	12.5	4.2	12.5		04/19/24 14:53	95-50-1	
1,2-Dichloroethane	ND	ug/L	12.5	4.0	12.5		04/19/24 14:53	107-06-2	
1,2-Dichloropropane	ND	ug/L	12.5	4.4	12.5		04/19/24 14:53	78-87-5	
1,3-Dichlorobenzene	ND	ug/L	12.5	4.2	12.5		04/19/24 14:53	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	12.5	4.2	12.5		04/19/24 14:53	106-46-7	
2-Butanone (MEK)	ND	ug/L	125	49.5	12.5		04/19/24 14:53	78-93-3	
2-Hexanone	ND	ug/L	125	6.0	12.5		04/19/24 14:53	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	125	33.9	12.5		04/19/24 14:53	108-10-1	
Acetone	ND	ug/L	312	63.9	12.5		04/19/24 14:53	67-64-1	
Benzene	ND	ug/L	12.5	4.3	12.5		04/19/24 14:53	71-43-2	
Bromodichloromethane	ND	ug/L	12.5	3.8	12.5		04/19/24 14:53	75-27-4	
Bromoform	ND	ug/L	12.5	4.3	12.5		04/19/24 14:53	75-25-2	
Bromomethane	ND	ug/L	25.0	20.8	12.5		04/19/24 14:53	74-83-9	
Carbon disulfide	ND	ug/L	25.0	4.4	12.5		04/19/24 14:53	75-15-0	
Carbon tetrachloride	ND	ug/L	12.5	4.2	12.5		04/19/24 14:53	56-23-5	
Chlorobenzene	ND	ug/L	12.5	3.6	12.5		04/19/24 14:53	108-90-7	
Chloroethane	ND	ug/L	25.0	8.1	12.5		04/19/24 14:53	75-00-3	
Chloroform	ND	ug/L	12.5	5.4	12.5		04/19/24 14:53	67-66-3	
Chloromethane	ND	ug/L	12.5	6.8	12.5		04/19/24 14:53	74-87-3	
Cyclohexane	ND	ug/L	12.5	4.4	12.5		04/19/24 14:53	110-82-7	
Dibromochloromethane	ND	ug/L	12.5	4.5	12.5		04/19/24 14:53	124-48-1	
Dichlorodifluoromethane	ND	ug/L	25.0	4.3	12.5		04/19/24 14:53	75-71-8	v1
Ethylbenzene	**253**	ug/L	12.5	3.8	12.5		04/19/24 14:53	100-41-4	
Isopropylbenzene (Cumene)	ND	ug/L	12.5	4.2	12.5		04/19/24 14:53	98-82-8	
Methyl acetate	ND	ug/L	125	29.9	12.5		04/19/24 14:53	79-20-9	
Methyl-tert-butyl ether	ND	ug/L	12.5	5.3	12.5		04/19/24 14:53	1634-04-4	
Methylcyclohexane	ND	ug/L	125	18.9	12.5		04/19/24 14:53	108-87-2	
Methylene Chloride	ND	ug/L	62.5	24.4	12.5		04/19/24 14:53	75-09-2	
Styrene	ND	ug/L	12.5	3.6	12.5		04/19/24 14:53	100-42-5	
Tetrachloroethene	ND	ug/L	12.5	3.6	12.5		04/19/24 14:53	127-18-4	
Toluene	**5.3J**	ug/L	12.5	3.0	12.5		04/19/24 14:53	108-88-3	
Trichloroethene	ND	ug/L	12.5	4.8	12.5		04/19/24 14:53	79-01-6	
Trichlorofluoromethane	ND	ug/L	12.5	3.7	12.5		04/19/24 14:53	75-69-4	
Vinyl chloride	**517**	ug/L	12.5	4.8	12.5		04/19/24 14:53	75-01-4	
Xylene (Total)	**927**	ug/L	12.5	4.2	12.5		04/19/24 14:53	1330-20-7	
cis-1,2-Dichloroethene	**1650**	ug/L	12.5	4.8	12.5		04/19/24 14:53	156-59-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: Lennox International/BISC
Pace Project No.: 92725516

Sample: MW-7 **Lab ID: 92725567009** Collected: 04/16/24 12:45 Received: 04/17/24 08:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
cis-1,3-Dichloropropene	ND	ug/L	12.5	4.6	12.5		04/19/24 14:53	10061-01-5	
trans-1,2-Dichloroethene	ND	ug/L	12.5	5.0	12.5		04/19/24 14:53	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	12.5	4.5	12.5		04/19/24 14:53	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		12.5		04/19/24 14:53	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	70-130		12.5		04/19/24 14:53	17060-07-0	
Toluene-d8 (S)	99	%	70-130		12.5		04/19/24 14:53	2037-26-5	
8260D MSV SIM	Analytical Method: EPA 8260D Mod. Pace Analytical Services - Charlotte								
1,4-Dioxane (p-Dioxane)	ND	ug/L	2.0	0.86	1		04/19/24 03:33	123-91-1	
Surrogates									
1,2-Dichloroethane-d4 (S)	94	%	67-130		1		04/19/24 03:33	17060-07-0	
Toluene-d8 (S)	90	%	70-130		1		04/19/24 03:33	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: Lennox International/BISC
Pace Project No.: 92725516

Sample: MW-6R **Lab ID: 92725567010** Collected: 04/16/24 11:00 Received: 04/17/24 08:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
1,1,1-Trichloroethane	ND	ug/L	1.0	0.33	1		04/17/24 22:03	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		04/17/24 22:03	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.32	1		04/17/24 22:03	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.32	1		04/17/24 22:03	76-13-1	
1,1-Dichloroethane	ND	ug/L	1.0	0.37	1		04/17/24 22:03	75-34-3	
1,1-Dichloroethene	ND	ug/L	1.0	0.35	1		04/17/24 22:03	75-35-4	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		04/17/24 22:03	120-82-1	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		04/17/24 22:03	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		04/17/24 22:03	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		04/17/24 22:03	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/17/24 22:03	107-06-2	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		04/17/24 22:03	78-87-5	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		04/17/24 22:03	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		04/17/24 22:03	106-46-7	
2-Butanone (MEK)	ND	ug/L	10.0	4.0	1		04/17/24 22:03	78-93-3	
2-Hexanone	ND	ug/L	10.0	0.48	1		04/17/24 22:03	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	2.7	1		04/17/24 22:03	108-10-1	
Acetone	ND	ug/L	25.0	5.1	1		04/17/24 22:03	67-64-1	
Benzene	ND	ug/L	1.0	0.34	1		04/17/24 22:03	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		04/17/24 22:03	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		04/17/24 22:03	75-25-2	
Bromomethane	ND	ug/L	2.0	1.7	1		04/17/24 22:03	74-83-9	v2
Carbon disulfide	ND	ug/L	2.0	0.36	1		04/17/24 22:03	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		04/17/24 22:03	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		04/17/24 22:03	108-90-7	
Chloroethane	ND	ug/L	2.0	0.65	1		04/17/24 22:03	75-00-3	
Chloroform	ND	ug/L	1.0	0.43	1		04/17/24 22:03	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		04/17/24 22:03	74-87-3	
Cyclohexane	ND	ug/L	1.0	0.35	1		04/17/24 22:03	110-82-7	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		04/17/24 22:03	124-48-1	
Dichlorodifluoromethane	ND	ug/L	2.0	0.35	1		04/17/24 22:03	75-71-8	v1
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/17/24 22:03	100-41-4	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.33	1		04/17/24 22:03	98-82-8	
Methyl acetate	ND	ug/L	10.0	2.4	1		04/17/24 22:03	79-20-9	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/17/24 22:03	1634-04-4	
Methylcyclohexane	ND	ug/L	10.0	1.5	1		04/17/24 22:03	108-87-2	
Methylene Chloride	ND	ug/L	5.0	2.0	1		04/17/24 22:03	75-09-2	
Styrene	ND	ug/L	1.0	0.29	1		04/17/24 22:03	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	0.29	1		04/17/24 22:03	127-18-4	
Toluene	ND	ug/L	1.0	0.24	1		04/17/24 22:03	108-88-3	
Trichloroethene	ND	ug/L	1.0	0.38	1		04/17/24 22:03	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		04/17/24 22:03	75-69-4	
Vinyl chloride	ND	ug/L	1.0	0.39	1		04/17/24 22:03	75-01-4	
Xylene (Total)	**1.2**	ug/L	1.0	0.34	1		04/17/24 22:03	1330-20-7	
cis-1,2-Dichloroethene	**0.65J**	ug/L	1.0	0.38	1		04/17/24 22:03	156-59-2	C8

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: Lennox International/BISC
Pace Project No.: 92725516

Sample: MW-6R **Lab ID: 92725567010** Collected: 04/16/24 11:00 Received: 04/17/24 08:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		04/17/24 22:03	10061-01-5	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.40	1		04/17/24 22:03	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		04/17/24 22:03	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		04/17/24 22:03	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	70-130		1		04/17/24 22:03	17060-07-0	
Toluene-d8 (S)	104	%	70-130		1		04/17/24 22:03	2037-26-5	
8260D MSV SIM	Analytical Method: EPA 8260D Mod. Pace Analytical Services - Charlotte								
1,4-Dioxane (p-Dioxane)	ND	ug/L	2.0	0.86	1		04/19/24 03:53	123-91-1	
Surrogates									
1,2-Dichloroethane-d4 (S)	91	%	67-130		1		04/19/24 03:53	17060-07-0	
Toluene-d8 (S)	91	%	70-130		1		04/19/24 03:53	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: Lennox International/BISC
Pace Project No.: 92725516

Sample: MW-15 **Lab ID: 92725567011** Collected: 04/16/24 10:00 Received: 04/17/24 08:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
1,1,1-Trichloroethane	ND	ug/L	1.0	0.33	1		04/17/24 22:21	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		04/17/24 22:21	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.32	1		04/17/24 22:21	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.32	1		04/17/24 22:21	76-13-1	
1,1-Dichloroethane	ND	ug/L	1.0	0.37	1		04/17/24 22:21	75-34-3	
1,1-Dichloroethene	ND	ug/L	1.0	0.35	1		04/17/24 22:21	75-35-4	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		04/17/24 22:21	120-82-1	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		04/17/24 22:21	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		04/17/24 22:21	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		04/17/24 22:21	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/17/24 22:21	107-06-2	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		04/17/24 22:21	78-87-5	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		04/17/24 22:21	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		04/17/24 22:21	106-46-7	
2-Butanone (MEK)	ND	ug/L	10.0	4.0	1		04/17/24 22:21	78-93-3	
2-Hexanone	ND	ug/L	10.0	0.48	1		04/17/24 22:21	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	2.7	1		04/17/24 22:21	108-10-1	
Acetone	ND	ug/L	25.0	5.1	1		04/17/24 22:21	67-64-1	
Benzene	ND	ug/L	1.0	0.34	1		04/17/24 22:21	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		04/17/24 22:21	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		04/17/24 22:21	75-25-2	
Bromomethane	ND	ug/L	2.0	1.7	1		04/17/24 22:21	74-83-9	v2
Carbon disulfide	ND	ug/L	2.0	0.36	1		04/17/24 22:21	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		04/17/24 22:21	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		04/17/24 22:21	108-90-7	
Chloroethane	ND	ug/L	2.0	0.65	1		04/17/24 22:21	75-00-3	
Chloroform	ND	ug/L	1.0	0.43	1		04/17/24 22:21	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		04/17/24 22:21	74-87-3	
Cyclohexane	ND	ug/L	1.0	0.35	1		04/17/24 22:21	110-82-7	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		04/17/24 22:21	124-48-1	
Dichlorodifluoromethane	ND	ug/L	2.0	0.35	1		04/17/24 22:21	75-71-8	v1
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/17/24 22:21	100-41-4	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.33	1		04/17/24 22:21	98-82-8	
Methyl acetate	ND	ug/L	10.0	2.4	1		04/17/24 22:21	79-20-9	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/17/24 22:21	1634-04-4	
Methylcyclohexane	ND	ug/L	10.0	1.5	1		04/17/24 22:21	108-87-2	
Methylene Chloride	ND	ug/L	5.0	2.0	1		04/17/24 22:21	75-09-2	
Styrene	ND	ug/L	1.0	0.29	1		04/17/24 22:21	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	0.29	1		04/17/24 22:21	127-18-4	
Toluene	ND	ug/L	1.0	0.24	1		04/17/24 22:21	108-88-3	
Trichloroethene	ND	ug/L	1.0	0.38	1		04/17/24 22:21	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		04/17/24 22:21	75-69-4	
Vinyl chloride	ND	ug/L	1.0	0.39	1		04/17/24 22:21	75-01-4	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/17/24 22:21	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.38	1		04/17/24 22:21	156-59-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: Lennox International/BISC
Pace Project No.: 92725516

Sample: MW-15 **Lab ID: 92725567011** Collected: 04/16/24 10:00 Received: 04/17/24 08:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		04/17/24 22:21	10061-01-5	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.40	1		04/17/24 22:21	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		04/17/24 22:21	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		04/17/24 22:21	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%	70-130		1		04/17/24 22:21	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		04/17/24 22:21	2037-26-5	
8260D MSV SIM	Analytical Method: EPA 8260D Mod. Pace Analytical Services - Charlotte								
1,4-Dioxane (p-Dioxane)	ND	ug/L	2.0	0.86	1		04/19/24 04:12	123-91-1	
Surrogates									
1,2-Dichloroethane-d4 (S)	90	%	67-130		1		04/19/24 04:12	17060-07-0	
Toluene-d8 (S)	92	%	70-130		1		04/19/24 04:12	2037-26-5	

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: Lennox International/BISC
Pace Project No.: 92725516

Sample: Trip Blank **Lab ID: 92725567012** Collected: 04/16/24 00:00 Received: 04/17/24 08:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
1,1,1-Trichloroethane	ND	ug/L	1.0	0.33	1		04/17/24 19:38	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		04/17/24 19:38	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.32	1		04/17/24 19:38	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.32	1		04/17/24 19:38	76-13-1	
1,1-Dichloroethane	ND	ug/L	1.0	0.37	1		04/17/24 19:38	75-34-3	
1,1-Dichloroethene	ND	ug/L	1.0	0.35	1		04/17/24 19:38	75-35-4	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		04/17/24 19:38	120-82-1	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		04/17/24 19:38	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		04/17/24 19:38	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		04/17/24 19:38	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/17/24 19:38	107-06-2	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		04/17/24 19:38	78-87-5	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		04/17/24 19:38	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		04/17/24 19:38	106-46-7	
2-Butanone (MEK)	ND	ug/L	10.0	4.0	1		04/17/24 19:38	78-93-3	
2-Hexanone	ND	ug/L	10.0	0.48	1		04/17/24 19:38	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	2.7	1		04/17/24 19:38	108-10-1	
Acetone	ND	ug/L	25.0	5.1	1		04/17/24 19:38	67-64-1	
Benzene	ND	ug/L	1.0	0.34	1		04/17/24 19:38	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		04/17/24 19:38	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		04/17/24 19:38	75-25-2	
Bromomethane	ND	ug/L	2.0	1.7	1		04/17/24 19:38	74-83-9	v2
Carbon disulfide	ND	ug/L	2.0	0.36	1		04/17/24 19:38	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		04/17/24 19:38	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		04/17/24 19:38	108-90-7	
Chloroethane	ND	ug/L	2.0	0.65	1		04/17/24 19:38	75-00-3	
Chloroform	ND	ug/L	1.0	0.43	1		04/17/24 19:38	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		04/17/24 19:38	74-87-3	
Cyclohexane	ND	ug/L	1.0	0.35	1		04/17/24 19:38	110-82-7	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		04/17/24 19:38	124-48-1	
Dichlorodifluoromethane	ND	ug/L	2.0	0.35	1		04/17/24 19:38	75-71-8	v1
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/17/24 19:38	100-41-4	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.33	1		04/17/24 19:38	98-82-8	
Methyl acetate	ND	ug/L	10.0	2.4	1		04/17/24 19:38	79-20-9	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/17/24 19:38	1634-04-4	
Methylcyclohexane	ND	ug/L	10.0	1.5	1		04/17/24 19:38	108-87-2	
Methylene Chloride	ND	ug/L	5.0	2.0	1		04/17/24 19:38	75-09-2	
Styrene	ND	ug/L	1.0	0.29	1		04/17/24 19:38	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	0.29	1		04/17/24 19:38	127-18-4	
Toluene	ND	ug/L	1.0	0.24	1		04/17/24 19:38	108-88-3	
Trichloroethene	ND	ug/L	1.0	0.38	1		04/17/24 19:38	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		04/17/24 19:38	75-69-4	
Vinyl chloride	ND	ug/L	1.0	0.39	1		04/17/24 19:38	75-01-4	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/17/24 19:38	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.38	1		04/17/24 19:38	156-59-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: Lennox International/BISC
Pace Project No.: 92725516

Sample: Trip Blank **Lab ID: 92725567012** Collected: 04/16/24 00:00 Received: 04/17/24 08:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		04/17/24 19:38	10061-01-5	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.40	1		04/17/24 19:38	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		04/17/24 19:38	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		04/17/24 19:38	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	70-130		1		04/17/24 19:38	17060-07-0	
Toluene-d8 (S)	104	%	70-130		1		04/17/24 19:38	2037-26-5	

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: Lennox International/BISC
Pace Project No.: 92725516

QC Batch: 847702
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260D MSV Low Level
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92725567003, 92725567004, 92725567005, 92725567006, 92725567007, 92725567008, 92725567010, 92725567011, 92725567012

METHOD BLANK: 4376661
Matrix: Water
Associated Lab Samples: 92725567003, 92725567004, 92725567005, 92725567006, 92725567007, 92725567008, 92725567010, 92725567011, 92725567012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	1.0	0.33	04/17/24 14:30	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	0.22	04/17/24 14:30	
1,1,2-Trichloroethane	ug/L	ND	1.0	0.32	04/17/24 14:30	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	0.32	04/17/24 14:30	
1,1-Dichloroethane	ug/L	ND	1.0	0.37	04/17/24 14:30	
1,1-Dichloroethene	ug/L	ND	1.0	0.35	04/17/24 14:30	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	0.64	04/17/24 14:30	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.0	0.34	04/17/24 14:30	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	0.27	04/17/24 14:30	
1,2-Dichlorobenzene	ug/L	ND	1.0	0.34	04/17/24 14:30	
1,2-Dichloroethane	ug/L	ND	1.0	0.32	04/17/24 14:30	
1,2-Dichloropropane	ug/L	ND	1.0	0.36	04/17/24 14:30	
1,3-Dichlorobenzene	ug/L	ND	1.0	0.34	04/17/24 14:30	
1,4-Dichlorobenzene	ug/L	ND	1.0	0.33	04/17/24 14:30	
2-Butanone (MEK)	ug/L	ND	10.0	4.0	04/17/24 14:30	
2-Hexanone	ug/L	ND	10.0	0.48	04/17/24 14:30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	2.7	04/17/24 14:30	
Acetone	ug/L	ND	25.0	5.1	04/17/24 14:30	
Benzene	ug/L	ND	1.0	0.34	04/17/24 14:30	
Bromodichloromethane	ug/L	ND	1.0	0.31	04/17/24 14:30	
Bromoform	ug/L	ND	1.0	0.34	04/17/24 14:30	
Bromomethane	ug/L	ND	2.0	1.7	04/17/24 14:30	v2
Carbon disulfide	ug/L	ND	2.0	0.36	04/17/24 14:30	
Carbon tetrachloride	ug/L	ND	1.0	0.33	04/17/24 14:30	
Chlorobenzene	ug/L	ND	1.0	0.28	04/17/24 14:30	
Chloroethane	ug/L	ND	2.0	0.65	04/17/24 14:30	
Chloroform	ug/L	ND	1.0	0.43	04/17/24 14:30	
Chloromethane	ug/L	ND	1.0	0.54	04/17/24 14:30	
cis-1,2-Dichloroethene	ug/L	ND	1.0	0.38	04/17/24 14:30	
cis-1,3-Dichloropropene	ug/L	ND	1.0	0.36	04/17/24 14:30	
Cyclohexane	ug/L	ND	1.0	0.35	04/17/24 14:30	
Dibromochloromethane	ug/L	ND	1.0	0.36	04/17/24 14:30	
Dichlorodifluoromethane	ug/L	ND	2.0	0.35	04/17/24 14:30	v1
Ethylbenzene	ug/L	ND	1.0	0.30	04/17/24 14:30	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	0.33	04/17/24 14:30	
Methyl acetate	ug/L	ND	10.0	2.4	04/17/24 14:30	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	04/17/24 14:30	
Methylcyclohexane	ug/L	ND	10.0	1.5	04/17/24 14:30	
Methylene Chloride	ug/L	ND	5.0	2.0	04/17/24 14:30	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: Lennox International/BISC
Pace Project No.: 92725516

METHOD BLANK: 4376661 Matrix: Water

Associated Lab Samples: 92725567003, 92725567004, 92725567005, 92725567006, 92725567007, 92725567008, 92725567010, 92725567011, 92725567012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Styrene	ug/L	ND	1.0	0.29	04/17/24 14:30	
Tetrachloroethene	ug/L	ND	1.0	0.29	04/17/24 14:30	
Toluene	ug/L	ND	1.0	0.24	04/17/24 14:30	
trans-1,2-Dichloroethene	ug/L	ND	1.0	0.40	04/17/24 14:30	
trans-1,3-Dichloropropene	ug/L	ND	1.0	0.36	04/17/24 14:30	
Trichloroethene	ug/L	ND	1.0	0.38	04/17/24 14:30	
Trichlorofluoromethane	ug/L	ND	1.0	0.30	04/17/24 14:30	
Vinyl chloride	ug/L	ND	1.0	0.39	04/17/24 14:30	
Xylene (Total)	ug/L	ND	1.0	0.34	04/17/24 14:30	
1,2-Dichloroethane-d4 (S)	%	107	70-130		04/17/24 14:30	
4-Bromofluorobenzene (S)	%	97	70-130		04/17/24 14:30	
Toluene-d8 (S)	%	103	70-130		04/17/24 14:30	

LABORATORY CONTROL SAMPLE: 4376662

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	19.9	99	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	20.4	102	70-130	
1,1,2-Trichloroethane	ug/L	20	20.3	101	70-130	
1,1,2-Trichlorotrifluoroethane	ug/L	20	19.1	95	70-132	
1,1-Dichloroethane	ug/L	20	18.9	95	70-130	
1,1-Dichloroethene	ug/L	20	19.1	95	69-131	
1,2,4-Trichlorobenzene	ug/L	20	17.6	88	70-130	
1,2-Dibromo-3-chloropropane	ug/L	20	20.9	105	70-130	
1,2-Dibromoethane (EDB)	ug/L	20	20.1	100	70-130	
1,2-Dichlorobenzene	ug/L	20	19.4	97	70-130	
1,2-Dichloroethane	ug/L	20	22.2	111	70-130	
1,2-Dichloropropane	ug/L	20	19.1	95	70-130	
1,3-Dichlorobenzene	ug/L	20	19.8	99	70-130	
1,4-Dichlorobenzene	ug/L	20	19.4	97	70-130	
2-Butanone (MEK)	ug/L	40	41.1	103	67-133	
2-Hexanone	ug/L	40	38.6	97	70-133	
4-Methyl-2-pentanone (MIBK)	ug/L	40	39.2	98	70-130	
Acetone	ug/L	40	38.7	97	67-130	
Benzene	ug/L	20	18.8	94	70-130	
Bromodichloromethane	ug/L	20	21.1	106	70-130	
Bromoform	ug/L	20	19.7	98	70-133	
Bromomethane	ug/L	20	11.0	55	41-148	v3
Carbon disulfide	ug/L	20	17.8	89	70-131	
Carbon tetrachloride	ug/L	20	18.8	94	70-130	
Chlorobenzene	ug/L	20	19.4	97	70-130	
Chloroethane	ug/L	20	15.6	78	41-157	
Chloroform	ug/L	20	19.7	98	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: Lennox International/BISC
Pace Project No.: 92725516

LABORATORY CONTROL SAMPLE: 4376662

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloromethane	ug/L	20	17.1	86	59-141	
cis-1,2-Dichloroethene	ug/L	20	19.6	98	70-130	
cis-1,3-Dichloropropene	ug/L	20	19.9	99	70-130	
Cyclohexane	ug/L	20	19.3	97	63-137	
Dibromochloromethane	ug/L	20	20.2	101	70-130	
Dichlorodifluoromethane	ug/L	20	21.3	106	54-147	v1
Ethylbenzene	ug/L	20	19.4	97	70-130	
Isopropylbenzene (Cumene)	ug/L	20	19.6	98	70-130	
Methyl acetate	ug/L	20	18.7	94	70-130	
Methyl-tert-butyl ether	ug/L	20	18.4	92	70-130	
Methylcyclohexane	ug/L	20	21.3	106	70-130	
Methylene Chloride	ug/L	20	18.0	90	62-130	
Styrene	ug/L	20	19.9	99	70-130	
Tetrachloroethene	ug/L	20	18.2	91	70-130	
Toluene	ug/L	20	19.5	97	70-130	
trans-1,2-Dichloroethene	ug/L	20	19.3	96	70-130	
trans-1,3-Dichloropropene	ug/L	20	20.0	100	70-130	
Trichloroethene	ug/L	20	19.8	99	70-130	
Trichlorofluoromethane	ug/L	20	18.0	90	57-130	
Vinyl chloride	ug/L	20	19.4	97	66-140	
Xylene (Total)	ug/L	60	59.0	98	70-130	
1,2-Dichloroethane-d4 (S)	%			105	70-130	
4-Bromofluorobenzene (S)	%			103	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE SAMPLE: 4376663

Parameter	Units	92725567003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	20	23.5	118	70-150	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20.9	104	66-144	
1,1,2-Trichloroethane	ug/L	1.1	20	22.5	107	70-142	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	20	23.7	119	66-168	
1,1-Dichloroethane	ug/L	ND	20	23.0	115	68-150	
1,1-Dichloroethene	ug/L	ND	20	23.8	119	64-162	
1,2,4-Trichlorobenzene	ug/L	ND	20	18.0	90	69-147	
1,2-Dibromo-3-chloropropane	ug/L	ND	20	20.7	103	62-146	
1,2-Dibromoethane (EDB)	ug/L	ND	20	21.3	106	70-143	
1,2-Dichlorobenzene	ug/L	ND	20	20.7	103	70-142	
1,2-Dichloroethane	ug/L	ND	20	23.5	117	68-145	
1,2-Dichloropropane	ug/L	ND	20	21.3	106	70-144	
1,3-Dichlorobenzene	ug/L	ND	20	20.9	104	70-142	
1,4-Dichlorobenzene	ug/L	ND	20	20.5	102	70-140	
2-Butanone (MEK)	ug/L	ND	40	43.7	109	57-156	
2-Hexanone	ug/L	ND	40	40.9	102	62-153	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	40	41.3	103	65-144	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: Lennox International/BISC
Pace Project No.: 92725516

MATRIX SPIKE SAMPLE: 4376663

Parameter	Units	92725567003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Acetone	ug/L	ND	40	45.7	105	49-162	
Benzene	ug/L	ND	20	22.0	110	68-144	
Bromodichloromethane	ug/L	ND	20	22.7	114	70-141	
Bromoform	ug/L	ND	20	18.9	94	59-144	
Bromomethane	ug/L	ND	20	12.0	60	23-190	v3
Carbon disulfide	ug/L	ND	20	21.2	106	64-160	
Carbon tetrachloride	ug/L	ND	20	22.3	111	70-147	
Chlorobenzene	ug/L	ND	20	21.3	106	70-143	
Chloroethane	ug/L	ND	20	17.5	87	55-190	
Chloroform	ug/L	ND	20	23.0	115	67-148	
Chloromethane	ug/L	ND	20	19.4	97	38-180	
cis-1,2-Dichloroethene	ug/L	14.5	20	38.0	117	67-151	
cis-1,3-Dichloropropene	ug/L	ND	20	21.4	107	70-142	
Cyclohexane	ug/L	ND	20	24.3	121	64-162	
Dibromochloromethane	ug/L	ND	20	20.7	103	68-140	
Dichlorodifluoromethane	ug/L	ND	20	24.6	123	15-200	v1
Ethylbenzene	ug/L	ND	20	21.7	108	70-145	
Isopropylbenzene (Cumene)	ug/L	ND	20	22.1	110	70-144	
Methyl acetate	ug/L	ND	20	20.4	102	62-144	
Methyl-tert-butyl ether	ug/L	ND	20	20.5	102	64-146	
Methylcyclohexane	ug/L	ND	20	26.3	131	70-155	
Methylene Chloride	ug/L	ND	20	20.9	104	54-149	
Styrene	ug/L	ND	20	21.5	107	70-147	
Tetrachloroethene	ug/L	3.7	20	24.8	106	70-145	
Toluene	ug/L	ND	20	22.0	110	65-146	
trans-1,2-Dichloroethene	ug/L	ND	20	24.3	121	69-155	
trans-1,3-Dichloropropene	ug/L	ND	20	21.1	105	70-142	
Trichloroethene	ug/L	7.2	20	30.0	114	70-152	
Trichlorofluoromethane	ug/L	ND	20	20.0	100	60-158	
Vinyl chloride	ug/L	ND	20	24.0	119	51-178	
Xylene (Total)	ug/L	ND	60	65.5	109	70-146	
1,2-Dichloroethane-d4 (S)	%				106	70-130	
4-Bromofluorobenzene (S)	%				104	70-130	
Toluene-d8 (S)	%				100	70-130	

SAMPLE DUPLICATE: 4376664

Parameter	Units	92725567004 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	ND		30	
1,1,2,2-Tetrachloroethane	ug/L	ND	ND		30	
1,1,2-Trichloroethane	ug/L	ND	ND		30	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	ND		30	
1,1-Dichloroethane	ug/L	ND	ND		30	
1,1-Dichloroethene	ug/L	1.5	1.6	3	30	
1,2,4-Trichlorobenzene	ug/L	ND	ND		30	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: Lennox International/BISC
Pace Project No.: 92725516

SAMPLE DUPLICATE: 4376664

Parameter	Units	92725567004 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	ND	ND		30	
1,2-Dibromoethane (EDB)	ug/L	ND	ND		30	
1,2-Dichlorobenzene	ug/L	ND	ND		30	
1,2-Dichloroethane	ug/L	ND	ND		30	
1,2-Dichloropropane	ug/L	ND	ND		30	
1,3-Dichlorobenzene	ug/L	ND	ND		30	
1,4-Dichlorobenzene	ug/L	ND	ND		30	
2-Butanone (MEK)	ug/L	ND	ND		30	
2-Hexanone	ug/L	ND	ND		30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	ND		30	
Acetone	ug/L	ND	ND		30	
Benzene	ug/L	ND	ND		30	
Bromodichloromethane	ug/L	ND	ND		30	
Bromoform	ug/L	ND	ND		30	
Bromomethane	ug/L	ND	ND		30	v2
Carbon disulfide	ug/L	ND	ND		30	
Carbon tetrachloride	ug/L	ND	ND		30	
Chlorobenzene	ug/L	ND	ND		30	
Chloroethane	ug/L	ND	ND		30	
Chloroform	ug/L	ND	ND		30	
Chloromethane	ug/L	ND	ND		30	
cis-1,2-Dichloroethene	ug/L	1.3	1.3	3	30	
cis-1,3-Dichloropropene	ug/L	ND	ND		30	
Cyclohexane	ug/L	ND	ND		30	
Dibromochloromethane	ug/L	ND	ND		30	
Dichlorodifluoromethane	ug/L	ND	ND		30	v1
Ethylbenzene	ug/L	ND	ND		30	
Isopropylbenzene (Cumene)	ug/L	ND	ND		30	
Methyl acetate	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	ND	ND		30	
Methylcyclohexane	ug/L	ND	ND		30	
Methylene Chloride	ug/L	ND	ND		30	
Styrene	ug/L	ND	ND		30	
Tetrachloroethene	ug/L	33.8	34.2	1	30	
Toluene	ug/L	ND	ND		30	
trans-1,2-Dichloroethene	ug/L	ND	ND		30	
trans-1,3-Dichloropropene	ug/L	ND	ND		30	
Trichloroethene	ug/L	2.3	2.4	1	30	
Trichlorofluoromethane	ug/L	ND	ND		30	
Vinyl chloride	ug/L	ND	ND		30	
Xylene (Total)	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	107	110			
4-Bromofluorobenzene (S)	%	98	100			
Toluene-d8 (S)	%	103	102			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: Lennox International/BISC
Pace Project No.: 92725516

QC Batch: 847958
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260D MSV Low Level
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92725567001, 92725567002

METHOD BLANK: 4377932 Matrix: Water
Associated Lab Samples: 92725567001, 92725567002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	1.0	0.33	04/19/24 00:08	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	0.22	04/19/24 00:08	
1,1,2-Trichloroethane	ug/L	ND	1.0	0.32	04/19/24 00:08	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	0.32	04/19/24 00:08	
1,1-Dichloroethane	ug/L	ND	1.0	0.37	04/19/24 00:08	
1,1-Dichloroethene	ug/L	ND	1.0	0.35	04/19/24 00:08	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	0.64	04/19/24 00:08	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.0	0.34	04/19/24 00:08	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	0.27	04/19/24 00:08	
1,2-Dichlorobenzene	ug/L	ND	1.0	0.34	04/19/24 00:08	
1,2-Dichloroethane	ug/L	ND	1.0	0.32	04/19/24 00:08	
1,2-Dichloropropane	ug/L	ND	1.0	0.36	04/19/24 00:08	
1,3-Dichlorobenzene	ug/L	ND	1.0	0.34	04/19/24 00:08	
1,4-Dichlorobenzene	ug/L	ND	1.0	0.33	04/19/24 00:08	
2-Butanone (MEK)	ug/L	ND	10.0	4.0	04/19/24 00:08	
2-Hexanone	ug/L	ND	10.0	0.48	04/19/24 00:08	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	2.7	04/19/24 00:08	
Acetone	ug/L	ND	25.0	5.1	04/19/24 00:08	
Benzene	ug/L	ND	1.0	0.34	04/19/24 00:08	
Bromodichloromethane	ug/L	ND	1.0	0.31	04/19/24 00:08	
Bromoform	ug/L	ND	1.0	0.34	04/19/24 00:08	
Bromomethane	ug/L	ND	2.0	1.7	04/19/24 00:08	
Carbon disulfide	ug/L	ND	2.0	0.36	04/19/24 00:08	
Carbon tetrachloride	ug/L	ND	1.0	0.33	04/19/24 00:08	
Chlorobenzene	ug/L	ND	1.0	0.28	04/19/24 00:08	
Chloroethane	ug/L	ND	2.0	0.65	04/19/24 00:08	
Chloroform	ug/L	ND	1.0	0.43	04/19/24 00:08	
Chloromethane	ug/L	ND	1.0	0.54	04/19/24 00:08	
cis-1,2-Dichloroethene	ug/L	ND	1.0	0.38	04/19/24 00:08	
cis-1,3-Dichloropropene	ug/L	ND	1.0	0.36	04/19/24 00:08	
Cyclohexane	ug/L	ND	1.0	0.35	04/19/24 00:08	
Dibromochloromethane	ug/L	ND	1.0	0.36	04/19/24 00:08	
Dichlorodifluoromethane	ug/L	ND	2.0	0.35	04/19/24 00:08	
Ethylbenzene	ug/L	ND	1.0	0.30	04/19/24 00:08	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	0.33	04/19/24 00:08	
Methyl acetate	ug/L	ND	10.0	2.4	04/19/24 00:08	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	04/19/24 00:08	
Methylcyclohexane	ug/L	ND	10.0	1.5	04/19/24 00:08	
Methylene Chloride	ug/L	ND	5.0	2.0	04/19/24 00:08	
Styrene	ug/L	ND	1.0	0.29	04/19/24 00:08	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: Lennox International/BISC
Pace Project No.: 92725516

METHOD BLANK: 4377932 Matrix: Water
Associated Lab Samples: 92725567001, 92725567002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Tetrachloroethene	ug/L	ND	1.0	0.29	04/19/24 00:08	
Toluene	ug/L	ND	1.0	0.24	04/19/24 00:08	
trans-1,2-Dichloroethene	ug/L	ND	1.0	0.40	04/19/24 00:08	
trans-1,3-Dichloropropene	ug/L	ND	1.0	0.36	04/19/24 00:08	
Trichloroethene	ug/L	ND	1.0	0.38	04/19/24 00:08	
Trichlorofluoromethane	ug/L	ND	1.0	0.30	04/19/24 00:08	
Vinyl chloride	ug/L	ND	1.0	0.39	04/19/24 00:08	
Xylene (Total)	ug/L	ND	1.0	0.34	04/19/24 00:08	
1,2-Dichloroethane-d4 (S)	%	107	70-130		04/19/24 00:08	
4-Bromofluorobenzene (S)	%	101	70-130		04/19/24 00:08	
Toluene-d8 (S)	%	104	70-130		04/19/24 00:08	

LABORATORY CONTROL SAMPLE: 4377933

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	21.5	108	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	20.9	104	70-130	
1,1,2-Trichloroethane	ug/L	20	21.4	107	70-130	
1,1,2-Trichlorotrifluoroethane	ug/L	20	22.8	114	70-132	
1,1-Dichloroethane	ug/L	20	21.8	109	70-130	
1,1-Dichloroethene	ug/L	20	22.5	112	69-131	
1,2,4-Trichlorobenzene	ug/L	20	19.6	98	70-130	
1,2-Dibromo-3-chloropropane	ug/L	20	20.9	105	70-130	
1,2-Dibromoethane (EDB)	ug/L	20	21.0	105	70-130	
1,2-Dichlorobenzene	ug/L	20	19.1	95	70-130	
1,2-Dichloroethane	ug/L	20	22.0	110	70-130	
1,2-Dichloropropane	ug/L	20	22.0	110	70-130	
1,3-Dichlorobenzene	ug/L	20	19.9	99	70-130	
1,4-Dichlorobenzene	ug/L	20	18.5	93	70-130	
2-Butanone (MEK)	ug/L	40	46.6	116	67-133	
2-Hexanone	ug/L	40	42.6	106	70-133	
4-Methyl-2-pentanone (MIBK)	ug/L	40	39.3	98	70-130	
Acetone	ug/L	40	48.7	122	67-130	
Benzene	ug/L	20	22.3	111	70-130	
Bromodichloromethane	ug/L	20	22.3	112	70-130	
Bromoform	ug/L	20	18.8	94	70-133	
Bromomethane	ug/L	20	17.3	86	41-148	
Carbon disulfide	ug/L	20	22.3	112	70-131	
Carbon tetrachloride	ug/L	20	22.0	110	70-130	
Chlorobenzene	ug/L	20	20.0	100	70-130	
Chloroethane	ug/L	20	20.4	102	41-157	
Chloroform	ug/L	20	19.9	99	70-130	
Chloromethane	ug/L	20	21.9	109	59-141	
cis-1,2-Dichloroethene	ug/L	20	22.3	112	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: Lennox International/BISC
Pace Project No.: 92725516

LABORATORY CONTROL SAMPLE: 4377933

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
cis-1,3-Dichloropropene	ug/L	20	23.6	118	70-130	
Cyclohexane	ug/L	20	23.4	117	63-137	
Dibromochloromethane	ug/L	20	20.2	101	70-130	
Dichlorodifluoromethane	ug/L	20	23.8	119	54-147	
Ethylbenzene	ug/L	20	20.3	101	70-130	
Isopropylbenzene (Cumene)	ug/L	20	20.5	102	70-130	
Methyl acetate	ug/L	20	21.6	108	70-130	
Methyl-tert-butyl ether	ug/L	20	22.1	110	70-130	
Methylcyclohexane	ug/L	20	20.4	102	70-130	
Methylene Chloride	ug/L	20	22.3	111	62-130	
Styrene	ug/L	20	21.9	110	70-130	
Tetrachloroethene	ug/L	20	19.3	97	70-130	
Toluene	ug/L	20	21.5	107	70-130	
trans-1,2-Dichloroethene	ug/L	20	22.4	112	70-130	
trans-1,3-Dichloropropene	ug/L	20	21.4	107	70-130	
Trichloroethene	ug/L	20	22.8	114	70-130	
Trichlorofluoromethane	ug/L	20	18.9	94	57-130	
Vinyl chloride	ug/L	20	21.9	109	66-140	
Xylene (Total)	ug/L	60	62.5	104	70-130	
1,2-Dichloroethane-d4 (S)	%			93	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	
Toluene-d8 (S)	%			102	70-130	

MATRIX SPIKE SAMPLE: 4377934

Parameter	Units	92725657002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	20	22.0	110	70-150	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20.6	103	66-144	
1,1,2-Trichloroethane	ug/L	ND	20	22.8	114	70-142	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	20	22.7	113	66-168	
1,1-Dichloroethane	ug/L	ND	20	22.3	111	68-150	
1,1-Dichloroethene	ug/L	ND	20	21.3	107	64-162	
1,2,4-Trichlorobenzene	ug/L	ND	20	21.7	109	69-147	
1,2-Dibromo-3-chloropropane	ug/L	ND	20	19.6	98	62-146	
1,2-Dibromoethane (EDB)	ug/L	ND	20	20.4	102	70-143	
1,2-Dichlorobenzene	ug/L	ND	20	20.4	102	70-142	
1,2-Dichloroethane	ug/L	ND	20	22.4	112	68-145	
1,2-Dichloropropane	ug/L	ND	20	21.7	109	70-144	
1,3-Dichlorobenzene	ug/L	ND	20	21.1	105	70-142	
1,4-Dichlorobenzene	ug/L	ND	20	19.3	96	70-140	
2-Butanone (MEK)	ug/L	ND	40	44.6	111	57-156	
2-Hexanone	ug/L	ND	40	43.6	109	62-153	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	40	38.2	96	65-144	
Acetone	ug/L	ND	40	43.4	108	49-162	
Benzene	ug/L	ND	20	22.1	111	68-144	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: Lennox International/BISC
Pace Project No.: 92725516

MATRIX SPIKE SAMPLE: 4377934

Parameter	Units	92725657002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Bromodichloromethane	ug/L	ND	20	23.0	115	70-141	
Bromoform	ug/L	ND	20	19.4	97	59-144	
Bromomethane	ug/L	ND	20	17.3	86	23-190	v3
Carbon disulfide	ug/L	ND	20	18.0	90	64-160	
Carbon tetrachloride	ug/L	ND	20	20.9	105	70-147	
Chlorobenzene	ug/L	ND	20	21.0	105	70-143	
Chloroethane	ug/L	ND	20	15.2	76	55-190	
Chloroform	ug/L	ND	20	23.8	119	67-148	
Chloromethane	ug/L	ND	20	14.5	73	38-180	
cis-1,2-Dichloroethene	ug/L	ND	20	22.6	113	67-151	
cis-1,3-Dichloropropene	ug/L	ND	20	22.3	112	70-142	
Cyclohexane	ug/L	ND	20	24.2	121	64-162	
Dibromochloromethane	ug/L	ND	20	21.2	106	68-140	
Dichlorodifluoromethane	ug/L	ND	20	10.0	50	15-200	v1
Ethylbenzene	ug/L	ND	20	21.2	106	70-145	
Isopropylbenzene (Cumene)	ug/L	ND	20	21.9	110	70-144	
Methyl acetate	ug/L	ND	20	20.4	102	62-144	
Methyl-tert-butyl ether	ug/L	ND	20	21.2	106	64-146	
Methylcyclohexane	ug/L	ND	20	23.2	116	70-155	
Methylene Chloride	ug/L	ND	20	21.5	107	54-149	
Styrene	ug/L	ND	20	21.0	105	70-147	
Tetrachloroethene	ug/L	ND	20	20.0	100	70-145	
Toluene	ug/L	ND	20	21.7	109	65-146	
trans-1,2-Dichloroethene	ug/L	ND	20	22.8	114	69-155	
trans-1,3-Dichloropropene	ug/L	ND	20	20.9	104	70-142	
Trichloroethene	ug/L	ND	20	21.6	108	70-152	
Trichlorofluoromethane	ug/L	ND	20	17.8	89	60-158	
Vinyl chloride	ug/L	ND	20	16.3	81	51-178	
Xylene (Total)	ug/L	ND	60	64.9	108	70-146	
1,2-Dichloroethane-d4 (S)	%				96	70-130	
4-Bromofluorobenzene (S)	%				102	70-130	
Toluene-d8 (S)	%				100	70-130	

SAMPLE DUPLICATE: 4377935

Parameter	Units	92725657001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	ND		30	
1,1,2,2-Tetrachloroethane	ug/L	ND	ND		30	
1,1,2-Trichloroethane	ug/L	ND	ND		30	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	ND		30	
1,1-Dichloroethane	ug/L	ND	ND		30	
1,1-Dichloroethene	ug/L	ND	ND		30	
1,2,4-Trichlorobenzene	ug/L	ND	ND		30	
1,2-Dibromo-3-chloropropane	ug/L	ND	ND		30	
1,2-Dibromoethane (EDB)	ug/L	ND	ND		30	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: Lennox International/BISC
Pace Project No.: 92725516

SAMPLE DUPLICATE: 4377935

Parameter	Units	92725657001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dichlorobenzene	ug/L	ND	ND		30	
1,2-Dichloroethane	ug/L	ND	ND		30	
1,2-Dichloropropane	ug/L	ND	ND		30	
1,3-Dichlorobenzene	ug/L	ND	ND		30	
1,4-Dichlorobenzene	ug/L	ND	ND		30	
2-Butanone (MEK)	ug/L	ND	ND		30	
2-Hexanone	ug/L	ND	ND		30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	ND		30	
Acetone	ug/L	ND	ND		30	
Benzene	ug/L	ND	ND		30	
Bromodichloromethane	ug/L	ND	ND		30	
Bromoform	ug/L	ND	ND		30	
Bromomethane	ug/L	ND	ND		30	v2
Carbon disulfide	ug/L	ND	ND		30	
Carbon tetrachloride	ug/L	ND	ND		30	
Chlorobenzene	ug/L	ND	ND		30	
Chloroethane	ug/L	ND	ND		30	
Chloroform	ug/L	ND	0.65J		30	
Chloromethane	ug/L	ND	ND		30	
cis-1,2-Dichloroethene	ug/L	2.3	2.0	11	30	
cis-1,3-Dichloropropene	ug/L	ND	ND		30	
Cyclohexane	ug/L	ND	ND		30	
Dibromochloromethane	ug/L	ND	ND		30	
Dichlorodifluoromethane	ug/L	ND	ND		30	v1
Ethylbenzene	ug/L	ND	ND		30	
Isopropylbenzene (Cumene)	ug/L	ND	ND		30	
Methyl acetate	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	ND	ND		30	
Methylcyclohexane	ug/L	ND	ND		30	
Methylene Chloride	ug/L	ND	ND		30	
Styrene	ug/L	ND	ND		30	
Tetrachloroethene	ug/L	106	111	5	30	
Toluene	ug/L	ND	ND		30	
trans-1,2-Dichloroethene	ug/L	ND	ND		30	
trans-1,3-Dichloropropene	ug/L	ND	ND		30	
Trichloroethene	ug/L	1.6	1.4	10	30	
Trichlorofluoromethane	ug/L	ND	ND		30	
Vinyl chloride	ug/L	ND	ND		30	
Xylene (Total)	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	110	102			
4-Bromofluorobenzene (S)	%	98	100			
Toluene-d8 (S)	%	106	100			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: Lennox International/BISC
Pace Project No.: 92725516

QC Batch: 848076
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260D MSV Low Level
Laboratory: Pace Analytical Services - Charlotte

Associated Lab Samples: 92725567009

METHOD BLANK: 4378691 Matrix: Water
Associated Lab Samples: 92725567009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	1.0	0.33	04/19/24 06:03	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	0.22	04/19/24 06:03	
1,1,2-Trichloroethane	ug/L	ND	1.0	0.32	04/19/24 06:03	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	0.32	04/19/24 06:03	
1,1-Dichloroethane	ug/L	ND	1.0	0.37	04/19/24 06:03	
1,1-Dichloroethene	ug/L	ND	1.0	0.35	04/19/24 06:03	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	0.64	04/19/24 06:03	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.0	0.34	04/19/24 06:03	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	0.27	04/19/24 06:03	
1,2-Dichlorobenzene	ug/L	ND	1.0	0.34	04/19/24 06:03	
1,2-Dichloroethane	ug/L	ND	1.0	0.32	04/19/24 06:03	
1,2-Dichloropropane	ug/L	ND	1.0	0.36	04/19/24 06:03	
1,3-Dichlorobenzene	ug/L	ND	1.0	0.34	04/19/24 06:03	
1,4-Dichlorobenzene	ug/L	ND	1.0	0.33	04/19/24 06:03	
2-Butanone (MEK)	ug/L	ND	10.0	4.0	04/19/24 06:03	
2-Hexanone	ug/L	ND	10.0	0.48	04/19/24 06:03	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	2.7	04/19/24 06:03	
Acetone	ug/L	ND	25.0	5.1	04/19/24 06:03	
Benzene	ug/L	ND	1.0	0.34	04/19/24 06:03	
Bromodichloromethane	ug/L	ND	1.0	0.31	04/19/24 06:03	
Bromoform	ug/L	ND	1.0	0.34	04/19/24 06:03	
Bromomethane	ug/L	ND	2.0	1.7	04/19/24 06:03	
Carbon disulfide	ug/L	ND	2.0	0.36	04/19/24 06:03	
Carbon tetrachloride	ug/L	ND	1.0	0.33	04/19/24 06:03	
Chlorobenzene	ug/L	ND	1.0	0.28	04/19/24 06:03	
Chloroethane	ug/L	ND	2.0	0.65	04/19/24 06:03	
Chloroform	ug/L	ND	1.0	0.43	04/19/24 06:03	
Chloromethane	ug/L	ND	1.0	0.54	04/19/24 06:03	
cis-1,2-Dichloroethene	ug/L	ND	1.0	0.38	04/19/24 06:03	
cis-1,3-Dichloropropene	ug/L	ND	1.0	0.36	04/19/24 06:03	
Cyclohexane	ug/L	ND	1.0	0.35	04/19/24 06:03	
Dibromochloromethane	ug/L	ND	1.0	0.36	04/19/24 06:03	
Dichlorodifluoromethane	ug/L	ND	2.0	0.35	04/19/24 06:03	v1
Ethylbenzene	ug/L	ND	1.0	0.30	04/19/24 06:03	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	0.33	04/19/24 06:03	
Methyl acetate	ug/L	ND	10.0	2.4	04/19/24 06:03	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	04/19/24 06:03	
Methylcyclohexane	ug/L	ND	10.0	1.5	04/19/24 06:03	
Methylene Chloride	ug/L	ND	5.0	2.0	04/19/24 06:03	
Styrene	ug/L	ND	1.0	0.29	04/19/24 06:03	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: Lennox International/BISC
Pace Project No.: 92725516

METHOD BLANK: 4378691 Matrix: Water
Associated Lab Samples: 92725567009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Tetrachloroethene	ug/L	ND	1.0	0.29	04/19/24 06:03	
Toluene	ug/L	ND	1.0	0.24	04/19/24 06:03	
trans-1,2-Dichloroethene	ug/L	ND	1.0	0.40	04/19/24 06:03	
trans-1,3-Dichloropropene	ug/L	ND	1.0	0.36	04/19/24 06:03	
Trichloroethene	ug/L	ND	1.0	0.38	04/19/24 06:03	
Trichlorofluoromethane	ug/L	ND	1.0	0.30	04/19/24 06:03	
Vinyl chloride	ug/L	ND	1.0	0.39	04/19/24 06:03	
Xylene (Total)	ug/L	ND	1.0	0.34	04/19/24 06:03	
1,2-Dichloroethane-d4 (S)	%	111	70-130		04/19/24 06:03	
4-Bromofluorobenzene (S)	%	99	70-130		04/19/24 06:03	
Toluene-d8 (S)	%	100	70-130		04/19/24 06:03	

LABORATORY CONTROL SAMPLE: 4378692

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	22.2	111	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	19.7	99	70-130	
1,1,2-Trichloroethane	ug/L	20	21.7	109	70-130	
1,1,2-Trichlorotrifluoroethane	ug/L	20	22.4	112	70-132	
1,1-Dichloroethane	ug/L	20	21.9	110	70-130	
1,1-Dichloroethene	ug/L	20	23.0	115	69-131	
1,2,4-Trichlorobenzene	ug/L	20	18.7	94	70-130	
1,2-Dibromo-3-chloropropane	ug/L	20	18.3	91	70-130	
1,2-Dibromoethane (EDB)	ug/L	20	21.0	105	70-130	
1,2-Dichlorobenzene	ug/L	20	19.7	98	70-130	
1,2-Dichloroethane	ug/L	20	21.7	108	70-130	
1,2-Dichloropropane	ug/L	20	20.6	103	70-130	
1,3-Dichlorobenzene	ug/L	20	19.9	100	70-130	
1,4-Dichlorobenzene	ug/L	20	19.6	98	70-130	
2-Butanone (MEK)	ug/L	40	42.6	106	67-133	
2-Hexanone	ug/L	40	38.4	96	70-133	
4-Methyl-2-pentanone (MIBK)	ug/L	40	38.6	96	70-130	
Acetone	ug/L	40	39.2	98	67-130	
Benzene	ug/L	20	21.1	106	70-130	
Bromodichloromethane	ug/L	20	22.5	113	70-130	
Bromoform	ug/L	20	19.5	97	70-133	
Bromomethane	ug/L	20	20.1	100	41-148	
Carbon disulfide	ug/L	20	20.9	104	70-131	
Carbon tetrachloride	ug/L	20	21.0	105	70-130	
Chlorobenzene	ug/L	20	20.0	100	70-130	
Chloroethane	ug/L	20	19.9	99	41-157	
Chloroform	ug/L	20	22.1	111	70-130	
Chloromethane	ug/L	20	21.8	109	59-141	
cis-1,2-Dichloroethene	ug/L	20	22.3	111	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: Lennox International/BISC
Pace Project No.: 92725516

LABORATORY CONTROL SAMPLE: 4378692

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
cis-1,3-Dichloropropene	ug/L	20	22.1	110	70-130	
Cyclohexane	ug/L	20	22.5	113	63-137	
Dibromochloromethane	ug/L	20	21.7	108	70-130	
Dichlorodifluoromethane	ug/L	20	21.1	106	54-147	v1
Ethylbenzene	ug/L	20	20.3	102	70-130	
Isopropylbenzene (Cumene)	ug/L	20	20.4	102	70-130	
Methyl acetate	ug/L	20	20.4	102	70-130	
Methyl-tert-butyl ether	ug/L	20	21.8	109	70-130	
Methylcyclohexane	ug/L	20	20.8	104	70-130	
Methylene Chloride	ug/L	20	22.8	114	62-130	
Styrene	ug/L	20	20.5	102	70-130	
Tetrachloroethene	ug/L	20	21.4	107	70-130	
Toluene	ug/L	20	20.1	101	70-130	
trans-1,2-Dichloroethene	ug/L	20	22.3	112	70-130	
trans-1,3-Dichloropropene	ug/L	20	21.9	110	70-130	
Trichloroethene	ug/L	20	21.7	108	70-130	
Trichlorofluoromethane	ug/L	20	21.2	106	57-130	
Vinyl chloride	ug/L	20	20.7	103	66-140	
Xylene (Total)	ug/L	60	60.3	100	70-130	
1,2-Dichloroethane-d4 (S)	%			103	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	
Toluene-d8 (S)	%			98	70-130	

MATRIX SPIKE SAMPLE: 4378693

Parameter	Units	92725877001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	20	24.0	120	70-150	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	21.5	107	66-144	
1,1,2-Trichloroethane	ug/L	ND	20	23.1	116	70-142	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	20	24.6	123	66-168	
1,1-Dichloroethane	ug/L	18.0	20	40.2	111	68-150	
1,1-Dichloroethene	ug/L	ND	20	25.5	124	64-162	
1,2,4-Trichlorobenzene	ug/L	ND	20	19.3	97	69-147	
1,2-Dibromo-3-chloropropane	ug/L	ND	20	20.0	100	62-146	
1,2-Dibromoethane (EDB)	ug/L	ND	20	22.2	111	70-143	
1,2-Dichlorobenzene	ug/L	ND	20	20.2	101	70-142	
1,2-Dichloroethane	ug/L	ND	20	23.2	116	68-145	
1,2-Dichloropropane	ug/L	ND	20	22.4	112	70-144	
1,3-Dichlorobenzene	ug/L	ND	20	20.3	102	70-142	
1,4-Dichlorobenzene	ug/L	ND	20	20.2	101	70-140	
2-Butanone (MEK)	ug/L	ND	40	48.2	120	57-156	v1
2-Hexanone	ug/L	ND	40	42.1	105	62-153	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	40	43.3	108	65-144	
Acetone	ug/L	ND	40	42.8	107	49-162	
Benzene	ug/L	ND	20	22.8	114	68-144	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: Lennox International/BISC
Pace Project No.: 92725516

MATRIX SPIKE SAMPLE: 4378693

Parameter	Units	92725877001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Bromodichloromethane	ug/L	ND	20	23.9	120	70-141	
Bromoform	ug/L	ND	20	20.2	101	59-144	
Bromomethane	ug/L	ND	20	20.7	104	23-190	
Carbon disulfide	ug/L	ND	20	22.9	115	64-160	
Carbon tetrachloride	ug/L	ND	20	23.2	116	70-147	
Chlorobenzene	ug/L	ND	20	21.9	109	70-143	
Chloroethane	ug/L	8.1	20	30.6	113	55-190	
Chloroform	ug/L	ND	20	22.8	114	67-148	
Chloromethane	ug/L	ND	20	25.9	129	38-180	
cis-1,2-Dichloroethene	ug/L	ND	20	23.5	118	67-151	
cis-1,3-Dichloropropene	ug/L	ND	20	23.2	116	70-142	
Cyclohexane	ug/L	ND	20	25.3	126	64-162	
Dibromochloromethane	ug/L	ND	20	22.7	114	68-140	
Dichlorodifluoromethane	ug/L	ND	20	28.2	141	15-200	
Ethylbenzene	ug/L	ND	20	21.1	105	70-145	
Isopropylbenzene (Cumene)	ug/L	ND	20	21.5	108	70-144	
Methyl acetate	ug/L	ND	20	19.6	98	62-144	
Methyl-tert-butyl ether	ug/L	ND	20	23.2	116	64-146	
Methylcyclohexane	ug/L	ND	20	24.2	121	70-155	
Methylene Chloride	ug/L	ND	20	22.6	113	54-149	
Styrene	ug/L	ND	20	22.2	111	70-147	
Tetrachloroethene	ug/L	ND	20	20.4	102	70-145	
Toluene	ug/L	ND	20	21.7	108	65-146	
trans-1,2-Dichloroethene	ug/L	ND	20	24.2	121	69-155	
trans-1,3-Dichloropropene	ug/L	ND	20	23.2	116	70-142	
Trichloroethene	ug/L	ND	20	22.5	113	70-152	
Trichlorofluoromethane	ug/L	ND	20	23.3	117	60-158	
Vinyl chloride	ug/L	ND	20	23.4	117	51-178	
Xylene (Total)	ug/L	ND	60	64.7	108	70-146	
1,2-Dichloroethane-d4 (S)	%				95	70-130	
4-Bromofluorobenzene (S)	%				100	70-130	
Toluene-d8 (S)	%				100	70-130	

SAMPLE DUPLICATE: 4378694

Parameter	Units	92725877002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	ND		30	
1,1,2,2-Tetrachloroethane	ug/L	ND	ND		30	
1,1,2-Trichloroethane	ug/L	ND	ND		30	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	ND		30	
1,1-Dichloroethane	ug/L	ND	ND		30	
1,1-Dichloroethene	ug/L	ND	0.53J		30	
1,2,4-Trichlorobenzene	ug/L	ND	ND		30	
1,2-Dibromo-3-chloropropane	ug/L	ND	ND		30	
1,2-Dibromoethane (EDB)	ug/L	ND	ND		30	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: Lennox International/BISC
Pace Project No.: 92725516

SAMPLE DUPLICATE: 4378694

Parameter	Units	92725877002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dichlorobenzene	ug/L	ND	ND		30	
1,2-Dichloroethane	ug/L	ND	ND		30	
1,2-Dichloropropane	ug/L	ND	ND		30	
1,3-Dichlorobenzene	ug/L	ND	ND		30	
1,4-Dichlorobenzene	ug/L	ND	ND		30	
2-Butanone (MEK)	ug/L	ND	ND		30	v1
2-Hexanone	ug/L	ND	ND		30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	ND		30	
Acetone	ug/L	ND	ND		30	
Benzene	ug/L	ND	ND		30	
Bromodichloromethane	ug/L	ND	ND		30	
Bromoform	ug/L	ND	ND		30	
Bromomethane	ug/L	ND	ND		30	
Carbon disulfide	ug/L	ND	ND		30	
Carbon tetrachloride	ug/L	ND	ND		30	
Chlorobenzene	ug/L	ND	ND		30	
Chloroethane	ug/L	ND	ND		30	
Chloroform	ug/L	ND	ND		30	
Chloromethane	ug/L	ND	ND		30	
cis-1,2-Dichloroethene	ug/L	1.0	1.0	2	30	
cis-1,3-Dichloropropene	ug/L	ND	ND		30	
Cyclohexane	ug/L	ND	ND		30	
Dibromochloromethane	ug/L	ND	ND		30	
Dichlorodifluoromethane	ug/L	ND	ND		30	
Ethylbenzene	ug/L	ND	ND		30	
Isopropylbenzene (Cumene)	ug/L	ND	ND		30	
Methyl acetate	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	ND	ND		30	
Methylcyclohexane	ug/L	ND	ND		30	
Methylene Chloride	ug/L	ND	ND		30	
Styrene	ug/L	ND	ND		30	
Tetrachloroethene	ug/L	ND	ND		30	
Toluene	ug/L	ND	ND		30	
trans-1,2-Dichloroethene	ug/L	ND	ND		30	
trans-1,3-Dichloropropene	ug/L	ND	ND		30	
Trichloroethene	ug/L	ND	0.69J		30	
Trichlorofluoromethane	ug/L	ND	ND		30	
Vinyl chloride	ug/L	ND	ND		30	
Xylene (Total)	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	110	106			
4-Bromofluorobenzene (S)	%	100	99			
Toluene-d8 (S)	%	99	98			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: Lennox International/BISC
Pace Project No.: 92725516

QC Batch: 848091
QC Batch Method: EPA 8260D Mod.
Analysis Method: EPA 8260D Mod.
Analysis Description: 8260D MSV SIM
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92725567001, 92725567002, 92725567007, 92725567008, 92725567009, 92725567010, 92725567011

METHOD BLANK: 4378755 Matrix: Water
Associated Lab Samples: 92725567001, 92725567002, 92725567007, 92725567008, 92725567009, 92725567010, 92725567011

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	ND	2.0	0.86	04/18/24 20:10	
1,2-Dichloroethane-d4 (S)	%	95	67-130		04/18/24 20:10	
Toluene-d8 (S)	%	93	70-130		04/18/24 20:10	

LABORATORY CONTROL SAMPLE: 4378756

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	20	17.3	86	70-130	
1,2-Dichloroethane-d4 (S)	%			94	67-130	
Toluene-d8 (S)	%			91	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4378757 4378758

Parameter	Units	92725243014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,4-Dioxane (p-Dioxane)	ug/L	ND	20	20	17.4	17.9	87	89	55-137	3	30	
1,2-Dichloroethane-d4 (S)	%						91	93	67-130		30	
Toluene-d8 (S)	%						89	90	70-130		30	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: Lennox International/BISC
Pace Project No.: 92725516

QC Batch: 848244
QC Batch Method: EPA 8260D Mod.
Analysis Method: EPA 8260D Mod.
Analysis Description: 8260D MSV SIM
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92725567003, 92725567004, 92725567005, 92725567006

METHOD BLANK: 4379300 Matrix: Water
Associated Lab Samples: 92725567003, 92725567004, 92725567005, 92725567006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	ND	2.0	0.86	04/19/24 09:00	
1,2-Dichloroethane-d4 (S)	%	90	67-130		04/19/24 09:00	
Toluene-d8 (S)	%	93	70-130		04/19/24 09:00	

LABORATORY CONTROL SAMPLE: 4379301

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	20	17.6	88	70-130	
1,2-Dichloroethane-d4 (S)	%			90	67-130	
Toluene-d8 (S)	%			92	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4379302 4379303

Parameter	Units	92725567003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,4-Dioxane (p-Dioxane)	ug/L	1.4J	20	20	19.6	19.1	91	88	55-137	3	30	
1,2-Dichloroethane-d4 (S)	%						96	97	67-130		30	
Toluene-d8 (S)	%						93	93	70-130		30	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: Lennox International/BISC
Pace Project No.: 92725516

QC Batch: 847678
QC Batch Method: SM 2320B-2011
Analysis Method: SM 2320B-2011
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92725516001, 92725516002, 92725516003, 92725516004, 92725516005, 92725516006, 92725516007

METHOD BLANK: 4376540 Matrix: Water
Associated Lab Samples: 92725516001, 92725516002, 92725516003, 92725516004, 92725516005, 92725516006, 92725516007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	04/17/24 16:48	

LABORATORY CONTROL SAMPLE: 4376541

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.9	104	80-120	

LABORATORY CONTROL SAMPLE: 4376542

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	50.4	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4376543 4376544

Parameter	Units	92724974001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	216	50	50	254	249	74	64	80-120	2	25	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4376545 4376546

Parameter	Units	92724974003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	534	50	50	571	560	73	51	80-120	2	25	M1

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: Lennox International/BISC
Pace Project No.: 92725516

QC Batch: 847681
QC Batch Method: SM 2320B-2011
Analysis Method: SM 2320B-2011
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92725516008, 92725516009, 92725516010, 92725516011, 92725516012

METHOD BLANK: 4376563 Matrix: Water
Associated Lab Samples: 92725516008, 92725516009, 92725516010, 92725516011, 92725516012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	04/17/24 20:40	

LABORATORY CONTROL SAMPLE: 4376564

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	52.0	104	80-120	

LABORATORY CONTROL SAMPLE: 4376565

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.3	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4376566 4376567

Parameter	Units	92725516008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	ND	50	50	50.3	50.9	101	102	80-120	1	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4376568 4376569

Parameter	Units	92725516010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	ND	50	50	56.5	56.0	105	104	80-120	1	25	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: Lennox International/BISC
Pace Project No.: 92725516

QC Batch: 847808
QC Batch Method: SM 4500-S2D-2011
Analysis Method: SM 4500-S2D-2011
Analysis Description: 4500S2D Sulfide Water
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92725516001, 92725516002, 92725516003, 92725516004, 92725516005, 92725516006, 92725516007, 92725516008, 92725516009, 92725516010, 92725516011

METHOD BLANK: 4377148 Matrix: Water
Associated Lab Samples: 92725516001, 92725516002, 92725516003, 92725516004, 92725516005, 92725516006, 92725516007, 92725516008, 92725516009, 92725516010, 92725516011

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/L	ND	0.10	0.022	04/18/24 04:23	

LABORATORY CONTROL SAMPLE: 4377149

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	0.5	0.53	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4377150 4377151

Parameter	Units	92724761002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	0.5	0.5	0.55	0.57	109	111	80-120	2	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4377152 4377153

Parameter	Units	92725621005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	0.5	0.5	0.23	0.30	47	60	80-120	25	10	M1,R1

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: Lennox International/BISC
Pace Project No.: 92725516

QC Batch: 847401
QC Batch Method: EPA 353.2 Rev 2.0 1993
Analysis Method: EPA 353.2 Rev 2.0 1993
Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92725516001, 92725516002, 92725516003, 92725516004, 92725516006, 92725516012

METHOD BLANK: 4375201 Matrix: Water
Associated Lab Samples: 92725516001, 92725516002, 92725516003, 92725516004, 92725516006, 92725516012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.020	0.0039	04/17/24 02:41	

LABORATORY CONTROL SAMPLE: 4375202

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1.5	1.4	96	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4375203 4375204

Parameter	Units	92725516006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Nitrate	mg/L	4.8	1.5	1.5	5.9	5.9	76	72	90-110	1	10	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: Lennox International/BISC
Pace Project No.: 92725516

QC Batch: 847773
QC Batch Method: EPA 353.2 Rev 2.0 1993
Analysis Method: EPA 353.2 Rev 2.0 1993
Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92725516005, 92725516007, 92725516008, 92725516009, 92725516010, 92725516011

METHOD BLANK: 4377034 Matrix: Water
Associated Lab Samples: 92725516005, 92725516007, 92725516008, 92725516009, 92725516010, 92725516011

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.020	0.0039	04/18/24 00:54	

LABORATORY CONTROL SAMPLE: 4377035

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1.5	1.6	107	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4377036 4377037

Parameter	Units	92725786001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Nitrate	mg/L	ND	1.5	1.5	1.0	1.0	69	68	90-110	1	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4377038 4377039

Parameter	Units	92725786007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Nitrate	mg/L	0.38	1.5	1.5	2.2	2.2	119	118	90-110	1	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: Lennox International/BISC
Pace Project No.: 92725516

QC Batch: 847458
QC Batch Method: EPA 9056A
Analysis Method: EPA 9056A
Analysis Description: 9056 IC anions 28 Days
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92725516001, 92725516002, 92725516003, 92725516004, 92725516005, 92725516006, 92725516007, 92725516008, 92725516009, 92725516010, 92725516011, 92725516012

METHOD BLANK: 4375321 Matrix: Water
Associated Lab Samples: 92725516001, 92725516002, 92725516003, 92725516004, 92725516005, 92725516006, 92725516007, 92725516008, 92725516009, 92725516010, 92725516011, 92725516012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	04/17/24 20:24	
Sulfate	mg/L	ND	1.0	0.50	04/17/24 20:24	

LABORATORY CONTROL SAMPLE: 4375322

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	52.2	104	90-110	
Sulfate	mg/L	50	51.8	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4375323 4375324

Parameter	Units	92725516001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	17.6	50	50	69.4	69.5	104	104	90-110	0	10	
Sulfate	mg/L	7.7	50	50	58.1	58.2	101	101	90-110	0	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4375325 4375326

Parameter	Units	92725516011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	3.0	50	50	55.4	57.3	105	109	90-110	3	10	TP
Sulfate	mg/L	9.8	50	50	62.4	64.3	105	109	90-110	3	10	TP

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: Lennox International/BISC
Pace Project No.: 92725516

QC Batch: 848752
QC Batch Method: EPA 9060A
Analysis Method: EPA 9060A
Analysis Description: 9060 TOC, AVL
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92725516001, 92725516002, 92725516003, 92725516004, 92725516005, 92725516006, 92725516007, 92725516008, 92725516009

METHOD BLANK: 4381412 Matrix: Water
Associated Lab Samples: 92725516001, 92725516002, 92725516003, 92725516004, 92725516005, 92725516006, 92725516007, 92725516008, 92725516009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mean Total Organic Carbon	mg/L	ND	1.0	0.50	04/22/24 13:08	

LABORATORY CONTROL SAMPLE: 4381413

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mean Total Organic Carbon	mg/L	25	24.4	98	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4381414 4381415

Parameter	Units	92725816010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mean Total Organic Carbon	mg/L	4.2	25	25	28.2	28.6	96	98	75-125	2	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4381416 4381417

Parameter	Units	92725816011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mean Total Organic Carbon	mg/L	12.1	25	25	37.1	37.4	100	101	75-125	1	25	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: Lennox International/BISC
Pace Project No.: 92725516

QC Batch: 848753
QC Batch Method: EPA 9060A
Analysis Method: EPA 9060A
Analysis Description: 9060 TOC, AVL
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92725516010, 92725516011

METHOD BLANK: 4381419 Matrix: Water
Associated Lab Samples: 92725516010, 92725516011

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mean Total Organic Carbon	mg/L	ND	1.0	0.50	04/23/24 04:15	

LABORATORY CONTROL SAMPLE: 4381420

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mean Total Organic Carbon	mg/L	25	25.9	103	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4381421 4381422

Parameter	Units	92725435001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mean Total Organic Carbon	mg/L	ND	25	25	26.1	26.2	105	105	75-125	0	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4381423 4381424

Parameter	Units	92725435002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mean Total Organic Carbon	mg/L	ND	25	25	26.2	26.1	102	102	75-125	0	25	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALIFIERS

Project: Lennox International/BISC
Pace Project No.: 92725516

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

C8	Result may be biased high due to carryover from previously analyzed sample.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R1	RPD value was outside control limits.
TP	The samples were received outside of required temperature range. Analysis was completed upon client approval.
v1	The continuing calibration verification was above the method acceptance limit. Any detection for the analyte in the associated samples may have a high bias.
v2	The continuing calibration verification was below the method acceptance limit. The analyte was not detected in the associated samples and the sensitivity of the instrument was verified with a reporting limit check standard.
v3	The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have low bias.

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Lennox International/BISC
Pace Project No.: 92725516

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92725567001	**MW-1**	EPA 8260D	847958		
92725567002	**MW-1D**	EPA 8260D	847958		
92725567003	**MW-4**	EPA 8260D	847702		
92725567004	**MW-4D**	EPA 8260D	847702		
92725567005	**MW-10**	EPA 8260D	847702		
92725567006	**MW-16**	EPA 8260D	847702		
92725567007	**MW-18**	EPA 8260D	847702		
92725567008	**DUP-01-GW-04162024**	EPA 8260D	847702		
92725567009	**MW-7**	EPA 8260D	848076		
92725567010	**MW-6R**	EPA 8260D	847702		
92725567011	**MW-15**	EPA 8260D	847702		
92725567012	**Trip Blank**	EPA 8260D	847702		
92725567001	**MW-1**	EPA 8260D Mod.	848091		
92725567002	**MW-1D**	EPA 8260D Mod.	848091		
92725567003	**MW-4**	EPA 8260D Mod.	848244		
92725567004	**MW-4D**	EPA 8260D Mod.	848244		
92725567005	**MW-10**	EPA 8260D Mod.	848244		
92725567006	**MW-16**	EPA 8260D Mod.	848244		
92725567007	**MW-18**	EPA 8260D Mod.	848091		
92725567008	**DUP-01-GW-04162024**	EPA 8260D Mod.	848091		
92725567009	**MW-7**	EPA 8260D Mod.	848091		
92725567010	**MW-6R**	EPA 8260D Mod.	848091		
92725567011	**MW-15**	EPA 8260D Mod.	848091		
92725516001	**MW-1**	SM 2320B-2011	847678		
92725516002	**MW-1D**	SM 2320B-2011	847678		
92725516003	**MW-4**	SM 2320B-2011	847678		
92725516004	**MW-4D**	SM 2320B-2011	847678		
92725516005	**MW-10**	SM 2320B-2011	847678		
92725516006	**MW-16**	SM 2320B-2011	847678		
92725516007	**MW-18**	SM 2320B-2011	847678		
92725516008	**DUP-01-GW-04162024**	SM 2320B-2011	847681		
92725516009	**MW-7**	SM 2320B-2011	847681		
92725516010	**MW-6R**	SM 2320B-2011	847681		
92725516011	**MW-15**	SM 2320B-2011	847681		
92725516012	**MW-8**	SM 2320B-2011	847681		
92725516001	**MW-1**	SM 4500-S2D-2011	847808		
92725516002	**MW-1D**	SM 4500-S2D-2011	847808		
92725516003	**MW-4**	SM 4500-S2D-2011	847808		
92725516004	**MW-4D**	SM 4500-S2D-2011	847808		
92725516005	**MW-10**	SM 4500-S2D-2011	847808		
92725516006	**MW-16**	SM 4500-S2D-2011	847808		
92725516007	**MW-18**	SM 4500-S2D-2011	847808		
92725516008	**DUP-01-GW-04162024**	SM 4500-S2D-2011	847808		
92725516009	**MW-7**	SM 4500-S2D-2011	847808		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Lennox International/BISC
Pace Project No.: 92725516

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92725516010	**MW-6R**	SM 4500-S2D-2011	847808		
92725516011	**MW-15**	SM 4500-S2D-2011	847808		
92725516001	**MW-1**	EPA 353.2 Rev 2.0 1993	847401		
92725516002	**MW-1D**	EPA 353.2 Rev 2.0 1993	847401		
92725516003	**MW-4**	EPA 353.2 Rev 2.0 1993	847401		
92725516004	**MW-4D**	EPA 353.2 Rev 2.0 1993	847401		
92725516005	**MW-10**	EPA 353.2 Rev 2.0 1993	847773		
92725516006	**MW-16**	EPA 353.2 Rev 2.0 1993	847401		
92725516007	**MW-18**	EPA 353.2 Rev 2.0 1993	847773		
92725516008	**DUP-01-GW-04162024**	EPA 353.2 Rev 2.0 1993	847773		
92725516009	**MW-7**	EPA 353.2 Rev 2.0 1993	847773		
92725516010	**MW-6R**	EPA 353.2 Rev 2.0 1993	847773		
92725516011	**MW-15**	EPA 353.2 Rev 2.0 1993	847773		
92725516012	**MW-8**	EPA 353.2 Rev 2.0 1993	847401		
92725516001	**MW-1**	EPA 9056A	847458		
92725516002	**MW-1D**	EPA 9056A	847458		
92725516003	**MW-4**	EPA 9056A	847458		
92725516004	**MW-4D**	EPA 9056A	847458		
92725516005	**MW-10**	EPA 9056A	847458		
92725516006	**MW-16**	EPA 9056A	847458		
92725516007	**MW-18**	EPA 9056A	847458		
92725516008	**DUP-01-GW-04162024**	EPA 9056A	847458		
92725516009	**MW-7**	EPA 9056A	847458		
92725516010	**MW-6R**	EPA 9056A	847458		
92725516011	**MW-15**	EPA 9056A	847458		
92725516012	**MW-8**	EPA 9056A	847458		
92725516001	**MW-1**	EPA 9060A	848752		
92725516002	**MW-1D**	EPA 9060A	848752		
92725516003	**MW-4**	EPA 9060A	848752		
92725516004	**MW-4D**	EPA 9060A	848752		
92725516005	**MW-10**	EPA 9060A	848752		
92725516006	**MW-16**	EPA 9060A	848752		
92725516007	**MW-18**	EPA 9060A	848752		
92725516008	**DUP-01-GW-04162024**	EPA 9060A	848752		
92725516009	**MW-7**	EPA 9060A	848752		
92725516010	**MW-6R**	EPA 9060A	848753		
92725516011	**MW-15**	EPA 9060A	848753		

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Number 154697

Client: WSP	Report to Contact: Mary Ann Brookshire	Telephone No. / E-mail: (404) 317-7748 / maryann.brookshire@wsp.com	Quote No.
Address	Sampler's Signature: X	Analysis (Attach list if more space is needed)	Page 1 of 2
City / State / Zip Code	Printed Name: Steve Tyler / Nick Williams		Lot # Bar Code
Project Name: Lennox BISC			

WO# : 92725516

92725516

Project No.	P.O. No.			Matrix			No of Containers by Preservative Type											
Sample ID / Description (Containers for each sample may be combined on one line.)	Collection Date(s)	Collection Time (Military)	G=Grab C=Composite	Aqueous	Solid	Non-Aqueous	Unpres.	H2SO4	HNO3	HCl	NaOH	5035 Kit	Field Filtered	SO4/NO3/Cl/Alk	TOC	Sulfide		Remarks / Cooler I.D.
MW-1	4/16/24	1415	G	X			1	1			3			X	X	X		
MW-10		1330		X			1	1			3			X	X	X		
MW-4		1200		X			1	1			3			X	X	X		
MW-4D		1115		X			1	1			3			X	X	X		
MW-10		1500		X			1	1			3			X	X	X		
MW-16		0835		X			1	1			3			X	X	X		
MW-18		1000		X			1	1			3			X	X	X		
DUP-01-GW-04162024		1020		X			1	1			3			X	X	X		
MW-7		1245		X			1	1			3			X	X	X		
MW-6R		1100		X			1	1			3			X	X	X		

Turn Around Time Required (Prior lab approval required for expedited TAT.)
☒ Standard ☐ Rush (Specify)

Sample Disposal
☐ Return to Client ☒ Disposal by Lab

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished by	4/16/24	1645	1. Received by		
2. Relinquished by			2. Received by		
3. Relinquished by			3. Received by		
4. Relinquished by			4. Laboratory received by	4/16/24	1645

Note: All samples are retained for four weeks from receipt unless other arrangements are made.

LAB USE ONLY
Received on Ice (Circle) Yes No Ice Pack
Receipt Temp. 0.3 °C
0.6 °C
1.5 °C
Temp Blank ☐ Y ☐ N

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

FOR ASHEVILLE

Document Number: ME003N2-01

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Telephone No. 803-791-9700 Fax No. 803-791-9111
www.pacelabs.com

Number 154698

Client: WSP	Report to Contact: Mary Ann Brookshire	Telephone No. / E-mail: (404) 317-7746 / maryann.brookshire@wsp.com	Quote No.
Address	Sampler's Signature: x	Analysis (Attach list if more space is needed)	Page 2 of 2
City / State / Zip Code	Printed Name: Steve Tyler / Nick Williams		Lot # Bar Code (lab use only)
Project Name: Lennox B/SC			
Project No.	P.O. No.		

WO# : 92725516
PM: MP Due Date: 04/26/24
CLIENT: GA-WoodAtl

Sample ID / Description (Containers for each sample may be combined on one line.)	Collection Date(s)	Collection Time (Military)	G=Grab C=Composite	Matrix: Aqueous	Solid	Non-Aqueous	No of Containers by Preservative Type: Unpres.	H2SO4	HNO3	HCl	NaOH	5035 Kit	Field Filtered	504/NO3/Cl/Alk	TOC	Sulfide
MW-15	4/16/24	1000	G	X			1	1			3			X	X	X
MW-8	↓	1400	↓	X			1							X		

Turn Around Time Required (Prior lab approval required for expedited TAT.) ☒ Standard ☐ Rush (Specify)

Sample Disposal ☐ Return to Client ☒ Disposal by Lab

Possible Hazard Identification ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished by	4/16/24	1645	1. Received by		
2. Relinquished by			2. Received by		
3. Relinquished by			3. Received by		
4. Relinquished by			4. Laboratory received by	4/16/24	1645

Note: All samples are retained for four weeks from receipt unless other arrangements are made.

LAB USE ONLY
Received on ice (Circle) (Yes) No Ice Pack
Receipt Temp. 0.3 °C
Temp Blank ☒ Y ☐ N

FOR ASHEVILLE
0.6°C
1.5°C

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

Document Number: ME003N2-01

DC#_Title: ENV-FRM-WCOL-0286 v02_Samples Receipt Checklist (SRC)

Effective Date: 8/2/2022

Sample Receipt Checklist (SRC)

Client: WSP Cooler Inspected by/date: CDK / 4/16/24 Lot #: _____

Means of receipt: ☐ Pace ☒ Client ☐ UPS ☐ FedEx ☐ Other: _____

☐ Yes	☒ No		1. Were custody seals present on the cooler?
☐ Yes	☐ No	☒ NA	2. If custody seals were present, were they intact and unbroken?

pH Strip ID: 24-0025 Chlorine Strip ID: NA Tested by: CDK

Original temperature upon receipt / Derived (Corrected) temperature upon receipt %Solid Snap-Cup ID: NA

0.3 / 0.3 °C 0.6 / 0.6 °C 1.5 / 1.5 °C NA / NA °C

Method: ☒ Temperature Blank ☐ Against Bottles IR Gun ID: 8 IR Gun Correction Factor: 0 °C

Method of coolant: ☒ Wet Ice ☐ Ice Packs ☐ Dry Ice ☐ None

☒ Yes	☐ No	☐ NA	3. Were all coolers received at or below 6.0°C? If no, was Project Manager notified? PM was Notified by: phone / email / face-to-face (circle one).
☐ Yes	☐ No	☒ NA	4. Is the commercial courier's packing slip attached to this form?
☒ Yes	☐ No		5. Were proper custody procedures (relinquished/received) followed?
☒ Yes	☐ No		6. Were sample IDs listed on the COC and all sample containers?
☒ Yes	☐ No		7. Was collection date & time listed on the COC and all sample containers?
☒ Yes	☐ No		8. Did all container label information (ID, date, time) agree with the COC?
☒ Yes	☐ No		9. Were tests to be performed listed on the COC?
☒ Yes	☐ No		10. Did all samples arrive in the proper containers for each test and/or in good condition (unbroken, lids on, etc.)? _____
☒ Yes	☐ No		11. Was adequate sample volume available?
☒ Yes	☐ No		12. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
☒ Yes	☐ No		13. Were all samples containers accounted for? (No missing/excess)
☐ Yes	☐ No	☒ NA	14. Were VOA, 8015C and RSK-175 samples free of bubbles >"pea-size" (¼"or 6mm in diameter) in any of the VOA vials?
☒ Yes	☐ No	~~☒ NA~~	15. Were all DRO/metals/nutrient samples received at a pH of < 2?
☐ Yes	☐ No	☒ NA	16. Were all cyanide samples received at a pH > 12 and sulfide samples received at a pH > 9?
☐ Yes	☐ No	☒ NA	17. Were all applicable NH_3/TKN/cyanide/phenol/625.1/608.3 (< 0.5mg/L) samples free of residual chlorine?
☐ Yes	☐ No	☒ NA	18. Was the quote number listed on the container label? If yes, Quote # NA.

CDK 4/16/24

Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)

Sample(s) NA were received incorrectly preserved and were adjusted accordingly in sample receiving with NA mL of circle one: H2SO4, HNO3, HCl, NaOH using SR # NA. ☐ Time of preservation NA. If more than one preservative is needed, please note in the comments below.

Sample(s) NA were received with bubbles >6 mm in diameter.

Samples(s) NA were received with TRC > 0.5 mg/L (If #19 is ***no***) and were adjusted accordingly in sample receiving with sodium thiosulfate ($Na_2S_2O_3$) with Unique ID: NA.

Comments:

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PACE ANALYTICAL SERVICES, LLC

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Number 154699

Client: WSP	Report to Contact: Mary Ann Brookshire	Telephone No. / E-mail: (404) 317-7795 / maryann.brookshire@wsp.com	Quote No.
Address	Sampler's Signature: X	Analysis (Attach list if more space is needed)	Page 1 of 2
City / State / Zip Code	Printed Name: Steve Tyler / Nick Williams		Lot # Bar Code (lab use only): a2725567
Project Name: Lennox BISC			
Project No.	P.O. No.		

Sample ID / Description (Containers for each sample may be combined on one line.)	Collection Date(s)	Collection Time (Military)	G=Grab C=Composite	Matrix: Aqueous	Solid	Non-Aqueous	No of Containers by Preservative Type: Unpres.	H2SO4	HNO3	HCl	NaOH	5035 Kit	Field Filtered	VOA 624.1	1,4-dioxane SIM 8260D	Remarks / Cooler I.D.
MW-1	4/16/24	1415	G	X			2			3				X	X	001
MW-1D		1330		X			2			3				X	X	002
MW-4		1200		X			2			3				X	X	003
MW-4D		1115		X			2			3				X	X	004
MW-10		1500		X			2			3				X	X	005
MW-16		0835		X			2			3				X	X	006
MW-18		1000		X			2			3				X	X	007
DUP-01-GW-04162024		1020		X			2			3				X	X	008
MW-7		1245		X			2			3				X	X	009
MW-6R		1100		X			2			3				X	X	010

Turn Around Time Required (Prior lab approval required for expedited TAT.) ☒ Standard ☐ Rush (Specify)

Sample Disposal ☐ Return to Client ☒ Disposal by Lab

Possible Hazard Identification ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

QC Requirements (Specify)

		Date	Time		Date	Time
1. Relinquished by		4/16/24	1645	1. Received by		
2. Relinquished by		4/16/24	0800	2. Received by		
3. Relinquished by				3. Received by		
4. Relinquished by				4. Laboratory received by	4/16/24	1645

Note: All samples are retained for four weeks from receipt unless other arrangements are made.

LAB USE ONLY — Received on ice (Circle) Yes No Ice Pack — Receipt Temp. 4.6 °C — Temp Blank ☐ Y ☐ N

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

FOR HUNTERSVILLE GMU Pace Hvl 4/17/24 0800

Document Number: ME003N2-01

Pace Analytical®

PACE ANALYTICAL SERVICES, LLC

106 Vantage Point Drive • West Columbia, SC 29172
Telephone No. 803-791-9700 Fax No. 803-791-9111
www.pacelabs.com

Number 154700

Client: WSP	Report to Contact: Mary Ann Brookshire	Telephone No. / E-mail: (404) 317-7748 / maryann.brookshire@wsp.com	Quote No.
Address	Sampler's Signature: X	Analysis (Attach list if more space is needed)	Page 2 of 2
City / State / Zip Code	Printed Name: Steve Tyler / Nick Williams		Lot # Bar Code (lab use only)
Project Name: Lennox B/SC			
Project No.	P.O. No.		

Sample ID / Description (Containers for each sample may be combined on one line.)	Collection Date(s)	Collection Time (Military)	G=Grab C=Composite	Matrix: Aqueous	Solid	Non-Aqueous	Unpres.	No of Containers by Preservative Type: H2SO4	HNO3	HCl	NaOH	5035 Kit	Field Filtered	VOA 8260D	1,4-dioxane SIM 8260D	Remarks / Cooler I.D.
MW-15	4/16/24	1000	G	X			2			3				X	X	011
TRIP BLANK	—	—	G	X						2				X		012

Turn Around Time Required (Prior lab approval required for expedited TAT.)	Sample Disposal	Possible Hazard Identification	QC Requirements (Specify)
☒ Standard ☐ Rush (Specify)	☐ Return to Client ☒ Disposal by Lab	☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown	

	Date	Time		Date	Time
1. Relinquished by	4/16/24	1645	1. Received by		
2. Relinquished by	4/16/24	1700	2. Received by		
3. Relinquished by			3. Received by		
4. Relinquished by			4. Laboratory received by	4/16/24	1645

Note: All samples are retained for four weeks from receipt unless other arrangements are made.

LAB USE ONLY
Received on ice (Circle) Yes No Ice Pack
Receipt Temp. 4.6 °C
Temp Blank ☐ Y ☐ N

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

FOR HUNTERSVILLE GMK Pace Hv 4/17/24 0800

Document Number: ME003N2-01

Laboratory receiving samples:

Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☑ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Sample Condition Upon Receipt

Client Name: WSP

Project #: WO# : 92725567

92725567

Courier: ☐ Commercial ☐ Fed Ex ☑ Pace ☐ UPS ☐ USPS ☐ Other:____ ☐ Client

Custody Seal Present? ☐ Yes ☑ No **Seals Intact?** ☐ Yes ☐ No ☑ N/A

Date/Initials Person Examining Contents: CMH 4/3/24

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer:

☑ IR Gun ID: 92705B

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 4.6 **Correction Factor:** Add/Subtract (°C) 0

Temp should be above freezing to 6°C

☐ Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 4.6

USDA Regulated Soil (☑ N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☐ No	☑ N/A	8.
Sample Labels Match COC? -Includes Date/Time/ID/Analysis Matrix: WT	☑ Yes	☐ No	☐ N/A	9.
Headspace in VOA Vials (>5-6mm)?	☑ Yes	☑ No	☐ N/A	10.
Trip Blank Present?	☑ Yes	☐ No	☐ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☑ No	☐ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ **Date:** _____

Project Manager SRF Review: _____ **Date:** _____

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Project #

WO#: 92725567

PM: MP Due Date: 04/26/24
CLIENT: GA-WoodAtl

(1)

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG9A-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3B-250 mL Plastic (NH4)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
1																3		2											
2																3		2											
3																3		2											
4																3H		2											
5																3		2											
6																3		2											
7																3		2											
8																3		2											
9																3		2											
10																3		2											
11																													
12																													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Project #

(2)

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
1																3		2											
2																2													
3																2													
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pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

Pace Analytical

Sample Receiving Non-Conformance Form (NCF)

Date: 4/17/24	Evaluated by: OMH
Client: WSP	

Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

1. If Chain-of-Custody (COC) is not received: contact client and if necessary, fill out a COC and indicate that it was filled out by lab personnel. Note issues on this NCF.

2. If COC is incomplete, check applicable issues below and add details where appropriate:

	Collection date/time missing or incorrect		Analyses or analytes: missing or clarification needed	✓	Samples listed on COC do not match samples received (missing, additional, etc.)
	Sample IDs on COC do not match sample labels		Required trip blanks were not received		Required signatures are missing

Comments/Details/Other Issues not listed above:

received 2 extra unexpected trip blanks

3. Sample integrity issues: check applicable issues below and add details where appropriate:

	Samples: Past holding time		Samples: Condition needs to be brought to lab personnel's attention (details below)		Preservation: Improper
	Samples: Not field filtered		Containers: Broken or compromised		Temperature: not within acceptance criteria (typically 0-6C)
	Samples: Insufficient volume received		Containers: Incorrect		Temperature: Samples arrived frozen
	Samples: Cooler damaged or compromised		Custody Seals: Missing or compromised on samples, trip blanks or coolers		Vials received with improper headspace
	Samples: contain chlorine or sulfides		Packing Material: Insufficient/Improper		Other:

Comments/Details:

4. If Samples not preserved properly and Sample Receiving adjusts pH, add details below:

Sample ID:	Date/Time:	Amount/type pres added:
Preserved by:	Initial and Final pH:	Lot # of pres added:
Sample ID:	Date/Time:	Amount/type pres added:
Preserved by:	Initial and Final pH:	Lot # of pres added:
Sample ID:	Date/Time:	Amount/type pres added:
Preserved by:	Initial and Final pH:	Lot # of pres added:

5. Client Contact: If client is contacted for any issue listed above, fill in details below:

Client:	Contacted per:	
PM Initials:	Date/Time:	

Client Comments/Instructions:

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

May 02, 2024

Mary Ann Brookshire
WSP USA Inc.
1880 West Oak Pkwy
Suite 100, Building 106
Marietta, GA 30062

RE: Project: Lennox International/BISC
Pace Project No.: 92725763

Dear Mary Brookshire:

Enclosed are the analytical results for sample(s) received by the laboratory between April 17, 2024 and April 18, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Asheville
- Pace Analytical Services - Charlotte

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Maiya Parks
maiya.parks@pacelabs.com
770-734-4205
Project Manager

Enclosures

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

CERTIFICATIONS

Project: Lennox International/BISC
Pace Project No.: 92725763

Pace Analytical Services Charlotte

South Carolina Laboratory ID: 99006
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Laboratory ID: 99006
South Carolina Certification #: 99006001
South Carolina Drinking Water Cert. #: 99006003
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Louisiana DoH Drinking Water #: LA029
Virginia/VELAP Certification #: 460221

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Laboratory ID: 99030
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

SAMPLE SUMMARY

Project: Lennox International/BISC
Pace Project No.: 92725763

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92725763001	**MW-17**	Water	04/17/24 11:30	04/17/24 15:45
92725763002	**MW-14**	Water	04/17/24 10:00	04/17/24 15:45
92725763003	**MW-11**	Water	04/17/24 12:20	04/17/24 15:45
92725763004	**MW-5**	Water	04/17/24 13:00	04/17/24 15:45
92725763005	**MW-3D**	Water	04/17/24 12:20	04/17/24 15:45
92725763006	**MW-3**	Water	04/17/24 11:30	04/17/24 15:45
92725763007	**MW-2**	Water	04/17/24 10:35	04/17/24 15:45
92725763008	**MW-2D**	Water	04/17/24 09:45	04/17/24 15:45
92725763009	**MW-8**	Water	04/17/24 07:50	04/17/24 15:45
92725763010	**EB-01-04172024**	Water	04/17/24 13:25	04/17/24 15:45
92725763011	**MW-17**	Water	04/17/24 11:30	04/18/24 09:20
92725763012	**MW-14**	Water	04/17/24 10:00	04/18/24 09:20
92725763013	**MW-11**	Water	04/17/24 12:20	04/18/24 09:20
92725763014	**MW-5**	Water	04/17/24 13:00	04/18/24 09:20
92725763015	**MW-3D**	Water	04/17/24 12:20	04/18/24 09:20
92725763016	**MW-3**	Water	04/17/24 11:30	04/18/24 09:20
92725763017	**MW-2**	Water	04/17/24 10:35	04/18/24 09:20
92725763018	**MW-2D**	Water	04/17/24 09:45	04/18/24 09:20
92725763019	**MW-8**	Water	04/17/24 07:50	04/18/24 09:20
92725763020	**EB-01-04172024**	Water	04/17/24 13:25	04/18/24 09:20
92725763021	**Trip Blank**	Water	04/17/24 00:00	04/18/24 09:20
92725763022	**MW-7**	Water	04/17/24 08:20	04/18/24 09:20
92725763023	**MW-6R**	Water	04/17/24 08:35	04/18/24 09:20
92725763024	**MW-15**	Water	04/17/24 08:50	04/18/24 09:20
92725763025	**MW-1**	Water	04/17/24 08:45	04/18/24 09:20
92725763026	**MW-1D**	Water	04/17/24 08:55	04/18/24 09:20
92725763027	**MW-4**	Water	04/17/24 08:30	04/18/24 09:20
92725763028	**MW-4D**	Water	04/17/24 08:20	04/18/24 09:20
92725763029	**MW-10**	Water	04/17/24 09:13	04/18/24 09:20
92725763030	**MW-16**	Water	04/17/24 07:50	04/18/24 09:20
92725763031	**MW-18**	Water	04/17/24 08:05	04/18/24 09:20
92725763032	**DUP-01-GW-04162024**	Water	04/17/24 13:30	04/18/24 09:20

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

SAMPLE ANALYTE COUNT

Project: Lennox International/BISC
Pace Project No.: 92725763

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92725763001	**MW-17**	SM 2320B-2011	SMS	1
		SM 4500-S2D-2011	JP1	1
		EPA 353.2 Rev 2.0 1993	KDF1	1
		EPA 9056A	CDC	2
		EPA 9060A	MJP	1
92725763002	**MW-14**	SM 2320B-2011	YEG	1
		SM 4500-S2D-2011	JP1	1
		EPA 353.2 Rev 2.0 1993	KDF1	1
		EPA 9056A	CDC	2
		EPA 9060A	MJP	1
92725763003	**MW-11**	SM 2320B-2011	YEG	1
		SM 4500-S2D-2011	JP1	1
		EPA 353.2 Rev 2.0 1993	KDF1	1
		EPA 9056A	CDC	2
		EPA 9060A	MJP	1
92725763004	**MW-5**	SM 2320B-2011	YEG	1
		SM 4500-S2D-2011	JP1	1
		EPA 353.2 Rev 2.0 1993	KDF1	1
		EPA 9056A	CDC	2
		EPA 9060A	MJP	1
92725763005	**MW-3D**	SM 2320B-2011	YEG	1
		SM 4500-S2D-2011	JP1	1
		EPA 353.2 Rev 2.0 1993	KDF1	1
		EPA 9056A	CDC	2
		EPA 9060A	MJP	1
92725763006	**MW-3**	SM 2320B-2011	YEG	1
		SM 4500-S2D-2011	JP1	1
		EPA 353.2 Rev 2.0 1993	KDF1	1
		EPA 9056A	CDC	2
		EPA 9060A	MJP	1
92725763007	**MW-2**	SM 2320B-2011	YEG	1
		SM 4500-S2D-2011	JP1	1
		EPA 353.2 Rev 2.0 1993	KDF1	1
		EPA 9056A	CDC	2
		EPA 9060A	MJP	1
92725763008	**MW-2D**	SM 2320B-2011	YEG	1
		SM 4500-S2D-2011	JP1	1

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

SAMPLE ANALYTE COUNT

Project: Lennox International/BISC
Pace Project No.: 92725763

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		EPA 353.2 Rev 2.0 1993	KDF1	1
		EPA 9056A	CDC	2
		EPA 9060A	MJP	1
92725763009	**MW-8**	SM 4500-S2D-2011	JP1	1
		EPA 9060A	MJP	1
92725763010	**EB-01-04172024**	SM 2320B-2011	YEG	1
		SM 4500-S2D-2011	JP1	1
		EPA 353.2 Rev 2.0 1993	KDF1	1
		EPA 9056A	CDC	2
		EPA 9060A	MJP	1
92725763011	**MW-17**	EPA 8260D	TMH	51
		EPA 8260D Mod.	LMB	3
92725763012	**MW-14**	EPA 8260D	TMH	51
		EPA 8260D Mod.	LMB	3
92725763013	**MW-11**	EPA 8260D	TMH	51
		EPA 8260D Mod.	LMB	3
92725763014	**MW-5**	EPA 8260D	TMH	51
		EPA 8260D Mod.	LMB	3
92725763015	**MW-3D**	EPA 8260D	TMH	51
		EPA 8260D Mod.	LMB	3
92725763016	**MW-3**	EPA 8260D	TMH	51
		EPA 8260D Mod.	LMB	3
92725763017	**MW-2**	EPA 8260D	TMH	51
		EPA 8260D Mod.	LMB	3
92725763018	**MW-2D**	EPA 8260D	TMH	51
		EPA 8260D Mod.	LMB	3
92725763019	**MW-8**	EPA 8260D	TMH	51
		EPA 8260D Mod.	LMB	3
92725763020	**EB-01-04172024**	EPA 8260D	TMH	51
		EPA 8260D Mod.	LMB	3
92725763021	**Trip Blank**	EPA 8260D	SAS	51

PASI-A = Pace Analytical Services - Asheville
PASI-C = Pace Analytical Services - Charlotte

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

SUMMARY OF DETECTION

Project: Lennox International/BISC
Pace Project No.: 92725763

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92725763001	**MW-17**					
EPA 353.2 Rev 2.0 1993	Nitrogen, Nitrate	1.7	mg/L	0.020	04/18/24 12:56	
EPA 9056A	Chloride	7.4	mg/L	1.0	04/18/24 22:24	
92725763002	**MW-14**					
SM 2320B-2011	Alkalinity, Total as CaCO3	6.4	mg/L	5.0	04/22/24 13:07	
EPA 9056A	Chloride	3.2	mg/L	1.0	04/18/24 23:36	
EPA 9056A	Sulfate	3.7	mg/L	1.0	04/18/24 23:36	
EPA 9060A	Mean Total Organic Carbon	0.86J	mg/L	1.0	04/23/24 05:46	
92725763003	**MW-11**					
SM 2320B-2011	Alkalinity, Total as CaCO3	57.2	mg/L	5.0	04/22/24 13:23	
EPA 9056A	Chloride	4.1	mg/L	1.0	04/18/24 23:50	
EPA 9056A	Sulfate	7.2	mg/L	1.0	04/18/24 23:50	
EPA 9060A	Mean Total Organic Carbon	2.7	mg/L	1.0	04/23/24 06:04	
92725763004	**MW-5**					
EPA 353.2 Rev 2.0 1993	Nitrogen, Nitrate	0.27	mg/L	0.020	04/18/24 13:02	
EPA 9056A	Chloride	20.3	mg/L	1.0	04/19/24 00:05	
EPA 9056A	Sulfate	0.51J	mg/L	1.0	04/19/24 00:05	
92725763005	**MW-3D**					
EPA 353.2 Rev 2.0 1993	Nitrogen, Nitrate	3.8	mg/L	0.020	04/18/24 13:01	
EPA 9056A	Chloride	10.5	mg/L	1.0	04/19/24 00:19	
92725763006	**MW-3**					
SM 4500-S2D-2011	Sulfide	10.7	mg/L	2.5	04/18/24 04:48	
EPA 9056A	Chloride	33.2	mg/L	1.0	04/19/24 00:33	
EPA 9060A	Mean Total Organic Carbon	19.6	mg/L	1.0	04/23/24 07:36	
92725763007	**MW-2**					
EPA 353.2 Rev 2.0 1993	Nitrogen, Nitrate	1.4	mg/L	0.020	04/18/24 12:58	
EPA 9056A	Chloride	6.0	mg/L	1.0	04/19/24 00:48	
92725763008	**MW-2D**					
EPA 353.2 Rev 2.0 1993	Nitrogen, Nitrate	0.022	mg/L	0.020	04/18/24 13:11	
EPA 9056A	Chloride	2.2	mg/L	1.0	04/19/24 01:02	
EPA 9056A	Sulfate	0.94J	mg/L	1.0	04/19/24 01:02	
92725763009	**MW-8**					
EPA 9060A	Mean Total Organic Carbon	4.2	mg/L	1.0	04/23/24 08:29	
92725763011	**MW-17**					
EPA 8260D	Chloroform	0.52J	ug/L	1.0	04/24/24 09:03	
92725763014	**MW-5**					
EPA 8260D	1,1-Dichloroethane	1.8J	ug/L	2.5	04/24/24 11:51	
EPA 8260D	Ethylbenzene	1.2J	ug/L	2.5	04/24/24 11:51	
EPA 8260D	Tetrachloroethene	71.8	ug/L	2.5	04/24/24 11:51	
EPA 8260D	Trichloroethene	124	ug/L	2.5	04/24/24 11:51	
EPA 8260D	Vinyl chloride	4.8	ug/L	2.5	04/24/24 11:51	
EPA 8260D	cis-1,2-Dichloroethene	315	ug/L	2.5	04/24/24 11:51	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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SUMMARY OF DETECTION

Project: Lennox International/BISC
Pace Project No.: 92725763

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92725763014	**MW-5**					
EPA 8260D	trans-1,2-Dichloroethene	3.2	ug/L	2.5	04/24/24 11:51	
EPA 8260D Mod.	1,4-Dioxane (p-Dioxane)	12.6	ug/L	2.0	04/19/24 16:43	
92725763015	**MW-3D**					
EPA 8260D	Chloroform	0.76J	ug/L	1.0	04/24/24 09:59	
92725763016	**MW-3**					
EPA 8260D	1,1-Dichloroethane	952	ug/L	125	04/24/24 12:28	
EPA 8260D	1,1-Dichloroethene	497	ug/L	125	04/24/24 12:28	
EPA 8260D	Ethylbenzene	307	ug/L	125	04/24/24 12:28	
EPA 8260D	Toluene	119J	ug/L	125	04/24/24 12:28	
EPA 8260D	Vinyl chloride	848	ug/L	125	04/24/24 12:28	
EPA 8260D	Xylene (Total)	1190	ug/L	125	04/24/24 12:28	
EPA 8260D	cis-1,2-Dichloroethene	19000	ug/L	125	04/24/24 12:28	
EPA 8260D	trans-1,2-Dichloroethene	176	ug/L	125	04/24/24 12:28	
EPA 8260D Mod.	1,4-Dioxane (p-Dioxane)	241	ug/L	8.0	04/19/24 19:58	
92725763017	**MW-2**					
EPA 8260D Mod.	1,4-Dioxane (p-Dioxane)	1.2J	ug/L	2.0	04/19/24 17:42	C8
92725763018	**MW-2D**					
EPA 8260D	Tetrachloroethene	0.69J	ug/L	1.0	04/24/24 10:37	

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ANALYTICAL RESULTS

Project: Lennox International/BISC
Pace Project No.: 92725763

Sample: MW-17 **Lab ID: 92725763001** Collected: 04/17/24 11:30 Received: 04/17/24 15:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		04/20/24 00:26		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		04/18/24 04:45	18496-25-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Rev 2.0 1993 Pace Analytical Services - Asheville								
Nitrogen, Nitrate	**1.7**	mg/L	0.020	0.0039	1		04/18/24 12:56	14797-55-8	
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville								
Chloride	**7.4**	mg/L	1.0	0.60	1		04/18/24 22:24	16887-00-6	
Sulfate	ND	mg/L	1.0	0.50	1		04/18/24 22:24	14808-79-8	
Total Organic Carbon,Asheville	Analytical Method: EPA 9060A Pace Analytical Services - Asheville								
Mean Total Organic Carbon	ND	mg/L	1.0	0.50	1		04/23/24 05:27	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Lennox International/BISC
Pace Project No.: 92725763

Sample: MW-14 **Lab ID: 92725763002** Collected: 04/17/24 10:00 Received: 04/17/24 15:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity, Total as CaCO3	**6.4**	mg/L	5.0	5.0	1		04/22/24 13:07		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		04/18/24 04:45	18496-25-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Rev 2.0 1993 Pace Analytical Services - Asheville								
Nitrogen, Nitrate	ND	mg/L	0.020	0.0039	1		04/18/24 12:52	14797-55-8	
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville								
Chloride	**3.2**	mg/L	1.0	0.60	1		04/18/24 23:36	16887-00-6	
Sulfate	**3.7**	mg/L	1.0	0.50	1		04/18/24 23:36	14808-79-8	
Total Organic Carbon,Asheville	Analytical Method: EPA 9060A Pace Analytical Services - Asheville								
Mean Total Organic Carbon	**0.86J**	mg/L	1.0	0.50	1		04/23/24 05:46	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Lennox International/BISC
Pace Project No.: 92725763

Sample: MW-11 **Lab ID: 92725763003** Collected: 04/17/24 12:20 Received: 04/17/24 15:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity, Total as CaCO3	**57.2**	mg/L	5.0	5.0	1		04/22/24 13:23		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		04/18/24 04:46	18496-25-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Rev 2.0 1993 Pace Analytical Services - Asheville								
Nitrogen, Nitrate	ND	mg/L	0.020	0.0039	1		04/18/24 13:00	14797-55-8	
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville								
Chloride	**4.1**	mg/L	1.0	0.60	1		04/18/24 23:50	16887-00-6	
Sulfate	**7.2**	mg/L	1.0	0.50	1		04/18/24 23:50	14808-79-8	
Total Organic Carbon,Asheville	Analytical Method: EPA 9060A Pace Analytical Services - Asheville								
Mean Total Organic Carbon	**2.7**	mg/L	1.0	0.50	1		04/23/24 06:04	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Lennox International/BISC
Pace Project No.: 92725763

Sample: MW-5 **Lab ID: 92725763004** Collected: 04/17/24 13:00 Received: 04/17/24 15:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		04/22/24 13:31		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		04/18/24 04:46	18496-25-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Rev 2.0 1993 Pace Analytical Services - Asheville								
Nitrogen, Nitrate	**0.27**	mg/L	0.020	0.0039	1		04/18/24 13:02	14797-55-8	
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville								
Chloride	**20.3**	mg/L	1.0	0.60	1		04/19/24 00:05	16887-00-6	
Sulfate	**0.51J**	mg/L	1.0	0.50	1		04/19/24 00:05	14808-79-8	
Total Organic Carbon,Asheville	Analytical Method: EPA 9060A Pace Analytical Services - Asheville								
Mean Total Organic Carbon	ND	mg/L	1.0	0.50	1		04/23/24 06:22	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Lennox International/BISC
Pace Project No.: 92725763

Sample: MW-3D **Lab ID: 92725763005** Collected: 04/17/24 12:20 Received: 04/17/24 15:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		04/22/24 13:55		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		04/18/24 04:46	18496-25-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Rev 2.0 1993 Pace Analytical Services - Asheville								
Nitrogen, Nitrate	**3.8**	mg/L	0.020	0.0039	1		04/18/24 13:01	14797-55-8	
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville								
Chloride	**10.5**	mg/L	1.0	0.60	1		04/19/24 00:19	16887-00-6	
Sulfate	ND	mg/L	1.0	0.50	1		04/19/24 00:19	14808-79-8	
Total Organic Carbon,Asheville	Analytical Method: EPA 9060A Pace Analytical Services - Asheville								
Mean Total Organic Carbon	ND	mg/L	1.0	0.50	1		04/23/24 06:39	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Lennox International/BISC
Pace Project No.: 92725763

Sample: MW-3 **Lab ID: 92725763006** Collected: 04/17/24 11:30 Received: 04/17/24 15:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		04/22/24 13:59		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	**10.7**	mg/L	2.5	0.55	25		04/18/24 04:48	18496-25-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Rev 2.0 1993 Pace Analytical Services - Asheville								
Nitrogen, Nitrate	ND	mg/L	0.020	0.0039	1		04/18/24 12:57	14797-55-8	
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville								
Chloride	**33.2**	mg/L	1.0	0.60	1		04/19/24 00:33	16887-00-6	
Sulfate	ND	mg/L	1.0	0.50	1		04/19/24 00:33	14808-79-8	
Total Organic Carbon,Asheville	Analytical Method: EPA 9060A Pace Analytical Services - Asheville								
Mean Total Organic Carbon	**19.6**	mg/L	1.0	0.50	1		04/23/24 07:36	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Lennox International/BISC
Pace Project No.: 92725763

Sample: MW-2 **Lab ID: 92725763007** Collected: 04/17/24 10:35 Received: 04/17/24 15:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		04/22/24 14:05		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		04/18/24 04:48	18496-25-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Rev 2.0 1993 Pace Analytical Services - Asheville								
Nitrogen, Nitrate	**1.4**	mg/L	0.020	0.0039	1		04/18/24 12:58	14797-55-8	
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville								
Chloride	**6.0**	mg/L	1.0	0.60	1		04/19/24 00:48	16887-00-6	
Sulfate	ND	mg/L	1.0	0.50	1		04/19/24 00:48	14808-79-8	
Total Organic Carbon,Asheville	Analytical Method: EPA 9060A Pace Analytical Services - Asheville								
Mean Total Organic Carbon	ND	mg/L	1.0	0.50	1		04/23/24 07:54	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Lennox International/BISC
Pace Project No.: 92725763

Sample: MW-2D **Lab ID: 92725763008** Collected: 04/17/24 09:45 Received: 04/17/24 15:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		04/22/24 14:09		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		04/18/24 04:49	18496-25-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Rev 2.0 1993 Pace Analytical Services - Asheville								
Nitrogen, Nitrate	**0.022**	mg/L	0.020	0.0039	1		04/18/24 13:11	14797-55-8	
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville								
Chloride	**2.2**	mg/L	1.0	0.60	1		04/19/24 01:02	16887-00-6	
Sulfate	**0.94J**	mg/L	1.0	0.50	1		04/19/24 01:02	14808-79-8	
Total Organic Carbon,Asheville	Analytical Method: EPA 9060A Pace Analytical Services - Asheville								
Mean Total Organic Carbon	ND	mg/L	1.0	0.50	1		04/23/24 08:11	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Lennox International/BISC
Pace Project No.: 92725763

Sample: MW-8 **Lab ID: 92725763009** Collected: 04/17/24 07:50 Received: 04/17/24 15:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		04/18/24 04:50	18496-25-8	
Total Organic Carbon,Asheville	Analytical Method: EPA 9060A Pace Analytical Services - Asheville								
Mean Total Organic Carbon	**4.2**	mg/L	1.0	0.50	1		04/23/24 08:29	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Lennox International/BISC
Pace Project No.: 92725763

Sample: EB-01-04172024 **Lab ID: 92725763010** Collected: 04/17/24 13:25 Received: 04/17/24 15:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		04/22/24 14:14		
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville								
Sulfide	ND	mg/L	0.10	0.022	1		04/18/24 04:50	18496-25-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2 Rev 2.0 1993 Pace Analytical Services - Asheville								
Nitrogen, Nitrate	ND	mg/L	0.020	0.0039	1		04/18/24 13:04	14797-55-8	
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		04/19/24 01:16	16887-00-6	
Sulfate	ND	mg/L	1.0	0.50	1		04/19/24 01:16	14808-79-8	
Total Organic Carbon,Asheville	Analytical Method: EPA 9060A Pace Analytical Services - Asheville								
Mean Total Organic Carbon	ND	mg/L	1.0	0.50	1		04/23/24 08:47	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Lennox International/BISC
Pace Project No.: 92725763

Sample: MW-17 **Lab ID: 92725763011** Collected: 04/17/24 11:30 Received: 04/18/24 09:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
1,1,1-Trichloroethane	ND	ug/L	1.0	0.33	1		04/24/24 09:03	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		04/24/24 09:03	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.32	1		04/24/24 09:03	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.32	1		04/24/24 09:03	76-13-1	
1,1-Dichloroethane	ND	ug/L	1.0	0.37	1		04/24/24 09:03	75-34-3	
1,1-Dichloroethene	ND	ug/L	1.0	0.35	1		04/24/24 09:03	75-35-4	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		04/24/24 09:03	120-82-1	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		04/24/24 09:03	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		04/24/24 09:03	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		04/24/24 09:03	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/24/24 09:03	107-06-2	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		04/24/24 09:03	78-87-5	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		04/24/24 09:03	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		04/24/24 09:03	106-46-7	
2-Butanone (MEK)	ND	ug/L	10.0	4.0	1		04/24/24 09:03	78-93-3	
2-Hexanone	ND	ug/L	10.0	0.48	1		04/24/24 09:03	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	2.7	1		04/24/24 09:03	108-10-1	
Acetone	ND	ug/L	25.0	5.1	1		04/24/24 09:03	67-64-1	
Benzene	ND	ug/L	1.0	0.34	1		04/24/24 09:03	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		04/24/24 09:03	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		04/24/24 09:03	75-25-2	v2
Bromomethane	ND	ug/L	2.0	1.7	1		04/24/24 09:03	74-83-9	v2
Carbon disulfide	ND	ug/L	2.0	0.36	1		04/24/24 09:03	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		04/24/24 09:03	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		04/24/24 09:03	108-90-7	
Chloroethane	ND	ug/L	2.0	0.65	1		04/24/24 09:03	75-00-3	
Chloroform	**0.52J**	ug/L	1.0	0.43	1		04/24/24 09:03	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		04/24/24 09:03	74-87-3	
Cyclohexane	ND	ug/L	1.0	0.35	1		04/24/24 09:03	110-82-7	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		04/24/24 09:03	124-48-1	
Dichlorodifluoromethane	ND	ug/L	2.0	0.35	1		04/24/24 09:03	75-71-8	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/24/24 09:03	100-41-4	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.33	1		04/24/24 09:03	98-82-8	
Methyl acetate	ND	ug/L	10.0	2.4	1		04/24/24 09:03	79-20-9	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/24/24 09:03	1634-04-4	
Methylcyclohexane	ND	ug/L	10.0	1.5	1		04/24/24 09:03	108-87-2	
Methylene Chloride	ND	ug/L	5.0	2.0	1		04/24/24 09:03	75-09-2	
Styrene	ND	ug/L	1.0	0.29	1		04/24/24 09:03	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	0.29	1		04/24/24 09:03	127-18-4	
Toluene	ND	ug/L	1.0	0.24	1		04/24/24 09:03	108-88-3	
Trichloroethene	ND	ug/L	1.0	0.38	1		04/24/24 09:03	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		04/24/24 09:03	75-69-4	
Vinyl chloride	ND	ug/L	1.0	0.39	1		04/24/24 09:03	75-01-4	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/24/24 09:03	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.38	1		04/24/24 09:03	156-59-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: Lennox International/BISC
Pace Project No.: 92725763

Sample: MW-17 **Lab ID: 92725763011** Collected: 04/17/24 11:30 Received: 04/18/24 09:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		04/24/24 09:03	10061-01-5	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.40	1		04/24/24 09:03	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		04/24/24 09:03	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		04/24/24 09:03	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	70-130		1		04/24/24 09:03	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		04/24/24 09:03	2037-26-5	
8260D MSV SIM	Analytical Method: EPA 8260D Mod. Pace Analytical Services - Charlotte								
1,4-Dioxane (p-Dioxane)	ND	ug/L	2.0	0.86	1		04/19/24 15:45	123-91-1	
Surrogates									
1,2-Dichloroethane-d4 (S)	95	%	67-130		1		04/19/24 15:45	17060-07-0	
Toluene-d8 (S)	92	%	70-130		1		04/19/24 15:45	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: Lennox International/BISC
Pace Project No.: 92725763

Sample: MW-14 **Lab ID: 92725763012** Collected: 04/17/24 10:00 Received: 04/18/24 09:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
1,1,1-Trichloroethane	ND	ug/L	1.0	0.33	1		04/24/24 09:22	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		04/24/24 09:22	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.32	1		04/24/24 09:22	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.32	1		04/24/24 09:22	76-13-1	
1,1-Dichloroethane	ND	ug/L	1.0	0.37	1		04/24/24 09:22	75-34-3	
1,1-Dichloroethene	ND	ug/L	1.0	0.35	1		04/24/24 09:22	75-35-4	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		04/24/24 09:22	120-82-1	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		04/24/24 09:22	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		04/24/24 09:22	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		04/24/24 09:22	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/24/24 09:22	107-06-2	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		04/24/24 09:22	78-87-5	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		04/24/24 09:22	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		04/24/24 09:22	106-46-7	
2-Butanone (MEK)	ND	ug/L	10.0	4.0	1		04/24/24 09:22	78-93-3	
2-Hexanone	ND	ug/L	10.0	0.48	1		04/24/24 09:22	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	2.7	1		04/24/24 09:22	108-10-1	
Acetone	ND	ug/L	25.0	5.1	1		04/24/24 09:22	67-64-1	
Benzene	ND	ug/L	1.0	0.34	1		04/24/24 09:22	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		04/24/24 09:22	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		04/24/24 09:22	75-25-2	v2
Bromomethane	ND	ug/L	2.0	1.7	1		04/24/24 09:22	74-83-9	v2
Carbon disulfide	ND	ug/L	2.0	0.36	1		04/24/24 09:22	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		04/24/24 09:22	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		04/24/24 09:22	108-90-7	
Chloroethane	ND	ug/L	2.0	0.65	1		04/24/24 09:22	75-00-3	
Chloroform	ND	ug/L	1.0	0.43	1		04/24/24 09:22	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		04/24/24 09:22	74-87-3	
Cyclohexane	ND	ug/L	1.0	0.35	1		04/24/24 09:22	110-82-7	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		04/24/24 09:22	124-48-1	
Dichlorodifluoromethane	ND	ug/L	2.0	0.35	1		04/24/24 09:22	75-71-8	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/24/24 09:22	100-41-4	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.33	1		04/24/24 09:22	98-82-8	
Methyl acetate	ND	ug/L	10.0	2.4	1		04/24/24 09:22	79-20-9	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/24/24 09:22	1634-04-4	
Methylcyclohexane	ND	ug/L	10.0	1.5	1		04/24/24 09:22	108-87-2	
Methylene Chloride	ND	ug/L	5.0	2.0	1		04/24/24 09:22	75-09-2	
Styrene	ND	ug/L	1.0	0.29	1		04/24/24 09:22	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	0.29	1		04/24/24 09:22	127-18-4	
Toluene	ND	ug/L	1.0	0.24	1		04/24/24 09:22	108-88-3	
Trichloroethene	ND	ug/L	1.0	0.38	1		04/24/24 09:22	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		04/24/24 09:22	75-69-4	
Vinyl chloride	ND	ug/L	1.0	0.39	1		04/24/24 09:22	75-01-4	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/24/24 09:22	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.38	1		04/24/24 09:22	156-59-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: Lennox International/BISC
Pace Project No.: 92725763

Sample: MW-14 **Lab ID: 92725763012** Collected: 04/17/24 10:00 Received: 04/18/24 09:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		04/24/24 09:22	10061-01-5	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.40	1		04/24/24 09:22	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		04/24/24 09:22	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		04/24/24 09:22	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	70-130		1		04/24/24 09:22	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		04/24/24 09:22	2037-26-5	
8260D MSV SIM	Analytical Method: EPA 8260D Mod. Pace Analytical Services - Charlotte								
1,4-Dioxane (p-Dioxane)	ND	ug/L	2.0	0.86	1		04/19/24 16:04	123-91-1	
Surrogates									
1,2-Dichloroethane-d4 (S)	96	%	67-130		1		04/19/24 16:04	17060-07-0	
Toluene-d8 (S)	93	%	70-130		1		04/19/24 16:04	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: Lennox International/BISC
Pace Project No.: 92725763

Sample: MW-11 **Lab ID: 92725763013** Collected: 04/17/24 12:20 Received: 04/18/24 09:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
1,1,1-Trichloroethane	ND	ug/L	1.0	0.33	1		04/24/24 09:41	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		04/24/24 09:41	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.32	1		04/24/24 09:41	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.32	1		04/24/24 09:41	76-13-1	
1,1-Dichloroethane	ND	ug/L	1.0	0.37	1		04/24/24 09:41	75-34-3	
1,1-Dichloroethene	ND	ug/L	1.0	0.35	1		04/24/24 09:41	75-35-4	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		04/24/24 09:41	120-82-1	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		04/24/24 09:41	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		04/24/24 09:41	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		04/24/24 09:41	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/24/24 09:41	107-06-2	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		04/24/24 09:41	78-87-5	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		04/24/24 09:41	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		04/24/24 09:41	106-46-7	
2-Butanone (MEK)	ND	ug/L	10.0	4.0	1		04/24/24 09:41	78-93-3	
2-Hexanone	ND	ug/L	10.0	0.48	1		04/24/24 09:41	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	2.7	1		04/24/24 09:41	108-10-1	
Acetone	ND	ug/L	25.0	5.1	1		04/24/24 09:41	67-64-1	
Benzene	ND	ug/L	1.0	0.34	1		04/24/24 09:41	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		04/24/24 09:41	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		04/24/24 09:41	75-25-2	v2
Bromomethane	ND	ug/L	2.0	1.7	1		04/24/24 09:41	74-83-9	v2
Carbon disulfide	ND	ug/L	2.0	0.36	1		04/24/24 09:41	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		04/24/24 09:41	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		04/24/24 09:41	108-90-7	
Chloroethane	ND	ug/L	2.0	0.65	1		04/24/24 09:41	75-00-3	
Chloroform	ND	ug/L	1.0	0.43	1		04/24/24 09:41	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		04/24/24 09:41	74-87-3	
Cyclohexane	ND	ug/L	1.0	0.35	1		04/24/24 09:41	110-82-7	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		04/24/24 09:41	124-48-1	
Dichlorodifluoromethane	ND	ug/L	2.0	0.35	1		04/24/24 09:41	75-71-8	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/24/24 09:41	100-41-4	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.33	1		04/24/24 09:41	98-82-8	
Methyl acetate	ND	ug/L	10.0	2.4	1		04/24/24 09:41	79-20-9	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/24/24 09:41	1634-04-4	
Methylcyclohexane	ND	ug/L	10.0	1.5	1		04/24/24 09:41	108-87-2	
Methylene Chloride	ND	ug/L	5.0	2.0	1		04/24/24 09:41	75-09-2	
Styrene	ND	ug/L	1.0	0.29	1		04/24/24 09:41	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	0.29	1		04/24/24 09:41	127-18-4	
Toluene	ND	ug/L	1.0	0.24	1		04/24/24 09:41	108-88-3	
Trichloroethene	ND	ug/L	1.0	0.38	1		04/24/24 09:41	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		04/24/24 09:41	75-69-4	
Vinyl chloride	ND	ug/L	1.0	0.39	1		04/24/24 09:41	75-01-4	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/24/24 09:41	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.38	1		04/24/24 09:41	156-59-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: Lennox International/BISC
Pace Project No.: 92725763

Sample: MW-11 **Lab ID: 92725763013** Collected: 04/17/24 12:20 Received: 04/18/24 09:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		04/24/24 09:41	10061-01-5	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.40	1		04/24/24 09:41	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		04/24/24 09:41	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		04/24/24 09:41	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%	70-130		1		04/24/24 09:41	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		04/24/24 09:41	2037-26-5	
8260D MSV SIM	Analytical Method: EPA 8260D Mod. Pace Analytical Services - Charlotte								
1,4-Dioxane (p-Dioxane)	ND	ug/L	2.0	0.86	1		04/19/24 16:24	123-91-1	
Surrogates									
1,2-Dichloroethane-d4 (S)	99	%	67-130		1		04/19/24 16:24	17060-07-0	
Toluene-d8 (S)	92	%	70-130		1		04/19/24 16:24	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: Lennox International/BISC
Pace Project No.: 92725763

Sample: MW-5 **Lab ID: 92725763014** Collected: 04/17/24 13:00 Received: 04/18/24 09:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
1,1,1-Trichloroethane	ND	ug/L	2.5	0.83	2.5		04/24/24 11:51	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	2.5	0.56	2.5		04/24/24 11:51	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	2.5	0.81	2.5		04/24/24 11:51	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	2.5	0.79	2.5		04/24/24 11:51	76-13-1	
1,1-Dichloroethane	**1.8J**	ug/L	2.5	0.92	2.5		04/24/24 11:51	75-34-3	
1,1-Dichloroethene	ND	ug/L	2.5	0.87	2.5		04/24/24 11:51	75-35-4	
1,2,4-Trichlorobenzene	ND	ug/L	2.5	1.6	2.5		04/24/24 11:51	120-82-1	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	0.85	2.5		04/24/24 11:51	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	2.5	0.68	2.5		04/24/24 11:51	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	2.5	0.85	2.5		04/24/24 11:51	95-50-1	
1,2-Dichloroethane	ND	ug/L	2.5	0.80	2.5		04/24/24 11:51	107-06-2	
1,2-Dichloropropane	ND	ug/L	2.5	0.89	2.5		04/24/24 11:51	78-87-5	
1,3-Dichlorobenzene	ND	ug/L	2.5	0.85	2.5		04/24/24 11:51	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	2.5	0.83	2.5		04/24/24 11:51	106-46-7	
2-Butanone (MEK)	ND	ug/L	25.0	9.9	2.5		04/24/24 11:51	78-93-3	
2-Hexanone	ND	ug/L	25.0	1.2	2.5		04/24/24 11:51	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	6.8	2.5		04/24/24 11:51	108-10-1	
Acetone	ND	ug/L	62.5	12.8	2.5		04/24/24 11:51	67-64-1	
Benzene	ND	ug/L	2.5	0.86	2.5		04/24/24 11:51	71-43-2	
Bromodichloromethane	ND	ug/L	2.5	0.77	2.5		04/24/24 11:51	75-27-4	
Bromoform	ND	ug/L	2.5	0.85	2.5		04/24/24 11:51	75-25-2	v2
Bromomethane	ND	ug/L	5.0	4.2	2.5		04/24/24 11:51	74-83-9	v2
Carbon disulfide	ND	ug/L	5.0	0.89	2.5		04/24/24 11:51	75-15-0	
Carbon tetrachloride	ND	ug/L	2.5	0.83	2.5		04/24/24 11:51	56-23-5	
Chlorobenzene	ND	ug/L	2.5	0.71	2.5		04/24/24 11:51	108-90-7	
Chloroethane	ND	ug/L	5.0	1.6	2.5		04/24/24 11:51	75-00-3	
Chloroform	ND	ug/L	2.5	1.1	2.5		04/24/24 11:51	67-66-3	
Chloromethane	ND	ug/L	2.5	1.4	2.5		04/24/24 11:51	74-87-3	
Cyclohexane	ND	ug/L	2.5	0.88	2.5		04/24/24 11:51	110-82-7	
Dibromochloromethane	ND	ug/L	2.5	0.90	2.5		04/24/24 11:51	124-48-1	
Dichlorodifluoromethane	ND	ug/L	5.0	0.86	2.5		04/24/24 11:51	75-71-8	
Ethylbenzene	**1.2J**	ug/L	2.5	0.76	2.5		04/24/24 11:51	100-41-4	
Isopropylbenzene (Cumene)	ND	ug/L	2.5	0.83	2.5		04/24/24 11:51	98-82-8	
Methyl acetate	ND	ug/L	25.0	6.0	2.5		04/24/24 11:51	79-20-9	
Methyl-tert-butyl ether	ND	ug/L	2.5	1.1	2.5		04/24/24 11:51	1634-04-4	
Methylcyclohexane	ND	ug/L	25.0	3.8	2.5		04/24/24 11:51	108-87-2	
Methylene Chloride	ND	ug/L	12.5	4.9	2.5		04/24/24 11:51	75-09-2	
Styrene	ND	ug/L	2.5	0.73	2.5		04/24/24 11:51	100-42-5	
Tetrachloroethene	**71.8**	ug/L	2.5	0.73	2.5		04/24/24 11:51	127-18-4	
Toluene	ND	ug/L	2.5	0.60	2.5		04/24/24 11:51	108-88-3	
Trichloroethene	**124**	ug/L	2.5	0.96	2.5		04/24/24 11:51	79-01-6	
Trichlorofluoromethane	ND	ug/L	2.5	0.74	2.5		04/24/24 11:51	75-69-4	
Vinyl chloride	**4.8**	ug/L	2.5	0.96	2.5		04/24/24 11:51	75-01-4	
Xylene (Total)	ND	ug/L	2.5	0.84	2.5		04/24/24 11:51	1330-20-7	
cis-1,2-Dichloroethene	**315**	ug/L	2.5	0.96	2.5		04/24/24 11:51	156-59-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: Lennox International/BISC
Pace Project No.: 92725763

Sample: MW-5 **Lab ID: 92725763014** Collected: 04/17/24 13:00 Received: 04/18/24 09:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
cis-1,3-Dichloropropene	ND	ug/L	2.5	0.91	2.5		04/24/24 11:51	10061-01-5	
trans-1,2-Dichloroethene	**3.2**	ug/L	2.5	0.99	2.5		04/24/24 11:51	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	2.5	0.91	2.5		04/24/24 11:51	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		2.5		04/24/24 11:51	460-00-4	
1,2-Dichloroethane-d4 (S)	110	%	70-130		2.5		04/24/24 11:51	17060-07-0	
Toluene-d8 (S)	104	%	70-130		2.5		04/24/24 11:51	2037-26-5	
8260D MSV SIM	Analytical Method: EPA 8260D Mod. Pace Analytical Services - Charlotte								
1,4-Dioxane (p-Dioxane)	**12.6**	ug/L	2.0	0.86	1		04/19/24 16:43	123-91-1	
Surrogates									
1,2-Dichloroethane-d4 (S)	100	%	67-130		1		04/19/24 16:43	17060-07-0	
Toluene-d8 (S)	90	%	70-130		1		04/19/24 16:43	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: Lennox International/BISC
Pace Project No.: 92725763

Sample: MW-3D **Lab ID: 92725763015** Collected: 04/17/24 12:20 Received: 04/18/24 09:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
1,1,1-Trichloroethane	ND	ug/L	1.0	0.33	1		04/24/24 09:59	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		04/24/24 09:59	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.32	1		04/24/24 09:59	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.32	1		04/24/24 09:59	76-13-1	
1,1-Dichloroethane	ND	ug/L	1.0	0.37	1		04/24/24 09:59	75-34-3	
1,1-Dichloroethene	ND	ug/L	1.0	0.35	1		04/24/24 09:59	75-35-4	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		04/24/24 09:59	120-82-1	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		04/24/24 09:59	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		04/24/24 09:59	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		04/24/24 09:59	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/24/24 09:59	107-06-2	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		04/24/24 09:59	78-87-5	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		04/24/24 09:59	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		04/24/24 09:59	106-46-7	
2-Butanone (MEK)	ND	ug/L	10.0	4.0	1		04/24/24 09:59	78-93-3	
2-Hexanone	ND	ug/L	10.0	0.48	1		04/24/24 09:59	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	2.7	1		04/24/24 09:59	108-10-1	
Acetone	ND	ug/L	25.0	5.1	1		04/24/24 09:59	67-64-1	
Benzene	ND	ug/L	1.0	0.34	1		04/24/24 09:59	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		04/24/24 09:59	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		04/24/24 09:59	75-25-2	v2
Bromomethane	ND	ug/L	2.0	1.7	1		04/24/24 09:59	74-83-9	v2
Carbon disulfide	ND	ug/L	2.0	0.36	1		04/24/24 09:59	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		04/24/24 09:59	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		04/24/24 09:59	108-90-7	
Chloroethane	ND	ug/L	2.0	0.65	1		04/24/24 09:59	75-00-3	
Chloroform	**0.76J**	ug/L	1.0	0.43	1		04/24/24 09:59	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		04/24/24 09:59	74-87-3	
Cyclohexane	ND	ug/L	1.0	0.35	1		04/24/24 09:59	110-82-7	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		04/24/24 09:59	124-48-1	
Dichlorodifluoromethane	ND	ug/L	2.0	0.35	1		04/24/24 09:59	75-71-8	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/24/24 09:59	100-41-4	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.33	1		04/24/24 09:59	98-82-8	
Methyl acetate	ND	ug/L	10.0	2.4	1		04/24/24 09:59	79-20-9	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/24/24 09:59	1634-04-4	
Methylcyclohexane	ND	ug/L	10.0	1.5	1		04/24/24 09:59	108-87-2	
Methylene Chloride	ND	ug/L	5.0	2.0	1		04/24/24 09:59	75-09-2	
Styrene	ND	ug/L	1.0	0.29	1		04/24/24 09:59	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	0.29	1		04/24/24 09:59	127-18-4	
Toluene	ND	ug/L	1.0	0.24	1		04/24/24 09:59	108-88-3	
Trichloroethene	ND	ug/L	1.0	0.38	1		04/24/24 09:59	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		04/24/24 09:59	75-69-4	
Vinyl chloride	ND	ug/L	1.0	0.39	1		04/24/24 09:59	75-01-4	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/24/24 09:59	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.38	1		04/24/24 09:59	156-59-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: Lennox International/BISC
Pace Project No.: 92725763

Sample: MW-3D **Lab ID: 92725763015** Collected: 04/17/24 12:20 Received: 04/18/24 09:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		04/24/24 09:59	10061-01-5	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.40	1		04/24/24 09:59	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		04/24/24 09:59	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		04/24/24 09:59	460-00-4	
1,2-Dichloroethane-d4 (S)	109	%	70-130		1		04/24/24 09:59	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		04/24/24 09:59	2037-26-5	
8260D MSV SIM	Analytical Method: EPA 8260D Mod. Pace Analytical Services - Charlotte								
1,4-Dioxane (p-Dioxane)	ND	ug/L	2.0	0.86	1		04/19/24 17:04	123-91-1	
Surrogates									
1,2-Dichloroethane-d4 (S)	95	%	67-130		1		04/19/24 17:04	17060-07-0	
Toluene-d8 (S)	92	%	70-130		1		04/19/24 17:04	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: Lennox International/BISC
Pace Project No.: 92725763

Sample: MW-3 **Lab ID: 92725763016** Collected: 04/17/24 11:30 Received: 04/18/24 09:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
1,1,1-Trichloroethane	ND	ug/L	125	41.5	125		04/24/24 12:28	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	125	28.1	125		04/24/24 12:28	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	125	40.6	125		04/24/24 12:28	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	125	39.5	125		04/24/24 12:28	76-13-1	
1,1-Dichloroethane	**952**	ug/L	125	45.9	125		04/24/24 12:28	75-34-3	
1,1-Dichloroethene	**497**	ug/L	125	43.5	125		04/24/24 12:28	75-35-4	
1,2,4-Trichlorobenzene	ND	ug/L	125	79.9	125		04/24/24 12:28	120-82-1	
1,2-Dibromo-3-chloropropane	ND	ug/L	250	42.5	125		04/24/24 12:28	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	125	34.0	125		04/24/24 12:28	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	125	42.4	125		04/24/24 12:28	95-50-1	
1,2-Dichloroethane	ND	ug/L	125	40.2	125		04/24/24 12:28	107-06-2	
1,2-Dichloropropane	ND	ug/L	125	44.4	125		04/24/24 12:28	78-87-5	
1,3-Dichlorobenzene	ND	ug/L	125	42.5	125		04/24/24 12:28	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	125	41.6	125		04/24/24 12:28	106-46-7	
2-Butanone (MEK)	ND	ug/L	1250	495	125		04/24/24 12:28	78-93-3	
2-Hexanone	ND	ug/L	1250	59.5	125		04/24/24 12:28	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	1250	339	125		04/24/24 12:28	108-10-1	
Acetone	ND	ug/L	3120	639	125		04/24/24 12:28	67-64-1	
Benzene	ND	ug/L	125	43.1	125		04/24/24 12:28	71-43-2	
Bromodichloromethane	ND	ug/L	125	38.4	125		04/24/24 12:28	75-27-4	
Bromoform	ND	ug/L	125	42.6	125		04/24/24 12:28	75-25-2	v2
Bromomethane	ND	ug/L	250	208	125		04/24/24 12:28	74-83-9	v2
Carbon disulfide	ND	ug/L	250	44.4	125		04/24/24 12:28	75-15-0	
Carbon tetrachloride	ND	ug/L	125	41.6	125		04/24/24 12:28	56-23-5	
Chlorobenzene	ND	ug/L	125	35.5	125		04/24/24 12:28	108-90-7	
Chloroethane	ND	ug/L	250	81.1	125		04/24/24 12:28	75-00-3	
Chloroform	ND	ug/L	125	53.8	125		04/24/24 12:28	67-66-3	
Chloromethane	ND	ug/L	125	67.5	125		04/24/24 12:28	74-87-3	
Cyclohexane	ND	ug/L	125	44.2	125		04/24/24 12:28	110-82-7	
Dibromochloromethane	ND	ug/L	125	44.9	125		04/24/24 12:28	124-48-1	
Dichlorodifluoromethane	ND	ug/L	250	43.2	125		04/24/24 12:28	75-71-8	
Ethylbenzene	**307**	ug/L	125	38.0	125		04/24/24 12:28	100-41-4	
Isopropylbenzene (Cumene)	ND	ug/L	125	41.6	125		04/24/24 12:28	98-82-8	
Methyl acetate	ND	ug/L	1250	299	125		04/24/24 12:28	79-20-9	
Methyl-tert-butyl ether	ND	ug/L	125	52.8	125		04/24/24 12:28	1634-04-4	
Methylcyclohexane	ND	ug/L	1250	189	125		04/24/24 12:28	108-87-2	
Methylene Chloride	ND	ug/L	625	244	125		04/24/24 12:28	75-09-2	
Styrene	ND	ug/L	125	36.5	125		04/24/24 12:28	100-42-5	
Tetrachloroethene	ND	ug/L	125	36.5	125		04/24/24 12:28	127-18-4	
Toluene	**119J**	ug/L	125	29.9	125		04/24/24 12:28	108-88-3	
Trichloroethene	ND	ug/L	125	47.9	125		04/24/24 12:28	79-01-6	
Trichlorofluoromethane	ND	ug/L	125	37.2	125		04/24/24 12:28	75-69-4	
Vinyl chloride	**848**	ug/L	125	48.2	125		04/24/24 12:28	75-01-4	
Xylene (Total)	**1190**	ug/L	125	42.2	125		04/24/24 12:28	1330-20-7	
cis-1,2-Dichloroethene	**19000**	ug/L	125	48.0	125		04/24/24 12:28	156-59-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: Lennox International/BISC
Pace Project No.: 92725763

Sample: MW-3 **Lab ID: 92725763016** Collected: 04/17/24 11:30 Received: 04/18/24 09:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
cis-1,3-Dichloropropene	ND	ug/L	125	45.6	125		04/24/24 12:28	10061-01-5	
trans-1,2-Dichloroethene	**176**	ug/L	125	49.5	125		04/24/24 12:28	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	125	45.4	125		04/24/24 12:28	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		125		04/24/24 12:28	460-00-4	
1,2-Dichloroethane-d4 (S)	111	%	70-130		125		04/24/24 12:28	17060-07-0	
Toluene-d8 (S)	102	%	70-130		125		04/24/24 12:28	2037-26-5	
8260D MSV SIM	Analytical Method: EPA 8260D Mod. Pace Analytical Services - Charlotte								
1,4-Dioxane (p-Dioxane)	**241**	ug/L	8.0	3.4	4		04/19/24 19:58	123-91-1	
Surrogates									
1,2-Dichloroethane-d4 (S)	82	%	67-130		4		04/19/24 19:58	17060-07-0	
Toluene-d8 (S)	90	%	70-130		4		04/19/24 19:58	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: Lennox International/BISC
Pace Project No.: 92725763

Sample: MW-2 **Lab ID: 92725763017** Collected: 04/17/24 10:35 Received: 04/18/24 09:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
1,1,1-Trichloroethane	ND	ug/L	1.0	0.33	1		04/24/24 10:18	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		04/24/24 10:18	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.32	1		04/24/24 10:18	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.32	1		04/24/24 10:18	76-13-1	
1,1-Dichloroethane	ND	ug/L	1.0	0.37	1		04/24/24 10:18	75-34-3	
1,1-Dichloroethene	ND	ug/L	1.0	0.35	1		04/24/24 10:18	75-35-4	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		04/24/24 10:18	120-82-1	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		04/24/24 10:18	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		04/24/24 10:18	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		04/24/24 10:18	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/24/24 10:18	107-06-2	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		04/24/24 10:18	78-87-5	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		04/24/24 10:18	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		04/24/24 10:18	106-46-7	
2-Butanone (MEK)	ND	ug/L	10.0	4.0	1		04/24/24 10:18	78-93-3	
2-Hexanone	ND	ug/L	10.0	0.48	1		04/24/24 10:18	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	2.7	1		04/24/24 10:18	108-10-1	
Acetone	ND	ug/L	25.0	5.1	1		04/24/24 10:18	67-64-1	
Benzene	ND	ug/L	1.0	0.34	1		04/24/24 10:18	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		04/24/24 10:18	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		04/24/24 10:18	75-25-2	v2
Bromomethane	ND	ug/L	2.0	1.7	1		04/24/24 10:18	74-83-9	v2
Carbon disulfide	ND	ug/L	2.0	0.36	1		04/24/24 10:18	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		04/24/24 10:18	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		04/24/24 10:18	108-90-7	
Chloroethane	ND	ug/L	2.0	0.65	1		04/24/24 10:18	75-00-3	
Chloroform	ND	ug/L	1.0	0.43	1		04/24/24 10:18	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		04/24/24 10:18	74-87-3	
Cyclohexane	ND	ug/L	1.0	0.35	1		04/24/24 10:18	110-82-7	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		04/24/24 10:18	124-48-1	
Dichlorodifluoromethane	ND	ug/L	2.0	0.35	1		04/24/24 10:18	75-71-8	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/24/24 10:18	100-41-4	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.33	1		04/24/24 10:18	98-82-8	
Methyl acetate	ND	ug/L	10.0	2.4	1		04/24/24 10:18	79-20-9	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/24/24 10:18	1634-04-4	
Methylcyclohexane	ND	ug/L	10.0	1.5	1		04/24/24 10:18	108-87-2	
Methylene Chloride	ND	ug/L	5.0	2.0	1		04/24/24 10:18	75-09-2	
Styrene	ND	ug/L	1.0	0.29	1		04/24/24 10:18	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	0.29	1		04/24/24 10:18	127-18-4	
Toluene	ND	ug/L	1.0	0.24	1		04/24/24 10:18	108-88-3	
Trichloroethene	ND	ug/L	1.0	0.38	1		04/24/24 10:18	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		04/24/24 10:18	75-69-4	
Vinyl chloride	ND	ug/L	1.0	0.39	1		04/24/24 10:18	75-01-4	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/24/24 10:18	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.38	1		04/24/24 10:18	156-59-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: Lennox International/BISC
Pace Project No.: 92725763

Sample: MW-2 **Lab ID: 92725763017** Collected: 04/17/24 10:35 Received: 04/18/24 09:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		04/24/24 10:18	10061-01-5	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.40	1		04/24/24 10:18	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		04/24/24 10:18	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		04/24/24 10:18	460-00-4	
1,2-Dichloroethane-d4 (S)	109	%	70-130		1		04/24/24 10:18	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		04/24/24 10:18	2037-26-5	
8260D MSV SIM	Analytical Method: EPA 8260D Mod. Pace Analytical Services - Charlotte								
1,4-Dioxane (p-Dioxane)	**1.2J**	ug/L	2.0	0.86	1		04/19/24 17:42	123-91-1	C8
Surrogates									
1,2-Dichloroethane-d4 (S)	92	%	67-130		1		04/19/24 17:42	17060-07-0	
Toluene-d8 (S)	91	%	70-130		1		04/19/24 17:42	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: Lennox International/BISC
Pace Project No.: 92725763

Sample: MW-2D **Lab ID: 92725763018** Collected: 04/17/24 09:45 Received: 04/18/24 09:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
1,1,1-Trichloroethane	ND	ug/L	1.0	0.33	1		04/24/24 10:37	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		04/24/24 10:37	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.32	1		04/24/24 10:37	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.32	1		04/24/24 10:37	76-13-1	
1,1-Dichloroethane	ND	ug/L	1.0	0.37	1		04/24/24 10:37	75-34-3	
1,1-Dichloroethene	ND	ug/L	1.0	0.35	1		04/24/24 10:37	75-35-4	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		04/24/24 10:37	120-82-1	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		04/24/24 10:37	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		04/24/24 10:37	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		04/24/24 10:37	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/24/24 10:37	107-06-2	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		04/24/24 10:37	78-87-5	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		04/24/24 10:37	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		04/24/24 10:37	106-46-7	
2-Butanone (MEK)	ND	ug/L	10.0	4.0	1		04/24/24 10:37	78-93-3	
2-Hexanone	ND	ug/L	10.0	0.48	1		04/24/24 10:37	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	2.7	1		04/24/24 10:37	108-10-1	
Acetone	ND	ug/L	25.0	5.1	1		04/24/24 10:37	67-64-1	
Benzene	ND	ug/L	1.0	0.34	1		04/24/24 10:37	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		04/24/24 10:37	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		04/24/24 10:37	75-25-2	v2
Bromomethane	ND	ug/L	2.0	1.7	1		04/24/24 10:37	74-83-9	v2
Carbon disulfide	ND	ug/L	2.0	0.36	1		04/24/24 10:37	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		04/24/24 10:37	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		04/24/24 10:37	108-90-7	
Chloroethane	ND	ug/L	2.0	0.65	1		04/24/24 10:37	75-00-3	
Chloroform	ND	ug/L	1.0	0.43	1		04/24/24 10:37	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		04/24/24 10:37	74-87-3	
Cyclohexane	ND	ug/L	1.0	0.35	1		04/24/24 10:37	110-82-7	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		04/24/24 10:37	124-48-1	
Dichlorodifluoromethane	ND	ug/L	2.0	0.35	1		04/24/24 10:37	75-71-8	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/24/24 10:37	100-41-4	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.33	1		04/24/24 10:37	98-82-8	
Methyl acetate	ND	ug/L	10.0	2.4	1		04/24/24 10:37	79-20-9	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/24/24 10:37	1634-04-4	
Methylcyclohexane	ND	ug/L	10.0	1.5	1		04/24/24 10:37	108-87-2	
Methylene Chloride	ND	ug/L	5.0	2.0	1		04/24/24 10:37	75-09-2	
Styrene	ND	ug/L	1.0	0.29	1		04/24/24 10:37	100-42-5	
Tetrachloroethene	**0.69J**	ug/L	1.0	0.29	1		04/24/24 10:37	127-18-4	
Toluene	ND	ug/L	1.0	0.24	1		04/24/24 10:37	108-88-3	
Trichloroethene	ND	ug/L	1.0	0.38	1		04/24/24 10:37	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		04/24/24 10:37	75-69-4	
Vinyl chloride	ND	ug/L	1.0	0.39	1		04/24/24 10:37	75-01-4	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/24/24 10:37	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.38	1		04/24/24 10:37	156-59-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: Lennox International/BISC
Pace Project No.: 92725763

Sample: MW-2D **Lab ID: 92725763018** Collected: 04/17/24 09:45 Received: 04/18/24 09:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		04/24/24 10:37	10061-01-5	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.40	1		04/24/24 10:37	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		04/24/24 10:37	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		04/24/24 10:37	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	70-130		1		04/24/24 10:37	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		04/24/24 10:37	2037-26-5	
8260D MSV SIM	Analytical Method: EPA 8260D Mod. Pace Analytical Services - Charlotte								
1,4-Dioxane (p-Dioxane)	ND	ug/L	2.0	0.86	1		04/19/24 18:02	123-91-1	
Surrogates									
1,2-Dichloroethane-d4 (S)	97	%	67-130		1		04/19/24 18:02	17060-07-0	
Toluene-d8 (S)	93	%	70-130		1		04/19/24 18:02	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: Lennox International/BISC
Pace Project No.: 92725763

Sample: MW-8 **Lab ID: 92725763019** Collected: 04/17/24 07:50 Received: 04/18/24 09:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
1,1,1-Trichloroethane	ND	ug/L	1.0	0.33	1		04/24/24 10:55	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		04/24/24 10:55	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.32	1		04/24/24 10:55	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.32	1		04/24/24 10:55	76-13-1	
1,1-Dichloroethane	ND	ug/L	1.0	0.37	1		04/24/24 10:55	75-34-3	
1,1-Dichloroethene	ND	ug/L	1.0	0.35	1		04/24/24 10:55	75-35-4	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		04/24/24 10:55	120-82-1	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		04/24/24 10:55	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		04/24/24 10:55	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		04/24/24 10:55	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/24/24 10:55	107-06-2	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		04/24/24 10:55	78-87-5	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		04/24/24 10:55	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		04/24/24 10:55	106-46-7	
2-Butanone (MEK)	ND	ug/L	10.0	4.0	1		04/24/24 10:55	78-93-3	
2-Hexanone	ND	ug/L	10.0	0.48	1		04/24/24 10:55	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	2.7	1		04/24/24 10:55	108-10-1	
Acetone	ND	ug/L	25.0	5.1	1		04/24/24 10:55	67-64-1	
Benzene	ND	ug/L	1.0	0.34	1		04/24/24 10:55	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		04/24/24 10:55	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		04/24/24 10:55	75-25-2	v2
Bromomethane	ND	ug/L	2.0	1.7	1		04/24/24 10:55	74-83-9	v2
Carbon disulfide	ND	ug/L	2.0	0.36	1		04/24/24 10:55	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		04/24/24 10:55	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		04/24/24 10:55	108-90-7	
Chloroethane	ND	ug/L	2.0	0.65	1		04/24/24 10:55	75-00-3	
Chloroform	ND	ug/L	1.0	0.43	1		04/24/24 10:55	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		04/24/24 10:55	74-87-3	
Cyclohexane	ND	ug/L	1.0	0.35	1		04/24/24 10:55	110-82-7	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		04/24/24 10:55	124-48-1	
Dichlorodifluoromethane	ND	ug/L	2.0	0.35	1		04/24/24 10:55	75-71-8	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/24/24 10:55	100-41-4	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.33	1		04/24/24 10:55	98-82-8	
Methyl acetate	ND	ug/L	10.0	2.4	1		04/24/24 10:55	79-20-9	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/24/24 10:55	1634-04-4	
Methylcyclohexane	ND	ug/L	10.0	1.5	1		04/24/24 10:55	108-87-2	
Methylene Chloride	ND	ug/L	5.0	2.0	1		04/24/24 10:55	75-09-2	
Styrene	ND	ug/L	1.0	0.29	1		04/24/24 10:55	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	0.29	1		04/24/24 10:55	127-18-4	
Toluene	ND	ug/L	1.0	0.24	1		04/24/24 10:55	108-88-3	
Trichloroethene	ND	ug/L	1.0	0.38	1		04/24/24 10:55	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		04/24/24 10:55	75-69-4	
Vinyl chloride	ND	ug/L	1.0	0.39	1		04/24/24 10:55	75-01-4	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/24/24 10:55	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.38	1		04/24/24 10:55	156-59-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: Lennox International/BISC
Pace Project No.: 92725763

Sample: MW-8 **Lab ID: 92725763019** Collected: 04/17/24 07:50 Received: 04/18/24 09:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		04/24/24 10:55	10061-01-5	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.40	1		04/24/24 10:55	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		04/24/24 10:55	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		04/24/24 10:55	460-00-4	
1,2-Dichloroethane-d4 (S)	111	%	70-130		1		04/24/24 10:55	17060-07-0	
Toluene-d8 (S)	104	%	70-130		1		04/24/24 10:55	2037-26-5	
8260D MSV SIM	Analytical Method: EPA 8260D Mod. Pace Analytical Services - Charlotte								
1,4-Dioxane (p-Dioxane)	ND	ug/L	2.0	0.86	1		04/19/24 18:21	123-91-1	
Surrogates									
1,2-Dichloroethane-d4 (S)	97	%	67-130		1		04/19/24 18:21	17060-07-0	
Toluene-d8 (S)	92	%	70-130		1		04/19/24 18:21	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: Lennox International/BISC
Pace Project No.: 92725763

Sample: EB-01-04172024 **Lab ID: 92725763020** Collected: 04/17/24 13:25 Received: 04/18/24 09:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
1,1,1-Trichloroethane	ND	ug/L	1.0	0.33	1		04/24/24 08:07	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		04/24/24 08:07	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.32	1		04/24/24 08:07	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.32	1		04/24/24 08:07	76-13-1	
1,1-Dichloroethane	ND	ug/L	1.0	0.37	1		04/24/24 08:07	75-34-3	
1,1-Dichloroethene	ND	ug/L	1.0	0.35	1		04/24/24 08:07	75-35-4	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		04/24/24 08:07	120-82-1	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		04/24/24 08:07	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		04/24/24 08:07	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		04/24/24 08:07	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/24/24 08:07	107-06-2	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		04/24/24 08:07	78-87-5	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		04/24/24 08:07	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		04/24/24 08:07	106-46-7	
2-Butanone (MEK)	ND	ug/L	10.0	4.0	1		04/24/24 08:07	78-93-3	
2-Hexanone	ND	ug/L	10.0	0.48	1		04/24/24 08:07	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	2.7	1		04/24/24 08:07	108-10-1	
Acetone	ND	ug/L	25.0	5.1	1		04/24/24 08:07	67-64-1	
Benzene	ND	ug/L	1.0	0.34	1		04/24/24 08:07	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		04/24/24 08:07	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		04/24/24 08:07	75-25-2	v2
Bromomethane	ND	ug/L	2.0	1.7	1		04/24/24 08:07	74-83-9	v2
Carbon disulfide	ND	ug/L	2.0	0.36	1		04/24/24 08:07	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		04/24/24 08:07	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		04/24/24 08:07	108-90-7	
Chloroethane	ND	ug/L	2.0	0.65	1		04/24/24 08:07	75-00-3	
Chloroform	ND	ug/L	1.0	0.43	1		04/24/24 08:07	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		04/24/24 08:07	74-87-3	
Cyclohexane	ND	ug/L	1.0	0.35	1		04/24/24 08:07	110-82-7	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		04/24/24 08:07	124-48-1	
Dichlorodifluoromethane	ND	ug/L	2.0	0.35	1		04/24/24 08:07	75-71-8	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/24/24 08:07	100-41-4	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.33	1		04/24/24 08:07	98-82-8	
Methyl acetate	ND	ug/L	10.0	2.4	1		04/24/24 08:07	79-20-9	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/24/24 08:07	1634-04-4	
Methylcyclohexane	ND	ug/L	10.0	1.5	1		04/24/24 08:07	108-87-2	
Methylene Chloride	ND	ug/L	5.0	2.0	1		04/24/24 08:07	75-09-2	
Styrene	ND	ug/L	1.0	0.29	1		04/24/24 08:07	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	0.29	1		04/24/24 08:07	127-18-4	
Toluene	ND	ug/L	1.0	0.24	1		04/24/24 08:07	108-88-3	
Trichloroethene	ND	ug/L	1.0	0.38	1		04/24/24 08:07	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		04/24/24 08:07	75-69-4	
Vinyl chloride	ND	ug/L	1.0	0.39	1		04/24/24 08:07	75-01-4	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/24/24 08:07	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.38	1		04/24/24 08:07	156-59-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: Lennox International/BISC
Pace Project No.: 92725763

Sample: EB-01-04172024 **Lab ID: 92725763020** Collected: 04/17/24 13:25 Received: 04/18/24 09:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		04/24/24 08:07	10061-01-5	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.40	1		04/24/24 08:07	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		04/24/24 08:07	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		04/24/24 08:07	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	70-130		1		04/24/24 08:07	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		04/24/24 08:07	2037-26-5	
8260D MSV SIM	Analytical Method: EPA 8260D Mod. Pace Analytical Services - Charlotte								
1,4-Dioxane (p-Dioxane)	ND	ug/L	2.0	0.86	1		04/19/24 22:38	123-91-1	
Surrogates									
1,2-Dichloroethane-d4 (S)	87	%	67-130		1		04/19/24 22:38	17060-07-0	
Toluene-d8 (S)	96	%	70-130		1		04/19/24 22:38	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: Lennox International/BISC
Pace Project No.: 92725763

Sample: Trip Blank **Lab ID: 92725763021** Collected: 04/17/24 00:00 Received: 04/18/24 09:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
1,1,1-Trichloroethane	ND	ug/L	1.0	0.33	1		04/22/24 12:11	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		04/22/24 12:11	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.32	1		04/22/24 12:11	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.32	1		04/22/24 12:11	76-13-1	
1,1-Dichloroethane	ND	ug/L	1.0	0.37	1		04/22/24 12:11	75-34-3	
1,1-Dichloroethene	ND	ug/L	1.0	0.35	1		04/22/24 12:11	75-35-4	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.64	1		04/22/24 12:11	120-82-1	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	0.34	1		04/22/24 12:11	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		04/22/24 12:11	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.34	1		04/22/24 12:11	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/22/24 12:11	107-06-2	
1,2-Dichloropropane	ND	ug/L	1.0	0.36	1		04/22/24 12:11	78-87-5	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.34	1		04/22/24 12:11	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		04/22/24 12:11	106-46-7	
2-Butanone (MEK)	ND	ug/L	10.0	4.0	1		04/22/24 12:11	78-93-3	
2-Hexanone	ND	ug/L	10.0	0.48	1		04/22/24 12:11	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	2.7	1		04/22/24 12:11	108-10-1	
Acetone	ND	ug/L	25.0	5.1	1		04/22/24 12:11	67-64-1	v2
Benzene	ND	ug/L	1.0	0.34	1		04/22/24 12:11	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	0.31	1		04/22/24 12:11	75-27-4	
Bromoform	ND	ug/L	1.0	0.34	1		04/22/24 12:11	75-25-2	
Bromomethane	ND	ug/L	2.0	1.7	1		04/22/24 12:11	74-83-9	v2
Carbon disulfide	ND	ug/L	2.0	0.36	1		04/22/24 12:11	75-15-0	v2
Carbon tetrachloride	ND	ug/L	1.0	0.33	1		04/22/24 12:11	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.28	1		04/22/24 12:11	108-90-7	
Chloroethane	ND	ug/L	2.0	0.65	1		04/22/24 12:11	75-00-3	v2
Chloroform	ND	ug/L	1.0	0.43	1		04/22/24 12:11	67-66-3	
Chloromethane	ND	ug/L	1.0	0.54	1		04/22/24 12:11	74-87-3	
Cyclohexane	ND	ug/L	1.0	0.35	1		04/22/24 12:11	110-82-7	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		04/22/24 12:11	124-48-1	
Dichlorodifluoromethane	ND	ug/L	2.0	0.35	1		04/22/24 12:11	75-71-8	v2
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/22/24 12:11	100-41-4	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.33	1		04/22/24 12:11	98-82-8	
Methyl acetate	ND	ug/L	10.0	2.4	1		04/22/24 12:11	79-20-9	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/22/24 12:11	1634-04-4	
Methylcyclohexane	ND	ug/L	10.0	1.5	1		04/22/24 12:11	108-87-2	
Methylene Chloride	ND	ug/L	5.0	2.0	1		04/22/24 12:11	75-09-2	v2
Styrene	ND	ug/L	1.0	0.29	1		04/22/24 12:11	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	0.29	1		04/22/24 12:11	127-18-4	
Toluene	ND	ug/L	1.0	0.24	1		04/22/24 12:11	108-88-3	
Trichloroethene	ND	ug/L	1.0	0.38	1		04/22/24 12:11	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		04/22/24 12:11	75-69-4	
Vinyl chloride	ND	ug/L	1.0	0.39	1		04/22/24 12:11	75-01-4	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/22/24 12:11	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.38	1		04/22/24 12:11	156-59-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: Lennox International/BISC
Pace Project No.: 92725763

Sample: Trip Blank **Lab ID: 92725763021** Collected: 04/17/24 00:00 Received: 04/18/24 09:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		04/22/24 12:11	10061-01-5	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.40	1		04/22/24 12:11	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		04/22/24 12:11	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		04/22/24 12:11	460-00-4	
1,2-Dichloroethane-d4 (S)	85	%	70-130		1		04/22/24 12:11	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		04/22/24 12:11	2037-26-5	

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: Lennox International/BISC
Pace Project No.: 92725763

QC Batch: 848583
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260D MSV Low Level
Laboratory: Pace Analytical Services - Charlotte

Associated Lab Samples: 92725763021

METHOD BLANK: 4380969 Matrix: Water
Associated Lab Samples: 92725763021

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	1.0	0.33	04/22/24 11:35	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	0.22	04/22/24 11:35	
1,1,2-Trichloroethane	ug/L	ND	1.0	0.32	04/22/24 11:35	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	0.32	04/22/24 11:35	
1,1-Dichloroethane	ug/L	ND	1.0	0.37	04/22/24 11:35	
1,1-Dichloroethene	ug/L	ND	1.0	0.35	04/22/24 11:35	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	0.64	04/22/24 11:35	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.0	0.34	04/22/24 11:35	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	0.27	04/22/24 11:35	
1,2-Dichlorobenzene	ug/L	ND	1.0	0.34	04/22/24 11:35	
1,2-Dichloroethane	ug/L	ND	1.0	0.32	04/22/24 11:35	
1,2-Dichloropropane	ug/L	ND	1.0	0.36	04/22/24 11:35	
1,3-Dichlorobenzene	ug/L	ND	1.0	0.34	04/22/24 11:35	
1,4-Dichlorobenzene	ug/L	ND	1.0	0.33	04/22/24 11:35	
2-Butanone (MEK)	ug/L	ND	10.0	4.0	04/22/24 11:35	
2-Hexanone	ug/L	ND	10.0	0.48	04/22/24 11:35	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	2.7	04/22/24 11:35	
Acetone	ug/L	ND	25.0	5.1	04/22/24 11:35	v2
Benzene	ug/L	ND	1.0	0.34	04/22/24 11:35	
Bromodichloromethane	ug/L	ND	1.0	0.31	04/22/24 11:35	
Bromoform	ug/L	ND	1.0	0.34	04/22/24 11:35	
Bromomethane	ug/L	ND	2.0	1.7	04/22/24 11:35	v2
Carbon disulfide	ug/L	ND	2.0	0.36	04/22/24 11:35	v2
Carbon tetrachloride	ug/L	ND	1.0	0.33	04/22/24 11:35	
Chlorobenzene	ug/L	ND	1.0	0.28	04/22/24 11:35	
Chloroethane	ug/L	ND	2.0	0.65	04/22/24 11:35	v2
Chloroform	ug/L	ND	1.0	0.43	04/22/24 11:35	
Chloromethane	ug/L	ND	1.0	0.54	04/22/24 11:35	
cis-1,2-Dichloroethene	ug/L	ND	1.0	0.38	04/22/24 11:35	
cis-1,3-Dichloropropene	ug/L	ND	1.0	0.36	04/22/24 11:35	
Cyclohexane	ug/L	ND	1.0	0.35	04/22/24 11:35	
Dibromochloromethane	ug/L	ND	1.0	0.36	04/22/24 11:35	
Dichlorodifluoromethane	ug/L	ND	2.0	0.35	04/22/24 11:35	v2
Ethylbenzene	ug/L	ND	1.0	0.30	04/22/24 11:35	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	0.33	04/22/24 11:35	
Methyl acetate	ug/L	ND	10.0	2.4	04/22/24 11:35	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	04/22/24 11:35	
Methylcyclohexane	ug/L	ND	10.0	1.5	04/22/24 11:35	
Methylene Chloride	ug/L	ND	5.0	2.0	04/22/24 11:35	v2
Styrene	ug/L	ND	1.0	0.29	04/22/24 11:35	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: Lennox International/BISC
Pace Project No.: 92725763

METHOD BLANK: 4380969 Matrix: Water
Associated Lab Samples: 92725763021

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Tetrachloroethene	ug/L	ND	1.0	0.29	04/22/24 11:35	
Toluene	ug/L	ND	1.0	0.24	04/22/24 11:35	
trans-1,2-Dichloroethene	ug/L	ND	1.0	0.40	04/22/24 11:35	
trans-1,3-Dichloropropene	ug/L	ND	1.0	0.36	04/22/24 11:35	
Trichloroethene	ug/L	ND	1.0	0.38	04/22/24 11:35	
Trichlorofluoromethane	ug/L	ND	1.0	0.30	04/22/24 11:35	
Vinyl chloride	ug/L	ND	1.0	0.39	04/22/24 11:35	
Xylene (Total)	ug/L	ND	1.0	0.34	04/22/24 11:35	
1,2-Dichloroethane-d4 (S)	%	84	70-130		04/22/24 11:35	
4-Bromofluorobenzene (S)	%	94	70-130		04/22/24 11:35	
Toluene-d8 (S)	%	100	70-130		04/22/24 11:35	

LABORATORY CONTROL SAMPLE: 4380970

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	20.9	104	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	19.0	95	70-130	
1,1,2-Trichloroethane	ug/L	20	20.9	104	70-130	
1,1,2-Trichlorotrifluoroethane	ug/L	20	19.7	99	70-132	
1,1-Dichloroethane	ug/L	20	18.4	92	70-130	
1,1-Dichloroethene	ug/L	20	17.5	87	69-131	
1,2,4-Trichlorobenzene	ug/L	20	19.8	99	70-130	
1,2-Dibromo-3-chloropropane	ug/L	20	20.6	103	70-130	
1,2-Dibromoethane (EDB)	ug/L	20	21.1	106	70-130	
1,2-Dichlorobenzene	ug/L	20	20.7	103	70-130	
1,2-Dichloroethane	ug/L	20	18.5	93	70-130	
1,2-Dichloropropane	ug/L	20	19.0	95	70-130	
1,3-Dichlorobenzene	ug/L	20	20.9	105	70-130	
1,4-Dichlorobenzene	ug/L	20	21.1	106	70-130	
2-Butanone (MEK)	ug/L	40	31.6	79	67-133	
2-Hexanone	ug/L	40	35.9	90	70-133	
4-Methyl-2-pentanone (MIBK)	ug/L	40	33.5	84	70-130	
Acetone	ug/L	40	29.4	73	67-130	v3
Benzene	ug/L	20	19.9	99	70-130	
Bromodichloromethane	ug/L	20	21.6	108	70-130	
Bromoform	ug/L	20	22.6	113	70-133	
Bromomethane	ug/L	20	13.9	70	41-148	v3
Carbon disulfide	ug/L	20	16.6	83	70-131	v3
Carbon tetrachloride	ug/L	20	25.8	129	70-130	
Chlorobenzene	ug/L	20	20.7	104	70-130	
Chloroethane	ug/L	20	15.4	77	41-157	v3
Chloroform	ug/L	20	18.8	94	70-130	
Chloromethane	ug/L	20	17.0	85	59-141	
cis-1,2-Dichloroethene	ug/L	20	18.2	91	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: Lennox International/BISC
Pace Project No.: 92725763

LABORATORY CONTROL SAMPLE: 4380970

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
cis-1,3-Dichloropropene	ug/L	20	20.1	100	70-130	
Cyclohexane	ug/L	20	19.5	97	63-137	
Dibromochloromethane	ug/L	20	22.2	111	70-130	
Dichlorodifluoromethane	ug/L	20	16.2	81	54-147	v3
Ethylbenzene	ug/L	20	20.3	101	70-130	
Isopropylbenzene (Cumene)	ug/L	20	20.9	105	70-130	
Methyl acetate	ug/L	20	16.1	80	70-130	
Methyl-tert-butyl ether	ug/L	20	17.4	87	70-130	
Methylcyclohexane	ug/L	20	19.6	98	70-130	
Methylene Chloride	ug/L	20	15.4	77	62-130	v3
Styrene	ug/L	20	21.2	106	70-130	
Tetrachloroethene	ug/L	20	22.7	113	70-130	
Toluene	ug/L	20	19.9	100	70-130	
trans-1,2-Dichloroethene	ug/L	20	19.0	95	70-130	
trans-1,3-Dichloropropene	ug/L	20	20.5	102	70-130	
Trichloroethene	ug/L	20	23.5	117	70-130	
Trichlorofluoromethane	ug/L	20	18.4	92	57-130	
Vinyl chloride	ug/L	20	18.0	90	66-140	
Xylene (Total)	ug/L	60	62.1	103	70-130	
1,2-Dichloroethane-d4 (S)	%			86	70-130	
4-Bromofluorobenzene (S)	%			96	70-130	
Toluene-d8 (S)	%			95	70-130	

MATRIX SPIKE SAMPLE: 4380971

Parameter	Units	92725877035 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	20	22.5	113	70-150	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	21.1	106	66-144	
1,1,2-Trichloroethane	ug/L	ND	20	22.0	110	70-142	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	20	25.4	127	66-168	
1,1-Dichloroethane	ug/L	ND	20	22.7	114	68-150	
1,1-Dichloroethene	ug/L	ND	20	23.6	118	64-162	
1,2,4-Trichlorobenzene	ug/L	ND	20	23.0	115	69-147	
1,2-Dibromo-3-chloropropane	ug/L	ND	20	18.5	93	62-146	
1,2-Dibromoethane (EDB)	ug/L	ND	20	21.1	105	70-143	
1,2-Dichlorobenzene	ug/L	ND	20	22.5	113	70-142	
1,2-Dichloroethane	ug/L	ND	20	22.6	113	68-145	
1,2-Dichloropropane	ug/L	ND	20	21.9	110	70-144	
1,3-Dichlorobenzene	ug/L	ND	20	21.7	109	70-142	
1,4-Dichlorobenzene	ug/L	ND	20	21.0	105	70-140	
2-Butanone (MEK)	ug/L	ND	40	36.2	91	57-156	
2-Hexanone	ug/L	ND	40	39.2	98	62-153	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	40	35.6	89	65-144	
Acetone	ug/L	ND	40	46.3	116	49-162	
Benzene	ug/L	ND	20	21.6	108	68-144	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: Lennox International/BISC
Pace Project No.: 92725763

MATRIX SPIKE SAMPLE: 4380971

Parameter	Units	92725877035 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Bromodichloromethane	ug/L	ND	20	22.8	114	70-141	
Bromoform	ug/L	ND	20	18.8	94	59-144	
Bromomethane	ug/L	ND	20	16.8	84	23-190	
Carbon disulfide	ug/L	ND	20	21.5	108	64-160	
Carbon tetrachloride	ug/L	ND	20	20.7	104	70-147	
Chlorobenzene	ug/L	ND	20	21.1	106	70-143	
Chloroethane	ug/L	ND	20	16.5	83	55-190	
Chloroform	ug/L	ND	20	21.1	106	67-148	
Chloromethane	ug/L	ND	20	22.6	113	38-180	
cis-1,2-Dichloroethene	ug/L	ND	20	23.8	119	67-151	
cis-1,3-Dichloropropene	ug/L	ND	20	21.8	109	70-142	
Cyclohexane	ug/L	ND	20	26.1	131	64-162	
Dibromochloromethane	ug/L	ND	20	22.0	110	68-140	
Dichlorodifluoromethane	ug/L	ND	20	25.2	126	15-200	
Ethylbenzene	ug/L	ND	20	22.2	111	70-145	
Isopropylbenzene (Cumene)	ug/L	ND	20	24.0	120	70-144	
Methyl acetate	ug/L	ND	20	20.9	105	62-144	
Methyl-tert-butyl ether	ug/L	ND	20	20.0	100	64-146	
Methylcyclohexane	ug/L	ND	20	23.1	115	70-155	
Methylene Chloride	ug/L	ND	20	22.2	111	54-149	
Styrene	ug/L	ND	20	21.7	109	70-147	
Tetrachloroethene	ug/L	ND	20	21.0	105	70-145	
Toluene	ug/L	ND	20	21.7	108	65-146	
trans-1,2-Dichloroethene	ug/L	ND	20	23.6	118	69-155	
trans-1,3-Dichloropropene	ug/L	ND	20	20.2	101	70-142	
Trichloroethene	ug/L	ND	20	21.8	109	70-152	
Trichlorofluoromethane	ug/L	ND	20	21.5	107	60-158	
Vinyl chloride	ug/L	ND	20	24.3	121	51-178	
Xylene (Total)	ug/L	ND	60	66.2	110	70-146	
1,2-Dichloroethane-d4 (S)	%				100	70-130	
4-Bromofluorobenzene (S)	%				100	70-130	
Toluene-d8 (S)	%				98	70-130	

SAMPLE DUPLICATE: 4380972

Parameter	Units	92725877037 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	ND		30	
1,1,2,2-Tetrachloroethane	ug/L	ND	ND		30	
1,1,2-Trichloroethane	ug/L	ND	ND		30	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	ND		30	
1,1-Dichloroethane	ug/L	ND	ND		30	
1,1-Dichloroethene	ug/L	ND	ND		30	
1,2,4-Trichlorobenzene	ug/L	ND	ND		30	
1,2-Dibromo-3-chloropropane	ug/L	ND	ND		30	
1,2-Dibromoethane (EDB)	ug/L	ND	ND		30	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: Lennox International/BISC
Pace Project No.: 92725763

SAMPLE DUPLICATE: 4380972

Parameter	Units	92725877037 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dichlorobenzene	ug/L	ND	ND		30	
1,2-Dichloroethane	ug/L	ND	ND		30	
1,2-Dichloropropane	ug/L	ND	ND		30	
1,3-Dichlorobenzene	ug/L	ND	ND		30	
1,4-Dichlorobenzene	ug/L	ND	ND		30	
2-Butanone (MEK)	ug/L	ND	ND		30	
2-Hexanone	ug/L	ND	ND		30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	ND		30	
Acetone	ug/L	ND	ND		30	
Benzene	ug/L	ND	ND		30	
Bromodichloromethane	ug/L	ND	ND		30	
Bromoform	ug/L	ND	ND		30	
Bromomethane	ug/L	ND	ND		30	
Carbon disulfide	ug/L	ND	ND		30	
Carbon tetrachloride	ug/L	ND	ND		30	
Chlorobenzene	ug/L	ND	ND		30	
Chloroethane	ug/L	ND	ND		30	
Chloroform	ug/L	ND	ND		30	
Chloromethane	ug/L	ND	ND		30	
cis-1,2-Dichloroethene	ug/L	ND	ND		30	
cis-1,3-Dichloropropene	ug/L	ND	ND		30	
Cyclohexane	ug/L	ND	ND		30	
Dibromochloromethane	ug/L	ND	ND		30	
Dichlorodifluoromethane	ug/L	ND	ND		30	
Ethylbenzene	ug/L	ND	ND		30	
Isopropylbenzene (Cumene)	ug/L	ND	ND		30	
Methyl acetate	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	ND	ND		30	
Methylcyclohexane	ug/L	ND	ND		30	
Methylene Chloride	ug/L	ND	ND		30	
Styrene	ug/L	ND	ND		30	
Tetrachloroethene	ug/L	ND	ND		30	
Toluene	ug/L	ND	ND		30	
trans-1,2-Dichloroethene	ug/L	ND	ND		30	
trans-1,3-Dichloropropene	ug/L	ND	ND		30	
Trichloroethene	ug/L	ND	ND		30	
Trichlorofluoromethane	ug/L	ND	ND		30	
Vinyl chloride	ug/L	ND	ND		30	
Xylene (Total)	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	87	101			
4-Bromofluorobenzene (S)	%	93	98			
Toluene-d8 (S)	%	102	105			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: Lennox International/BISC
Pace Project No.: 92725763

QC Batch: 849164
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260D MSV Low Level
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92725763011, 92725763012, 92725763013, 92725763014, 92725763015, 92725763016, 92725763017, 92725763018, 92725763019, 92725763020

METHOD BLANK: 4383528
Matrix: Water
Associated Lab Samples: 92725763011, 92725763012, 92725763013, 92725763014, 92725763015, 92725763016, 92725763017, 92725763018, 92725763019, 92725763020

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	1.0	0.33	04/24/24 07:49	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	0.22	04/24/24 07:49	
1,1,2-Trichloroethane	ug/L	ND	1.0	0.32	04/24/24 07:49	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	0.32	04/24/24 07:49	
1,1-Dichloroethane	ug/L	ND	1.0	0.37	04/24/24 07:49	
1,1-Dichloroethene	ug/L	ND	1.0	0.35	04/24/24 07:49	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	0.64	04/24/24 07:49	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.0	0.34	04/24/24 07:49	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	0.27	04/24/24 07:49	
1,2-Dichlorobenzene	ug/L	ND	1.0	0.34	04/24/24 07:49	
1,2-Dichloroethane	ug/L	ND	1.0	0.32	04/24/24 07:49	
1,2-Dichloropropane	ug/L	ND	1.0	0.36	04/24/24 07:49	
1,3-Dichlorobenzene	ug/L	ND	1.0	0.34	04/24/24 07:49	
1,4-Dichlorobenzene	ug/L	ND	1.0	0.33	04/24/24 07:49	
2-Butanone (MEK)	ug/L	ND	10.0	4.0	04/24/24 07:49	
2-Hexanone	ug/L	ND	10.0	0.48	04/24/24 07:49	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	2.7	04/24/24 07:49	
Acetone	ug/L	ND	25.0	5.1	04/24/24 07:49	
Benzene	ug/L	ND	1.0	0.34	04/24/24 07:49	
Bromodichloromethane	ug/L	ND	1.0	0.31	04/24/24 07:49	
Bromoform	ug/L	ND	1.0	0.34	04/24/24 07:49	v2
Bromomethane	ug/L	ND	2.0	1.7	04/24/24 07:49	v2
Carbon disulfide	ug/L	ND	2.0	0.36	04/24/24 07:49	
Carbon tetrachloride	ug/L	ND	1.0	0.33	04/24/24 07:49	
Chlorobenzene	ug/L	ND	1.0	0.28	04/24/24 07:49	
Chloroethane	ug/L	ND	2.0	0.65	04/24/24 07:49	
Chloroform	ug/L	ND	1.0	0.43	04/24/24 07:49	
Chloromethane	ug/L	ND	1.0	0.54	04/24/24 07:49	
cis-1,2-Dichloroethene	ug/L	ND	1.0	0.38	04/24/24 07:49	
cis-1,3-Dichloropropene	ug/L	ND	1.0	0.36	04/24/24 07:49	
Cyclohexane	ug/L	ND	1.0	0.35	04/24/24 07:49	
Dibromochloromethane	ug/L	ND	1.0	0.36	04/24/24 07:49	
Dichlorodifluoromethane	ug/L	ND	2.0	0.35	04/24/24 07:49	
Ethylbenzene	ug/L	ND	1.0	0.30	04/24/24 07:49	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	0.33	04/24/24 07:49	
Methyl acetate	ug/L	ND	10.0	2.4	04/24/24 07:49	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	04/24/24 07:49	
Methylcyclohexane	ug/L	ND	10.0	1.5	04/24/24 07:49	
Methylene Chloride	ug/L	ND	5.0	2.0	04/24/24 07:49	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: Lennox International/BISC
Pace Project No.: 92725763

METHOD BLANK: 4383528 Matrix: Water

Associated Lab Samples: 92725763011, 92725763012, 92725763013, 92725763014, 92725763015, 92725763016, 92725763017, 92725763018, 92725763019, 92725763020

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Styrene	ug/L	ND	1.0	0.29	04/24/24 07:49	
Tetrachloroethene	ug/L	ND	1.0	0.29	04/24/24 07:49	
Toluene	ug/L	ND	1.0	0.24	04/24/24 07:49	
trans-1,2-Dichloroethene	ug/L	ND	1.0	0.40	04/24/24 07:49	
trans-1,3-Dichloropropene	ug/L	ND	1.0	0.36	04/24/24 07:49	
Trichloroethene	ug/L	ND	1.0	0.38	04/24/24 07:49	
Trichlorofluoromethane	ug/L	ND	1.0	0.30	04/24/24 07:49	
Vinyl chloride	ug/L	ND	1.0	0.39	04/24/24 07:49	
Xylene (Total)	ug/L	ND	1.0	0.34	04/24/24 07:49	
1,2-Dichloroethane-d4 (S)	%	108	70-130		04/24/24 07:49	
4-Bromofluorobenzene (S)	%	98	70-130		04/24/24 07:49	
Toluene-d8 (S)	%	103	70-130		04/24/24 07:49	

LABORATORY CONTROL SAMPLE: 4383529

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	18.2	91	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	19.9	99	70-130	
1,1,2-Trichloroethane	ug/L	20	18.5	93	70-130	
1,1,2-Trichlorotrifluoroethane	ug/L	20	16.8	84	70-132	
1,1-Dichloroethane	ug/L	20	21.0	105	70-130	
1,1-Dichloroethene	ug/L	20	20.3	102	69-131	
1,2,4-Trichlorobenzene	ug/L	20	17.0	85	70-130	
1,2-Dibromo-3-chloropropane	ug/L	20	16.5	83	70-130	
1,2-Dibromoethane (EDB)	ug/L	20	18.2	91	70-130	
1,2-Dichlorobenzene	ug/L	20	19.1	96	70-130	
1,2-Dichloroethane	ug/L	20	21.5	107	70-130	
1,2-Dichloropropane	ug/L	20	19.7	98	70-130	
1,3-Dichlorobenzene	ug/L	20	18.5	93	70-130	
1,4-Dichlorobenzene	ug/L	20	19.4	97	70-130	
2-Butanone (MEK)	ug/L	40	44.8	112	67-133	
2-Hexanone	ug/L	40	43.2	108	70-133	
4-Methyl-2-pentanone (MIBK)	ug/L	40	41.4	103	70-130	
Acetone	ug/L	40	46.8	117	67-130	
Benzene	ug/L	20	19.6	98	70-130	
Bromodichloromethane	ug/L	20	20.4	102	70-130	
Bromoform	ug/L	20	16.1	80	70-133	v3
Bromomethane	ug/L	20	10.8	54	41-148	v3
Carbon disulfide	ug/L	20	19.7	98	70-131	
Carbon tetrachloride	ug/L	20	17.4	87	70-130	
Chlorobenzene	ug/L	20	19.2	96	70-130	
Chloroethane	ug/L	20	15.9	80	41-157	
Chloroform	ug/L	20	19.1	96	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: Lennox International/BISC
Pace Project No.: 92725763

LABORATORY CONTROL SAMPLE: 4383529

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloromethane	ug/L	20	16.7	84	59-141	
cis-1,2-Dichloroethene	ug/L	20	21.3	107	70-130	
cis-1,3-Dichloropropene	ug/L	20	18.8	94	70-130	
Cyclohexane	ug/L	20	17.7	88	63-137	
Dibromochloromethane	ug/L	20	18.3	91	70-130	
Dichlorodifluoromethane	ug/L	20	17.2	86	54-147	
Ethylbenzene	ug/L	20	19.4	97	70-130	
Isopropylbenzene (Cumene)	ug/L	20	18.5	92	70-130	
Methyl acetate	ug/L	20	22.0	110	70-130	
Methyl-tert-butyl ether	ug/L	20	19.9	100	70-130	
Methylcyclohexane	ug/L	20	17.2	86	70-130	
Methylene Chloride	ug/L	20	23.0	115	62-130	
Styrene	ug/L	20	18.8	94	70-130	
Tetrachloroethene	ug/L	20	19.0	95	70-130	
Toluene	ug/L	20	18.8	94	70-130	
trans-1,2-Dichloroethene	ug/L	20	20.7	103	70-130	
trans-1,3-Dichloropropene	ug/L	20	18.5	93	70-130	
Trichloroethene	ug/L	20	17.9	89	70-130	
Trichlorofluoromethane	ug/L	20	16.0	80	57-130	
Vinyl chloride	ug/L	20	18.6	93	66-140	
Xylene (Total)	ug/L	60	56.1	94	70-130	
1,2-Dichloroethane-d4 (S)	%			114	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE SAMPLE: 4383530

Parameter	Units	92726223001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	20	25.0	125	70-150	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	26.0	130	66-144	
1,1,2-Trichloroethane	ug/L	ND	20	25.2	126	70-142	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	20	26.4	132	66-168	
1,1-Dichloroethane	ug/L	ND	20	27.1	135	68-150	
1,1-Dichloroethene	ug/L	ND	20	27.4	137	64-162	
1,2,4-Trichlorobenzene	ug/L	ND	20	23.9	119	69-147	
1,2-Dibromo-3-chloropropane	ug/L	ND	20	24.2	121	62-146	
1,2-Dibromoethane (EDB)	ug/L	ND	20	28.1	141	70-143	
1,2-Dichlorobenzene	ug/L	ND	20	22.5	112	70-142	
1,2-Dichloroethane	ug/L	ND	20	24.8	124	68-145	
1,2-Dichloropropane	ug/L	ND	20	25.6	128	70-144	
1,3-Dichlorobenzene	ug/L	ND	20	22.7	113	70-142	
1,4-Dichlorobenzene	ug/L	ND	20	22.4	112	70-140	
2-Butanone (MEK)	ug/L	ND	40	54.7	137	57-156	
2-Hexanone	ug/L	ND	40	51.8	130	62-153	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	40	48.7	122	65-144	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: Lennox International/BISC
Pace Project No.: 92725763

MATRIX SPIKE SAMPLE: 4383530

Parameter	Units	92726223001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Acetone	ug/L	ND	40	49.3	123	49-162	
Benzene	ug/L	ND	20	25.4	127	68-144	
Bromodichloromethane	ug/L	ND	20	25.9	130	70-141	
Bromoform	ug/L	ND	20	25.7	129	59-144	v3
Bromomethane	ug/L	ND	20	20.7	103	23-190	
Carbon disulfide	ug/L	ND	20	26.3	131	64-160	
Carbon tetrachloride	ug/L	ND	20	23.3	117	70-147	
Chlorobenzene	ug/L	ND	20	24.6	123	70-143	
Chloroethane	ug/L	ND	20	26.1	131	55-190	
Chloroform	ug/L	ND	20	26.1	131	67-148	
Chloromethane	ug/L	ND	20	26.0	130	38-180	
cis-1,2-Dichloroethene	ug/L	ND	20	26.8	134	67-151	
cis-1,3-Dichloropropene	ug/L	ND	20	25.9	130	70-142	
Cyclohexane	ug/L	ND	20	26.0	130	64-162	
Dibromochloromethane	ug/L	ND	20	27.3	136	68-140	
Dichlorodifluoromethane	ug/L	ND	20	26.1	131	15-200	
Ethylbenzene	ug/L	ND	20	23.1	115	70-145	
Isopropylbenzene (Cumene)	ug/L	ND	20	23.1	115	70-144	
Methyl acetate	ug/L	ND	20	24.5	122	62-144	
Methyl-tert-butyl ether	ug/L	ND	20	26.8	134	64-146	
Methylcyclohexane	ug/L	ND	20	24.7	124	70-155	
Methylene Chloride	ug/L	ND	20	25.5	128	54-149	
Styrene	ug/L	ND	20	24.0	120	70-147	
Tetrachloroethene	ug/L	ND	20	23.2	116	70-145	
Toluene	ug/L	ND	20	23.0	115	65-146	
trans-1,2-Dichloroethene	ug/L	ND	20	27.9	139	69-155	
trans-1,3-Dichloropropene	ug/L	ND	20	25.6	128	70-142	
Trichloroethene	ug/L	ND	20	24.4	122	70-152	
Trichlorofluoromethane	ug/L	ND	20	24.0	120	60-158	
Vinyl chloride	ug/L	ND	20	25.6	128	51-178	
Xylene (Total)	ug/L	ND	60	70.2	117	70-146	
1,2-Dichloroethane-d4 (S)	%				97	70-130	
4-Bromofluorobenzene (S)	%				98	70-130	
Toluene-d8 (S)	%				97	70-130	

SAMPLE DUPLICATE: 4383531

Parameter	Units	92726085001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	ND		30	
1,1,2,2-Tetrachloroethane	ug/L	ND	ND		30	
1,1,2-Trichloroethane	ug/L	ND	ND		30	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	ND		30	
1,1-Dichloroethane	ug/L	ND	ND		30	
1,1-Dichloroethene	ug/L	ND	ND		30	
1,2,4-Trichlorobenzene	ug/L	ND	ND		30	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: Lennox International/BISC
Pace Project No.: 92725763

SAMPLE DUPLICATE: 4383531

Parameter	Units	92726085001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	ND	ND		30	
1,2-Dibromoethane (EDB)	ug/L	ND	ND		30	
1,2-Dichlorobenzene	ug/L	ND	ND		30	
1,2-Dichloroethane	ug/L	ND	ND		30	
1,2-Dichloropropane	ug/L	ND	ND		30	
1,3-Dichlorobenzene	ug/L	ND	ND		30	
1,4-Dichlorobenzene	ug/L	ND	ND		30	
2-Butanone (MEK)	ug/L	ND	ND		30	
2-Hexanone	ug/L	ND	ND		30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	ND		30	
Acetone	ug/L	ND	ND		30	
Benzene	ug/L	ND	ND		30	
Bromodichloromethane	ug/L	ND	ND		30	
Bromoform	ug/L	ND	ND		30	v2
Bromomethane	ug/L	ND	ND		30	
Carbon disulfide	ug/L	ND	ND		30	
Carbon tetrachloride	ug/L	ND	ND		30	
Chlorobenzene	ug/L	ND	ND		30	
Chloroethane	ug/L	ND	ND		30	
Chloroform	ug/L	ND	ND		30	
Chloromethane	ug/L	ND	ND		30	
cis-1,2-Dichloroethene	ug/L	ND	ND		30	
cis-1,3-Dichloropropene	ug/L	ND	ND		30	
Cyclohexane	ug/L	ND	ND		30	
Dibromochloromethane	ug/L	ND	ND		30	
Dichlorodifluoromethane	ug/L	ND	ND		30	
Ethylbenzene	ug/L	ND	ND		30	
Isopropylbenzene (Cumene)	ug/L	ND	ND		30	
Methyl acetate	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	ND	ND		30	
Methylcyclohexane	ug/L	ND	ND		30	
Methylene Chloride	ug/L	ND	ND		30	
Styrene	ug/L	ND	ND		30	
Tetrachloroethene	ug/L	ND	ND		30	
Toluene	ug/L	ND	ND		30	
trans-1,2-Dichloroethene	ug/L	ND	ND		30	
trans-1,3-Dichloropropene	ug/L	ND	ND		30	
Trichloroethene	ug/L	ND	ND		30	
Trichlorofluoromethane	ug/L	ND	ND		30	
Vinyl chloride	ug/L	ND	ND		30	
Xylene (Total)	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	112	101			
4-Bromofluorobenzene (S)	%	97	96			
Toluene-d8 (S)	%	102	99			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
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(770)734-4200

QUALITY CONTROL DATA

Project: Lennox International/BISC
Pace Project No.: 92725763

QC Batch: 848120
QC Batch Method: EPA 8260D Mod.
Analysis Method: EPA 8260D Mod.
Analysis Description: 8260D MSV SIM
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92725763020

METHOD BLANK: 4378976 Matrix: Water
Associated Lab Samples: 92725763020

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	ND	2.0	0.86	04/19/24 21:54	
1,2-Dichloroethane-d4 (S)	%	88	67-130		04/19/24 21:54	
Toluene-d8 (S)	%	96	70-130		04/19/24 21:54	

LABORATORY CONTROL SAMPLE: 4378977

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	20	19.6	98	70-130	
1,2-Dichloroethane-d4 (S)	%			91	67-130	
Toluene-d8 (S)	%			96	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4378978 4378979

Parameter	Units	92725617005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,4-Dioxane (p-Dioxane)	ug/L	ND	20	20	18.6	19.9	93	100	55-137	7	30	
1,2-Dichloroethane-d4 (S)	%						86	86	67-130		30	
Toluene-d8 (S)	%						95	96	70-130		30	

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REPORT OF LABORATORY ANALYSIS

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110 Technology Parkway
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(770)734-4200

QUALITY CONTROL DATA

Project: Lennox International/BISC
Pace Project No.: 92725763

QC Batch: 848121
QC Batch Method: EPA 8260D Mod.
Analysis Method: EPA 8260D Mod.
Analysis Description: 8260D MSV SIM
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92725763011, 92725763012, 92725763013, 92725763014, 92725763015, 92725763017, 92725763018, 92725763019

METHOD BLANK: 4378980 Matrix: Water
Associated Lab Samples: 92725763011, 92725763012, 92725763013, 92725763014, 92725763015, 92725763017, 92725763018, 92725763019

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	ND	2.0	0.86	04/19/24 08:41	
1,2-Dichloroethane-d4 (S)	%	91	67-130		04/19/24 08:41	
Toluene-d8 (S)	%	92	70-130		04/19/24 08:41	

LABORATORY CONTROL SAMPLE: 4378981

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	20	18.1	91	70-130	
1,2-Dichloroethane-d4 (S)	%			91	67-130	
Toluene-d8 (S)	%			92	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4378982 4378983

Parameter	Units	92725617006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,4-Dioxane (p-Dioxane)	ug/L	ND	20	20	17.4	17.7	87	89	55-137	2	30	
1,2-Dichloroethane-d4 (S)	%						94	98	67-130		30	
Toluene-d8 (S)	%						93	93	70-130		30	

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REPORT OF LABORATORY ANALYSIS

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(770)734-4200

QUALITY CONTROL DATA

Project: Lennox International/BISC
Pace Project No.: 92725763

QC Batch: 848230
QC Batch Method: EPA 8260D Mod.
Analysis Method: EPA 8260D Mod.
Analysis Description: 8260D MSV SIM
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92725763016

METHOD BLANK: 4379276 Matrix: Water
Associated Lab Samples: 92725763016

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	ND	2.0	0.86	04/19/24 09:06	
1,2-Dichloroethane-d4 (S)	%	86	67-130		04/19/24 09:06	
Toluene-d8 (S)	%	95	70-130		04/19/24 09:06	

LABORATORY CONTROL SAMPLE: 4379277

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	20	19.4	97	70-130	
1,2-Dichloroethane-d4 (S)	%			88	67-130	
Toluene-d8 (S)	%			96	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4379278 4379279

Parameter	Units	92725504005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,4-Dioxane (p-Dioxane)	ug/L	39.0	20	20	57.7	57.4	94	92	55-137	0	30	
1,2-Dichloroethane-d4 (S)	%						89	87	67-130		30	
Toluene-d8 (S)	%						95	95	70-130		30	

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REPORT OF LABORATORY ANALYSIS

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110 Technology Parkway
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(770)734-4200

QUALITY CONTROL DATA

Project: Lennox International/BISC
Pace Project No.: 92725763

QC Batch: 848175
QC Batch Method: SM 2320B-2011
Analysis Method: SM 2320B-2011
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92725763001

METHOD BLANK: 4379133 Matrix: Water
Associated Lab Samples: 92725763001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	04/19/24 20:50	

LABORATORY CONTROL SAMPLE: 4379134

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.0	102	80-120	

LABORATORY CONTROL SAMPLE: 4379135

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	50.9	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4379136 4379137

Parameter	Units	92725615001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	29.8	50	50	78.8	78.1	98	97	80-120	1	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4379138 4379139

Parameter	Units	92725615002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	26.6	50	50	75.6	76.1	98	99	80-120	1	25	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Lennox International/BISC
Pace Project No.: 92725763

QC Batch: 848726
QC Batch Method: SM 2320B-2011
Analysis Method: SM 2320B-2011
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92725763002, 92725763003, 92725763004, 92725763005, 92725763006, 92725763007, 92725763008, 92725763010

METHOD BLANK: 4381281 Matrix: Water
Associated Lab Samples: 92725763002, 92725763003, 92725763004, 92725763005, 92725763006, 92725763007, 92725763008, 92725763010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	04/22/24 12:47	

LABORATORY CONTROL SAMPLE: 4381282

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	52.4	105	80-120	

LABORATORY CONTROL SAMPLE: 4381283

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.2	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4381284 4381285

Parameter	Units	92725763002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	6.4	50	50	54.5	54.9	96	97	80-120	1	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4381286 4381287

Parameter	Units	92725763004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	ND	50	50	53.1	53.0	101	100	80-120	0	25	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: Lennox International/BISC
Pace Project No.: 92725763

QC Batch: 847809
QC Batch Method: SM 4500-S2D-2011
Analysis Method: SM 4500-S2D-2011
Analysis Description: 4500S2D Sulfide Water
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92725763001, 92725763002, 92725763003, 92725763004, 92725763005

METHOD BLANK: 4377154 Matrix: Water
Associated Lab Samples: 92725763001, 92725763002, 92725763003, 92725763004, 92725763005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/L	ND	0.10	0.022	04/18/24 04:36	

LABORATORY CONTROL SAMPLE: 4377155

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	0.5	0.52	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4377156 4377157

Parameter	Units	92725786001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	0.5	0.5	0.64	0.64	124	125	80-120	1	10	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4377158 4377159

Parameter	Units	92725786008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	0.5	0.5	0.38	0.38	76	76	80-120	1	10	M1

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: Lennox International/BISC
Pace Project No.: 92725763

QC Batch: 847810
QC Batch Method: SM 4500-S2D-2011
Analysis Method: SM 4500-S2D-2011
Analysis Description: 4500S2D Sulfide Water
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92725763006, 92725763007, 92725763008, 92725763009, 92725763010

METHOD BLANK: 4377160 Matrix: Water
Associated Lab Samples: 92725763006, 92725763007, 92725763008, 92725763009, 92725763010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/L	ND	0.10	0.022	04/18/24 04:47	

LABORATORY CONTROL SAMPLE: 4377161

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	0.5	0.52	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4377164 4377165

Parameter	Units	92725792006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	0.067J	0.5	0.5	0.030J	ND	-8	-13	80-120		10	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4377170 4377171

Parameter	Units	92725763007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	0.5	0.5	0.50	0.54	100	109	80-120	8	10	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
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(770)734-4200

QUALITY CONTROL DATA

Project: Lennox International/BISC
Pace Project No.: 92725763

QC Batch: 847879
QC Batch Method: EPA 353.2 Rev 2.0 1993
Analysis Method: EPA 353.2 Rev 2.0 1993
Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92725763001, 92725763002, 92725763003, 92725763004, 92725763005, 92725763006, 92725763007, 92725763008, 92725763010

METHOD BLANK: 4377452 Matrix: Water
Associated Lab Samples: 92725763001, 92725763002, 92725763003, 92725763004, 92725763005, 92725763006, 92725763007, 92725763008, 92725763010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.020	0.0039	04/18/24 12:41	

LABORATORY CONTROL SAMPLE: 4377453

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1.5	1.6	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4377454 4377455

Parameter	Units	92725803002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Nitrate	mg/L	15.4	1.5	1.5	17.2	17.1	123	114	90-110	1	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4377456 4377457

Parameter	Units	92725763008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Nitrate	mg/L	0.022	1.5	1.5	1.6	1.6	104	104	90-110	1	10	

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REPORT OF LABORATORY ANALYSIS

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110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: Lennox International/BISC
Pace Project No.: 92725763

QC Batch: 847844
QC Batch Method: EPA 9056A
Analysis Method: EPA 9056A
Analysis Description: 9056 IC anions 28 Days
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92725763001, 92725763002, 92725763003, 92725763004, 92725763005, 92725763006, 92725763007, 92725763008, 92725763010

METHOD BLANK: 4377237 Matrix: Water
Associated Lab Samples: 92725763001, 92725763002, 92725763003, 92725763004, 92725763005, 92725763006, 92725763007, 92725763008, 92725763010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	04/18/24 21:56	
Sulfate	mg/L	ND	1.0	0.50	04/18/24 21:56	

LABORATORY CONTROL SAMPLE: 4377238

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	51.6	103	90-110	
Sulfate	mg/L	50	50.9	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4377239 4377240

Parameter	Units	92725763001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	7.4	50	50	54.4	54.7	94	95	90-110	1	10	
Sulfate	mg/L	ND	50	50	45.9	46.2	92	92	90-110	1	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4377241 4377242

Parameter	Units	92725259005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	2.3	50	50	49.3	49.1	94	94	90-110	1	10	
Sulfate	mg/L	319	50	50	354	353	69	68	90-110	0	10	M1

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Lennox International/BISC
Pace Project No.: 92725763

QC Batch: 848753
QC Batch Method: EPA 9060A
Analysis Method: EPA 9060A
Analysis Description: 9060 TOC, AVL
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92725763001, 92725763002, 92725763003, 92725763004, 92725763005, 92725763006, 92725763007, 92725763008, 92725763009, 92725763010

METHOD BLANK: 4381419 Matrix: Water
Associated Lab Samples: 92725763001, 92725763002, 92725763003, 92725763004, 92725763005, 92725763006, 92725763007, 92725763008, 92725763009, 92725763010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mean Total Organic Carbon	mg/L	ND	1.0	0.50	04/23/24 04:15	

LABORATORY CONTROL SAMPLE: 4381420

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mean Total Organic Carbon	mg/L	25	25.9	103	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4381421 4381422

Parameter	Units	92725435001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mean Total Organic Carbon	mg/L	ND	25	25	26.1	26.2	105	105	75-125	0	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4381423 4381424

Parameter	Units	92725435002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mean Total Organic Carbon	mg/L	ND	25	25	26.2	26.1	102	102	75-125	0	25	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALIFIERS

Project: Lennox International/BISC
Pace Project No.: 92725763

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

C8	Result may be biased high due to carryover from previously analyzed sample.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
v2	The continuing calibration verification was below the method acceptance limit. The analyte was not detected in the associated samples and the sensitivity of the instrument was verified with a reporting limit check standard.
v3	The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have low bias.

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Lennox International/BISC
Pace Project No.: 92725763

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92725763011	**MW-17**	EPA 8260D	849164		
92725763012	**MW-14**	EPA 8260D	849164		
92725763013	**MW-11**	EPA 8260D	849164		
92725763014	**MW-5**	EPA 8260D	849164		
92725763015	**MW-3D**	EPA 8260D	849164		
92725763016	**MW-3**	EPA 8260D	849164		
92725763017	**MW-2**	EPA 8260D	849164		
92725763018	**MW-2D**	EPA 8260D	849164		
92725763019	**MW-8**	EPA 8260D	849164		
92725763020	**EB-01-04172024**	EPA 8260D	849164		
92725763021	**Trip Blank**	EPA 8260D	848583		
92725763011	**MW-17**	EPA 8260D Mod.	848121		
92725763012	**MW-14**	EPA 8260D Mod.	848121		
92725763013	**MW-11**	EPA 8260D Mod.	848121		
92725763014	**MW-5**	EPA 8260D Mod.	848121		
92725763015	**MW-3D**	EPA 8260D Mod.	848121		
92725763016	**MW-3**	EPA 8260D Mod.	848230		
92725763017	**MW-2**	EPA 8260D Mod.	848121		
92725763018	**MW-2D**	EPA 8260D Mod.	848121		
92725763019	**MW-8**	EPA 8260D Mod.	848121		
92725763020	**EB-01-04172024**	EPA 8260D Mod.	848120		
92725763001	**MW-17**	SM 2320B-2011	848175		
92725763002	**MW-14**	SM 2320B-2011	848726		
92725763003	**MW-11**	SM 2320B-2011	848726		
92725763004	**MW-5**	SM 2320B-2011	848726		
92725763005	**MW-3D**	SM 2320B-2011	848726		
92725763006	**MW-3**	SM 2320B-2011	848726		
92725763007	**MW-2**	SM 2320B-2011	848726		
92725763008	**MW-2D**	SM 2320B-2011	848726		
92725763010	**EB-01-04172024**	SM 2320B-2011	848726		
92725763001	**MW-17**	SM 4500-S2D-2011	847809		
92725763002	**MW-14**	SM 4500-S2D-2011	847809		
92725763003	**MW-11**	SM 4500-S2D-2011	847809		
92725763004	**MW-5**	SM 4500-S2D-2011	847809		
92725763005	**MW-3D**	SM 4500-S2D-2011	847809		
92725763006	**MW-3**	SM 4500-S2D-2011	847810		
92725763007	**MW-2**	SM 4500-S2D-2011	847810		
92725763008	**MW-2D**	SM 4500-S2D-2011	847810		
92725763009	**MW-8**	SM 4500-S2D-2011	847810		
92725763010	**EB-01-04172024**	SM 4500-S2D-2011	847810		
92725763001	**MW-17**	EPA 353.2 Rev 2.0 1993	847879		
92725763002	**MW-14**	EPA 353.2 Rev 2.0 1993	847879		
92725763003	**MW-11**	EPA 353.2 Rev 2.0 1993	847879		
92725763004	**MW-5**	EPA 353.2 Rev 2.0 1993	847879		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Lennox International/BISC
Pace Project No.: 92725763

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92725763005	**MW-3D**	EPA 353.2 Rev 2.0 1993	847879		
92725763006	**MW-3**	EPA 353.2 Rev 2.0 1993	847879		
92725763007	**MW-2**	EPA 353.2 Rev 2.0 1993	847879		
92725763008	**MW-2D**	EPA 353.2 Rev 2.0 1993	847879		
92725763010	**EB-01-04172024**	EPA 353.2 Rev 2.0 1993	847879		
92725763001	**MW-17**	EPA 9056A	847844		
92725763002	**MW-14**	EPA 9056A	847844		
92725763003	**MW-11**	EPA 9056A	847844		
92725763004	**MW-5**	EPA 9056A	847844		
92725763005	**MW-3D**	EPA 9056A	847844		
92725763006	**MW-3**	EPA 9056A	847844		
92725763007	**MW-2**	EPA 9056A	847844		
92725763008	**MW-2D**	EPA 9056A	847844		
92725763010	**EB-01-04172024**	EPA 9056A	847844		
92725763001	**MW-17**	EPA 9060A	848753		
92725763002	**MW-14**	EPA 9060A	848753		
92725763003	**MW-11**	EPA 9060A	848753		
92725763004	**MW-5**	EPA 9060A	848753		
92725763005	**MW-3D**	EPA 9060A	848753		
92725763006	**MW-3**	EPA 9060A	848753		
92725763007	**MW-2**	EPA 9060A	848753		
92725763008	**MW-2D**	EPA 9060A	848753		
92725763009	**MW-8**	EPA 9060A	848753		
92725763010	**EB-01-04172024**	EPA 9060A	848753		

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PACE ANALYTICAL SERVICES, LLC

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Telephone No. 803-791-9700 Fax No. 803-791-9111
www.pacelabs.com

Number 154761

Client: WSP
Address:
City: State: Zip Code:
Project Name: Lennox B/SC
Project No.: P.O. No.:

Report to Contact: Mary Ann Brookshire
Sampler's Signature: X [signature]
Printed Name: Steve Tyler / Nick Williams

Telephone No. / E-mail: (404) 317-7748 / maryann.brookshire@wsp.com
Analysis (Attach list if more space is needed)

Quote No.:
Page 1 of 3
Lot # Bar Code (lab use only): 92725763

Sample ID / Description (Containers for each sample may be combined on one line.)	Collection Date(s)	Collection Time (Military)	G=Grab C=Composite	Aqueous	Solid	Non-Aqueous	Unpres.	H2SO4	HNO3	HCl	NaOH	5035 Kit	Field Filtered	VOA 8260D	1,4-dioxane SIM 8260D	Diss Gases RSK 175						Remarks / Cooler I.D.
MW-17	4/17/24	1130	G	X			2			5				X	X	X						001
MW-14	↓	1000	↓	X			2			5				X	X	X						002
MW-11		1220		X			2			5				X	X	X						003
MW-5		1300		X			2			5				X	X	X						004
MW-3D		1220		X			2			5				X	X	X						005
MW-3		1130		X			2			5				X	X	X						006
MW-2		1035		X			2			5				X	X	X						007
MW-2D		0945		X			2			5				X	X	X						008
MW-8		0750		X			2			5				X	X	X						009
EB-01-04172024	↓	1325	↓	X			2			5				X	X	X						010

Turn Around Time Required (Prior lab approval required for expedited TAT.) ☒ Standard ☐ Rush (Specify)

Sample Disposal: ☐ Return to Client ☒ Disposal by Lab

Possible Hazard Identification: ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

QC Requirements (Specify)

Relinquished by	Date	Time	Received by	Date	Time
1. Relinquished by [signature]	4/17/24	1545	1. Received by		
2. Relinquished by [signature]	4/17/24	1800	2. Received by		
3. Relinquished by			3. Received by		
4. Relinquished by			4. Laboratory received by [signature]	4/17/24	1545

Note: All samples are retained for four weeks from receipt unless other arrangements are made.

LAB USE ONLY
Received on ice (Circle) Yes No Ice Pack
Receipt Temp. 5.2 °C
Temp Blank ☐ Y ☐ N

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

FOR HUNTERSVILLE

GMM Pace HV 4/18/24 0920

Document Number: ME003N2-01

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Telephone No. 803-791-9700 Fax No. 803-791-9111
www.pacelabs.com

Number 154762

Client: WSP	Report to Contact: Mary Ann Brookshire	Telephone No. / E-mail: (404) 317-7745 / maryann.brookshire@wsp.com	Quote No.
Address	Sampler's Signature: X	Analysis (Attach list if more space is needed)	Page 2 of 3
City / State / Zip Code	Printed Name: Steve Tyler / Nick Williams		Lot # Bar Code (lab use only): 9272763
Project Name: Lennox B/SC			
Project No.	P.O. No.		

Sample ID / Description (Containers for each sample may be combined on one line.)	Collection Date(s)	Collection Time (Military)	G=Grab C=Composite	Matrix: Aqueous	Solid	Non-Aqueous	Unpres.	H2SO4	HNO3	HCl	NaOH	5035 Kit	Field Filtered	Diss Gases RSK 175	Trip Blank 8260D	Remarks / Cooler I.D.
Trip Blank	—	—	G	X						2					X	011
MW-7	4/17/24	0820		X						2				X		012
MW-6R		0835		X						2				X		013
MW-15		0850		X						2				X		014
MW-1		0845		X						2				X		015
MW-10		0855		X						2				X		016
MW-4		0830		X						2				X		017
MW-40		0820		X						2				X		018
~~MW-6R~~ MW-10		~~0835~~ 0915		X						2				X		019
MW-16		0750		X						2				X		020

Turn Around Time Required (Prior lab approval required for expedited TAT.) ☒ Standard ☐ Rush (Specify)

Sample Disposal ☐ Return to Client ☒ Disposal by Lab

Possible Hazard Identification ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

QC Requirements (Specify)

1. Relinquished by	Date 4/17/24	Time 1545	1. Received by	Date	Time
2. Relinquished by	Date 4/17/24	Time 1800	2. Received by	Date	Time
3. Relinquished by	Date	Time	3. Received by	Date	Time
4. Relinquished by	Date	Time	4. Laboratory received by	Date 4/17/24	Time 1545

Note: All samples are retained for four weeks from receipt unless other arrangements are made.

LAB USE ONLY
Received on ice (Circle) Yes No Ice Pack
Receipt Temp. 5.2 °C
Temp Blank ☐ Y ☐ N

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

FOR HUNTERSVILLE

GMU Pace 4/18/24 0920

Document Number: ME003N2-01

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Number 154763

Client: WSP	Report to Contact: Mary Ann Brookshire	Telephone No. / E-mail: (402)317-7748/maryann.brookshire@wsp.com	Quote No.
Address	Sampler's Signature: X	Analysis (Attach list if more space is needed)	Page 3 of 3
City / State / Zip Code	Printed Name: Steve Tyler / Nick Williams		Lot # Bar Code (lab use only): 92725763
Project Name: Lennox B/SC			
Project No.	P.O. No.		

Sample ID / Description (Containers for each sample may be combined on one line.)	Collection Date(s)	Collection Time (Military)	G=Grab C=Composite	Matrix: Aqueous	Solid	Non-Aqueous	Unpres.	No of Containers by Preservative Type: H2SO4	HNO3	HCl	NaOH	5035 Kit	Field Filtered	Diss Gases RSK 175	Remarks / Cooler I.D.
MW-18	4/17/24	0805	G	X						2				X	021
DUP-01-GW-04162024		1330		X						2				X	022

Turn Around Time Required (Prior lab approval required for expedited TAT.) ☒ Standard ☐ Rush (Specify)

Sample Disposal ☐ Return to Client ☒ Disposal by Lab

Possible Hazard Identification ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished by	4/17/24	1545	1. Received by		
2. Relinquished by	4/17/24	1800	2. Received by		
3. Relinquished by			3. Received by		
4. Relinquished by			4. Laboratory received by	4/17/24	1545

Note: All samples are retained for four weeks from receipt unless other arrangements are made.

LAB USE ONLY Received on ice (Circle) Yes No Ice Pack — Receipt Temp. 5.2 °C — Temp Blank ☐ Y ☐ N

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

FOR HUNTERSVILLE

GMN Pace HM 4/18/24 0930

Document Number: ME003N2-01

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☑ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Sample Condition Upon Receipt

Client Name: WSP

Project #: **WO# : 92725763**

92725763

Courier: ☐ Commercial ☐ Fed Ex ☑ Pace ☐ UPS ☐ USPS ☐ Other:____ ☐ Client

Custody Seal Present? ☐ Yes ☑ No Seals Intact? ☐ Yes ☐ No ☐ N/A

Date/Initials Person Examining Contents: 4/18/24

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer: ☐ IR Gun ID: 92768

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 5.2 Correction Factor: Add/Subtract (°C) 0

Cooler Temp Corrected (°C): 5.2

Temp should be above freezing to 6°C
☐ Samples out of temp criteria. Samples on ice, cooling process has begun

USDA Regulated Soil (☐ N/A, water sample)
Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☐ No	☑ N/A	8.
Sample Labels Match COC? -Includes Date/Time/ID/Analysis Matrix: WT	☑ Yes	☐ No	☐ N/A	9.
Headspace in VOA Vials (>5-6mm)?	☑ Yes	☐ No	☐ N/A	10.
Trip Blank Present?	☑ Yes	☐ No	☐ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☑ No	☐ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____

Pace Analytical

Sample Receiving Non-Conformance Form (NCF)

Date: 4/18/24	**Evaluated by:** BMN
Client: WSP	

WO#: 92725763
PM: MP Due Date: 04/29/24
CLIENT: GA-WoodAtl

1. If Chain-of-Custody (COC) is not received: contact client and if necessary, fill out a COC and indicate that it was filled out by lab personnel. Note issues on this NCF.

2. If COC is incomplete, check applicable issues below and add details where appropriate:

	Collection date/time missing or incorrect		Analyses or analytes: missing or clarification needed	✓	Samples listed on COC do not match samples received (missing, additional, etc.)
	Sample IDs on COC do not match sample labels		Required trip blanks were not received		Required signatures are missing

Comments/Details/Other Issues not listed above:
received extra pair of trip blanks

3. Sample integrity issues: check applicable issues below and add details where appropriate:

	Samples: Past holding time		Samples: Condition needs to be brought to lab personnel's attention (details below)		Preservation: Improper
	Samples: Not field filtered		Containers: Broken or compromised		Temperature: not within acceptance criteria (typically 0-6C)
	Samples: Insufficient volume received		Containers: Incorrect		Temperature: Samples arrived frozen
	Samples: Cooler damaged or compromised		Custody Seals: Missing or compromised on samples, trip blanks or coolers		Vials received with improper headspace
	Samples: contain chlorine or sulfides		Packing Material: Insufficient/Improper		Other:

Comments/Details:

4. If Samples not preserved properly and Sample Receiving adjusts pH, add details below:

Sample ID:	Date/Time:	Amount/type pres added:
Preserved by:	Initial and Final pH:	Lot # of pres added:
Sample ID:	Date/Time:	Amount/type pres added:
Preserved by:	Initial and Final pH:	Lot # of pres added:
Sample ID:	Date/Time:	Amount/type pres added:
Preserved by:	Initial and Final pH:	Lot # of pres added:

5. Client Contact: If client is contacted for any issue listed above, fill in details below:

Client:	Contacted per:	
PM Initials:	Date/Time:	

Client Comments/Instructions:

F-ALL-C-011-rev.00, 05Jul2018

WO#: 92725763

PM: MP Due Date: 04/29/24

CLIENT: GA-WoodAtl

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

Project #

(1)

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZNAcetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG9A-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9Y-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3F-250 mL Plastic (NH4)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9J-40 mL Amber Unpreserved vials (N/A)
1																5		2											
2																5		2											
3																5		2											
4																5		2											
5																5		2											
6																5		2											
7																5		2											
8																5		2											
9																5		2											
10																5/5		2											
11																													
12																													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Project #

(2)

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
1																4													
2																2													
3																2													
4																2													
5																2													
6																2													
7																2													
8																2													
9																2													
10																2													
11																													
12																													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Project #

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
1																2													
2																1													
3																													
4																													
5																													
6																													
7																													
8																													
9																													
10																													
11																													
12																													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

Report of Analysis

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
Attention: Miaya Parks

Project Name: Lennox International/BISC

Project Number: 92725763

Lot Number:**ZD22031**

Date Completed:05/02/2024

05/02/2024 9:50 AM
Approved and released by:
Client Services Tech 1: **Brooke Speers**

The electronic signature above is the equivalent of a handwritten signature.

Case Narrative
Pace Analytical Services, LLC
Lot Number: ZD22031

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

All results listed in this report relate only to the samples that are contained within this report. Where sampling is conducted by the client, results relate to the accuracy of the information provided, and as the samples are received.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved The NELAC Institute (TNI) standards, the Pace Analytical Services, LLC ("Pace") Laboratory Quality Manual, standard operating procedures (SOPs), and Pace policies. Any exceptions to the TNI standards, the Laboratory Quality Manual, SOPs or policies are qualified on the results page or discussed below.

Pace is a TNI accredited laboratory; however, the following analyses are currently not listed on our TNI scope of accreditation: E. coli and Total coliforms SM 9223 B-2004, Solid Chemical Material: TOC Walkley-Black, Biological Tissue: All, Non-Potable Water: SGT-HEM EPA 1664B, Silica EPA 200.7, Boron, Calcium, Silicon, Strontium EPA 200.8, Bicarbonate, Carbonate, and Hydroxide Alkalinity SM 2320 B-2011, SM 9221 C E-2006 & SM 9222D-2006, Strontium SW-846 6010D, VOC SM 6200 B-2011, Fecal Coliform Colilert-18. If you have any questions regarding this report, please contact the Pace Project Manager listed on the cover page.

Sample Summary
Pace Analytical Services, LLC
Lot Number: ZD22031
Project Name: Lennox International/BISC
Project Number: 92725763

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	MW-17	Aqueous	04/17/2024 1130	04/22/2024
002	MW-14	Aqueous	04/17/2024 1000	04/22/2024
003	MW-11	Aqueous	04/17/2024 1220	04/22/2024
004	MW-5	Aqueous	04/17/2024 1300	04/22/2024
005	MW-3D	Aqueous	04/17/2024 1220	04/22/2024
006	MW-3	Aqueous	04/17/2024 1130	04/22/2024
007	MW-2	Aqueous	04/17/2024 1035	04/22/2024
008	MW-2D	Aqueous	04/17/2024 0945	04/22/2024
009	MW-8	Aqueous	04/17/2024 0750	04/22/2024
010	EB-01-04172024	Aqueous	04/17/2024 1325	04/22/2024
011	MW-7	Aqueous	04/17/2024 0820	04/22/2024
012	MW-6R	Aqueous	04/17/2024 0835	04/22/2024
013	MW-15	Aqueous	04/17/2024 0850	04/22/2024
014	MW-1	Aqueous	04/17/2024 0845	04/22/2024
015	MW-1D	Aqueous	04/17/2024 0855	04/22/2024
016	MW-4	Aqueous	04/17/2024 0830	04/22/2024
017	MW-4D	Aqueous	04/17/2024 0820	04/22/2024
018	MW-10	Aqueous	04/17/2024 0913	04/22/2024
019	MW-16	Aqueous	04/17/2024 0750	04/22/2024
020	MW-18	Aqueous	04/17/2024 0805	04/22/2024
021	DUP-01-GW-04162024	Aqueous	04/17/2024 1330	04/22/2024

(21 samples)

Detection Summary

Pace Analytical Services, LLC

Lot Number: ZD22031

Project Name: Lennox International/BISC

Project Number: 92725763

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
002	MW-14	Aqueous	Methane	RSK - 175	250		ug/L	6
003	MW-11	Aqueous	Methane	RSK - 175	230		ug/L	7
004	MW-5	Aqueous	Methane	RSK - 175	2000		ug/L	8
006	MW-3	Aqueous	Ethane	RSK - 175	25		ug/L	10
006	MW-3	Aqueous	Ethene	RSK - 175	120		ug/L	10
006	MW-3	Aqueous	Methane	RSK - 175	24000		ug/L	10
011	MW-7	Aqueous	Ethene	RSK - 175	80		ug/L	15
011	MW-7	Aqueous	Methane	RSK - 175	850		ug/L	15
014	MW-1	Aqueous	Methane	RSK - 175	400		ug/L	18
018	MW-10	Aqueous	Methane	RSK - 175	80		ug/L	22

(10 detections)

Dissolved Gases

Client: **Pace Analytical Services, LLC** Laboratory ID: **ZD22031-001**

Description: **MW-17** Matrix: **Aqueous**

Date Sampled: **04/17/2024 1130** Project Name: **Lennox International/BISC**

Date Received: **04/22/2024** Project Number: **92725763**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		RSK - 175	1	04/26/2024 2243	RAD		10762

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Ethane	74-84-0	RSK - 175	ND		10	ug/L	1
Ethene	74-85-1	RSK - 175	ND		10	ug/L	1
Methane	74-82-8	RSK - 175	ND		10	ug/L	1

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Dissolved Gases

Client: **Pace Analytical Services, LLC** Laboratory ID: **ZD22031-002**

Description: **MW-14** Matrix: **Aqueous**

Date Sampled: **04/17/2024 1000** Project Name: **Lennox International/BISC**

Date Received: **04/22/2024** Project Number: **92725763**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		RSK - 175	1	04/26/2024 2259	RAD		10762

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Ethane	74-84-0	RSK - 175	ND		10	ug/L	1
Ethene	74-85-1	RSK - 175	ND		10	ug/L	1
Methane	**74-82-8**	**RSK - 175**	**250**		**10**	**ug/L**	**1**

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Dissolved Gases

Client: **Pace Analytical Services, LLC** Laboratory ID: **ZD22031-003**

Description: **MW-11** Matrix: **Aqueous**

Date Sampled: **04/17/2024 1220** Project Name: **Lennox International/BISC**

Date Received: **04/22/2024** Project Number: **92725763**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		RSK - 175	1	04/26/2024 2315	RAD		10762

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Ethane	74-84-0	RSK - 175	ND		10	ug/L	1
Ethene	74-85-1	RSK - 175	ND		10	ug/L	1
Methane	**74-82-8**	**RSK - 175**	**230**		**10**	**ug/L**	**1**

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Dissolved Gases

Client: **Pace Analytical Services, LLC** Laboratory ID: **ZD22031-004**

Description: **MW-5** Matrix: **Aqueous**

Date Sampled: **04/17/2024 1300** Project Name: **Lennox International/BISC**

Date Received: **04/22/2024** Project Number: **92725763**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		RSK - 175	1	04/26/2024 2358	RAD		10762

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Ethane	74-84-0	RSK - 175	ND		10	ug/L	1
Ethene	74-85-1	RSK - 175	ND		10	ug/L	1
Methane	**74-82-8**	**RSK - 175**	**2000**		**10**	**ug/L**	**1**

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Dissolved Gases

Client: **Pace Analytical Services, LLC** Laboratory ID: **ZD22031-005**

Description: **MW-3D** Matrix: **Aqueous**

Date Sampled: **04/17/2024 1220** Project Name: **Lennox International/BISC**

Date Received: **04/22/2024** Project Number: **92725763**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		RSK - 175	1	04/27/2024 0014	RAD		10762

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Ethane	74-84-0	RSK - 175	ND		10	ug/L	1
Ethene	74-85-1	RSK - 175	ND		10	ug/L	1
Methane	74-82-8	RSK - 175	ND		10	ug/L	1

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Dissolved Gases

Client: **Pace Analytical Services, LLC** Laboratory ID: **ZD22031-006**

Description: **MW-3** Matrix: **Aqueous**

Date Sampled: **04/17/2024 1130** Project Name: **Lennox International/BISC**

Date Received: **04/22/2024** Project Number: **92725763**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		RSK - 175	1	04/27/2024 0030	RAD		10762
2		RSK - 175	50	04/30/2024 2143	RAD		10914

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Ethane	**74-84-0**	**RSK - 175**	**25**		**10**	**ug/L**	**1**
Ethene	**74-85-1**	**RSK - 175**	**120**		**10**	**ug/L**	**1**
Methane	**74-82-8**	**RSK - 175**	**24000**		**500**	**ug/L**	**2**

LOQ = Limit of Quantitation
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
Q = Surrogate failure
ND = Not detected at or above the LOQ
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
L = LCS/LCSD failure
H = Out of holding time
W = Reported on wet weight basis
S = MS/MSD failure

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Dissolved Gases

Client: **Pace Analytical Services, LLC** Laboratory ID: **ZD22031-007**

Description: **MW-2** Matrix: **Aqueous**

Date Sampled: **04/17/2024 1035** Project Name: **Lennox International/BISC**

Date Received: **04/22/2024** Project Number: **92725763**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		RSK - 175	1	04/27/2024 0046	RAD		10762

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Ethane	74-84-0	RSK - 175	ND		10	ug/L	1
Ethene	74-85-1	RSK - 175	ND		10	ug/L	1
Methane	74-82-8	RSK - 175	ND		10	ug/L	1

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Dissolved Gases

Client: **Pace Analytical Services, LLC** Laboratory ID: **ZD22031-008**

Description: **MW-2D** Matrix: **Aqueous**

Date Sampled: **04/17/2024 0945** Project Name: **Lennox International/BISC**

Date Received: **04/22/2024** Project Number: **92725763**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		RSK - 175	1	04/27/2024 0102	RAD		10762

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Ethane	74-84-0	RSK - 175	ND		10	ug/L	1
Ethene	74-85-1	RSK - 175	ND		10	ug/L	1
Methane	74-82-8	RSK - 175	ND		10	ug/L	1

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Dissolved Gases

Client: **Pace Analytical Services, LLC** Laboratory ID: **ZD22031-009**

Description: **MW-8** Matrix: **Aqueous**

Date Sampled: **04/17/2024 0750** Project Name: **Lennox International/BISC**

Date Received: **04/22/2024** Project Number: **92725763**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		RSK - 175	1	04/27/2024 0118	RAD		10762

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Ethane	74-84-0	RSK - 175	ND		10	ug/L	1
Ethene	74-85-1	RSK - 175	ND		10	ug/L	1
Methane	74-82-8	RSK - 175	ND		10	ug/L	1

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Dissolved Gases

Client: **Pace Analytical Services, LLC** Laboratory ID: **ZD22031-010**

Description: **EB-01-04172024** Matrix: **Aqueous**

Date Sampled: **04/17/2024 1325** Project Name: **Lennox International/BISC**

Date Received: **04/22/2024** Project Number: **92725763**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		RSK - 175	1	04/27/2024 0134	RAD		10762

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Ethane	74-84-0	RSK - 175	ND		10	ug/L	1
Ethene	74-85-1	RSK - 175	ND		10	ug/L	1
Methane	74-82-8	RSK - 175	ND		10	ug/L	1

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Dissolved Gases

Client: **Pace Analytical Services, LLC** Laboratory ID: **ZD22031-011**

Description: **MW-7** Matrix: **Aqueous**

Date Sampled: **04/17/2024 0820** Project Name: **Lennox International/BISC**

Date Received: **04/22/2024** Project Number: **92725763**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		RSK - 175	1	04/27/2024 1729	RAD		10777

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Ethane	74-84-0	RSK - 175	ND		10	ug/L	1
Ethene	**74-85-1**	**RSK - 175**	**80**		**10**	**ug/L**	**1**
Methane	**74-82-8**	**RSK - 175**	**850**		**10**	**ug/L**	**1**

LOQ = Limit of Quantitation	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range	Q = Surrogate failure
ND = Not detected at or above the LOQ	N = Recovery is out of criteria	P = The RPD between two GC columns exceeds 40%	L = LCS/LCSD failure
H = Out of holding time	W = Reported on wet weight basis		S = MS/MSD failure

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Dissolved Gases

Client: **Pace Analytical Services, LLC** Laboratory ID: **ZD22031-012**

Description: **MW-6R** Matrix: **Aqueous**

Date Sampled: **04/17/2024 0835** Project Name: **Lennox International/BISC**

Date Received: **04/22/2024** Project Number: **92725763**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		RSK - 175	1	04/27/2024 1745	RAD		10777

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Ethane	74-84-0	RSK - 175	ND		10	ug/L	1
Ethene	74-85-1	RSK - 175	ND		10	ug/L	1
Methane	74-82-8	RSK - 175	ND		10	ug/L	1

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Dissolved Gases

Client: **Pace Analytical Services, LLC** Laboratory ID: **ZD22031-013**

Description: **MW-15** Matrix: **Aqueous**

Date Sampled: **04/17/2024 0850** Project Name: **Lennox International/BISC**

Date Received: **04/22/2024** Project Number: **92725763**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		RSK - 175	1	04/27/2024 1801	RAD		10777

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Ethane	74-84-0	RSK - 175	ND		10	ug/L	1
Ethene	74-85-1	RSK - 175	ND		10	ug/L	1
Methane	74-82-8	RSK - 175	ND		10	ug/L	1

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Dissolved Gases

Client: **Pace Analytical Services, LLC** Laboratory ID: **ZD22031-014**

Description: **MW-1** Matrix: **Aqueous**

Date Sampled: **04/17/2024 0845** Project Name: **Lennox International/BISC**

Date Received: **04/22/2024** Project Number: **92725763**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		RSK - 175	1	04/27/2024 1817	RAD		10777

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Ethane	74-84-0	RSK - 175	ND		10	ug/L	1
Ethene	74-85-1	RSK - 175	ND		10	ug/L	1
Methane	**74-82-8**	**RSK - 175**	**400**		**10**	**ug/L**	**1**

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
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Dissolved Gases

Client: **Pace Analytical Services, LLC** Laboratory ID: **ZD22031-015**

Description: **MW-1D** Matrix: **Aqueous**

Date Sampled: **04/17/2024 0855** Project Name: **Lennox International/BISC**

Date Received: **04/22/2024** Project Number: **92725763**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		RSK - 175	1	04/27/2024 1833	RAD		10777

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Ethane	74-84-0	RSK - 175	ND		10	ug/L	1
Ethene	74-85-1	RSK - 175	ND		10	ug/L	1
Methane	74-82-8	RSK - 175	ND		10	ug/L	1

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Dissolved Gases

Client: **Pace Analytical Services, LLC** Laboratory ID: **ZD22031-016**

Description: **MW-4** Matrix: **Aqueous**

Date Sampled: **04/17/2024 0830** Project Name: **Lennox International/BISC**

Date Received: **04/22/2024** Project Number: **92725763**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		RSK - 175	1	04/27/2024 1849	RAD		10777

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Ethane	74-84-0	RSK - 175	ND		10	ug/L	1
Ethene	74-85-1	RSK - 175	ND		10	ug/L	1
Methane	74-82-8	RSK - 175	ND		10	ug/L	1

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Dissolved Gases

Client: **Pace Analytical Services, LLC** Laboratory ID: **ZD22031-017**

Description: **MW-4D** Matrix: **Aqueous**

Date Sampled: **04/17/2024 0820** Project Name: **Lennox International/BISC**

Date Received: **04/22/2024** Project Number: **92725763**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		RSK - 175	1	04/27/2024 1905	RAD		10777

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Ethane	74-84-0	RSK - 175	ND		10	ug/L	1
Ethene	74-85-1	RSK - 175	ND		10	ug/L	1
Methane	74-82-8	RSK - 175	ND		10	ug/L	1

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Dissolved Gases

Client: **Pace Analytical Services, LLC** Laboratory ID: **ZD22031-018**

Description: **MW-10** Matrix: **Aqueous**

Date Sampled: **04/17/2024 0913** Project Name: **Lennox International/BISC**

Date Received: **04/22/2024** Project Number: **92725763**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		RSK - 175	1	04/27/2024 1920	RAD		10777

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Ethane	74-84-0	RSK - 175	ND		10	ug/L	1
Ethene	74-85-1	RSK - 175	ND		10	ug/L	1
Methane	**74-82-8**	**RSK - 175**	**80**		**10**	**ug/L**	**1**

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Dissolved Gases

Client: **Pace Analytical Services, LLC** Laboratory ID: **ZD22031-019**

Description: **MW-16** Matrix: **Aqueous**

Date Sampled: **04/17/2024 0750** Project Name: **Lennox International/BISC**

Date Received: **04/22/2024** Project Number: **92725763**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		RSK - 175	1	04/27/2024 1936	RAD		10777

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Ethane	74-84-0	RSK - 175	ND		10	ug/L	1
Ethene	74-85-1	RSK - 175	ND		10	ug/L	1
Methane	74-82-8	RSK - 175	ND		10	ug/L	1

LOQ = Limit of Quantitation
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
Q = Surrogate failure
ND = Not detected at or above the LOQ
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
L = LCS/LCSD failure
H = Out of holding time
W = Reported on wet weight basis
S = MS/MSD failure

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Dissolved Gases

Client: **Pace Analytical Services, LLC** Laboratory ID: **ZD22031-020**

Description: **MW-18** Matrix: **Aqueous**

Date Sampled: **04/17/2024 0805** Project Name: **Lennox International/BISC**

Date Received: **04/22/2024** Project Number: **92725763**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		RSK - 175	1	04/27/2024 1952	RAD		10777

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Ethane	74-84-0	RSK - 175	ND		10	ug/L	1
Ethene	74-85-1	RSK - 175	ND		10	ug/L	1
Methane	74-82-8	RSK - 175	ND		10	ug/L	1

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Dissolved Gases

Client: **Pace Analytical Services, LLC** Laboratory ID: **ZD22031-021**

Description: **DUP-01-GW-04162024** Matrix: **Aqueous**

Date Sampled: **04/17/2024 1330** Project Name: **Lennox International/BISC**

Date Received: **04/22/2024** Project Number: **92725763**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		RSK - 175	1	04/27/2024 2022	RAD		10777

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Ethane	74-84-0	RSK - 175	ND		10	ug/L	1
Ethene	74-85-1	RSK - 175	ND		10	ug/L	1
Methane	74-82-8	RSK - 175	ND		10	ug/L	1

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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QC Summary

Dissolved Gases - MB

Sample ID: ZQ10762-001
Batch: 10762
Analytical Method: RSK - 175
Matrix: Aqueous

Parameter	Result	Q	Dil	LOQ	Units	Analysis Date
Ethane	ND		1	10	ug/L	04/26/2024 2023
Ethene	ND		1	10	ug/L	04/26/2024 2023
Methane	ND		1	10	ug/L	04/26/2024 2023

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

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

Dissolved Gases - LCS

Sample ID: ZQ10762-002
Batch: 10762
Analytical Method: RSK - 175
Matrix: Aqueous

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Ethane	550	540		1	98	70-130	04/26/2024 1940
Ethene	520	520		1	100	70-130	04/26/2024 1940
Methane	300	280		1	96	70-130	04/26/2024 1940

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

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

Dissolved Gases - MB

Sample ID: ZQ10777-001
Batch: 10777
Analytical Method: RSK - 175
Matrix: Aqueous

Parameter	Result	Q	Dil	LOQ	Units	Analysis Date
Ethane	ND		1	10	ug/L	04/27/2024 1658
Ethene	ND		1	10	ug/L	04/27/2024 1658
Methane	ND		1	10	ug/L	04/27/2024 1658

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

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

Dissolved Gases - LCS

Sample ID: ZQ10777-002
Batch: 10777
Analytical Method: RSK - 175
Matrix: Aqueous

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Ethane	550	570		1	103	70-130	04/27/2024 1629
Ethene	520	540		1	105	70-130	04/27/2024 1629
Methane	300	290		1	99	70-130	04/27/2024 1629

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

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

Dissolved Gases - MB

Sample ID: ZQ10914-001
Batch: 10914
Analytical Method: RSK - 175
Matrix: Aqueous

Parameter	Result	Q	Dil	LOQ	Units	Analysis Date
Methane	ND		1	10	ug/L	04/30/2024 1806

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

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

Dissolved Gases - LCS

Sample ID: ZQ10914-002
Batch: 10914
Analytical Method: RSK - 175
Matrix: Aqueous

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Methane	300	300		1	102	70-130	04/30/2024 1625

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

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

Chain of Custody
and
Miscellaneous Documents

Internal Transfer Chain of Custody

Workorder: 92725763 Workorder Name: Lennox International/BISC

☐ Rush Multiplier_____X
☐ Samples Pre-Logged into eCOC

State Of Origin: SC
Cert. Needed: ☐ Yes ☐ No
Owner Received Date: 4/18/2024 Results Requested By: 4/29/2024

Report To
Maiya Parks
Pace Analytical Atlanta
110 Technology Parkway
Peachtree Corners, GA 30092
Phone 770-734-4205

Subcontract To
Pace Analytical West Columbia
106 Vantage Point Drive
West Columbia, SC 29172
Phone (803)791-9700

ZD22031

JSH

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: HCL	Requested Analysis: Headspace, RSK 175	LAB USE ONLY
1	MW-17	PS	4/17/2024 11:30	92725763011	Water	2	X	
2	MW-14	PS	4/17/2024 10:00	92725763012	Water	2	X	
3	MW-11	PS	4/17/2024 12:20	92725763013	Water	2	X	
4	MW-5	PS	4/17/2024 13:00	92725763014	Water	2	X	
5	MW-3D	PS	4/17/2024 12:20	92725763015	Water	2	X	
6	MW-3	PS	4/17/2024 11:30	92725763016	Water	2	X	
7	MW-2	PS	4/17/2024 10:35	92725763017	Water	2	X	
8	MW-2D	PS	4/17/2024 09:45	92725763018	Water	2	X	
9	MW-8	PS	4/17/2024 07:50	92725763019	Water	2	X	
10	EB-01-04172024	PS	4/17/2024 13:25	92725763020	Water	2	X	
11	MW-7	PS	4/17/2024 08:20	92725763022	Water	2	X	
12	MW-6R	PS	4/17/2024 08:35	92725763023	Water	2	X	
13	MW-15	PS	4/17/2024 08:50	92725763024	Water	2	X	
14	MW-1	PS	4/17/2024 08:45	92725763025	Water	2	X	
15	MW-1D	PS	4/17/2024 08:55	92725763026	Water	2	X	
16	MW-4	PS	4/17/2024 08:30	92725763027	Water	2	X	
17	MW-4D	PS	4/17/2024 08:20	92725763028	Water	2	X	
18	MW-10	PS	4/17/2024 09:13	92725763029	Water	2	X	
19	MW-16	PS	4/17/2024 07:50	92725763030	Water	2	X	

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Internal Transfer Chain of Custody

Pace

☐ Rush Multiplier_____X
☐ Samples Pre-Logged Into eCOC

Workorder: 92725763 Workorder Name: Lennox International/BISC

State Of Origin: SC
Cert. Needed: ☐ Yes ☐ No
Owner Received Date: 4/18/2024 Results Requested By: 4/29/2024

Report To	Subcontract To
Maiya Parks Pace Analytical Atlanta 110 Technology Parkway Peachtree Corners, GA 30092 Phone 770-734-4205	Pace Analytical West Columbia 106 Vantage Point Drive West Columbia, SC 29172 Phone (803)791-9700

ZD22031

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: HCL	Requested Analysis: Headspace, RSK 175	LAB USE ONLY
20	MW-16	PS	4/17/2024 08:05	92725763031	Water	2	X	
21	DUP-01-GW-04162024	PS	4/17/2024 13:30	92725763032	Water	2	X	
22								
23								

Transfers	Released By	Date/Time	Received By	Date/Time
1	[signature]	4/19/24 1800		
2				
3	FedEx	4/20/24 [illegible]	[signature]	4/22/24 [illegible]

Comments: IR77: Methane, Ethane, Ethene

Cooler Temperature on Receipt 7.1 °C | Custody Seal Y or (N) | Received on Ice (Y) or N | Samples Intact (Y) or N

***In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document. This chain of custody is considered complete as is since this information is available in the owner laboratory.

DC#_Title: ENV-FRM-WCOL-0286 v02_Samples Receipt Checklist (SRC)
Effective Date: 8/2/2022

Sample Receipt Checklist (SRC)

Client: PACE Cooler Inspected by/date: CDR / 4/22/24 Lot #: ZD22031

Means of receipt: ☐ Pace ☐ Client ☐ UPS ☑ FedEx ☐ Other:

☐ Yes	☑ No		1. Were custody seals present on the cooler?
☐ Yes	☐ No	☑ NA	2. If custody seals were present, were they intact and unbroken?

pH Strip ID: NA Chlorine Strip ID: NA Tested by: NA

Original temperature upon receipt / Derived (Corrected) temperature upon receipt %Solid Snap-Cup ID: NA

7.1 / 7.1 °C NA / NA °C NA / NA °C NA / NA °C

Method: ☑ Temperature Blank ☐ Against Bottles IR Gun ID: 8 IR Gun Correction Factor: 0 °C

Method of coolant: ☑ Wet Ice ☐ Ice Packs ☐ Dry Ice ☐ None

☐ Yes	☑ No	☐ NA	3. Were all coolers received at or below 6.0°C? If no, was Project Manager notified? PM was Notified by: phone / email / face-to-face (circle one).
☑ Yes	☐ No	☐ NA	4. Is the commercial courier's packing slip attached to this form?
☑ Yes	☐ No		5. Were proper custody procedures (relinquished/received) followed?
☑ Yes	☐ No		6. Were sample IDs listed on the COC and all sample containers?
☑ Yes	☐ No		7. Was collection date & time listed on the COC and all sample containers?
☑ Yes	☐ No		8. Did all container label information (ID, date, time) agree with the COC?
☑ Yes	☐ No		9. Were tests to be performed listed on the COC?
☑ Yes	☐ No		10. Did all samples arrive in the proper containers for each test and/or in good condition (unbroken, lids on, etc.)?
☑ Yes	☐ No		11. Was adequate sample volume available?
☑ Yes	☐ No		12. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
☑ Yes	☐ No		13. Were all samples containers accounted for? (No missing/excess)
☑ Yes	☐ No	☐ NA	14. Were VOA, 8015C and RSK-175 samples free of bubbles >"pea-size" (¼"or 6mm in diameter) in any of the VOA vials?
☐ Yes	☐ No	☑ NA	15. Were all DRO/metals/nutrient samples received at a pH of < 2?
☐ Yes	☐ No	☑ NA	16. Were all cyanide samples received at a pH > 12 and sulfide samples received at a pH > 9?
☐ Yes	☐ No	☑ NA	17. Were all applicable NH_3/TKN/cyanide/phenol/625.1/608.3 (< 0.5mg/L) samples free of residual chlorine?
☐ Yes	☐ No	☑ NA	18. Was the quote number listed on the container label? If yes, Quote #

Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)

Sample(s) NA were received incorrectly preserved and were adjusted accordingly in sample receiving with NA mL of circle one: H2SO4, HNO3, HCl, NaOH using SR # NA. ☐
Time of preservation NA. If more than one preservative is needed, please note in the comments below.

Sample(s) NA were received with bubbles >6 mm in diameter.

Samples(s) NA were received with TRC > 0.5 mg/L (If #19 is *no*) and were adjusted accordingly in sample receiving with sodium thiosulfate ($Na_2S_2O_3$) with Unique ID: NA.

Comments:

Qualtrax ID: 56360

Pace® Analytical Services, LLC

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ATTACHMENT C

DATA VALIDATION REPORT

1880 West Oak Parkway
Building 100, Suite 106
Marietta, Georgia, 30062

P: 770-973-2100
F: 770-973-7395
www.earthcon.com

MEMORANDUM

DATE:	May 8, 2024
TO:	Carol Northern
FROM:	Mary Ann Brookshire
SUBJECT:	Quality Assurance Review
PROJECT:	Lennox International
SAMPLING DATES:	April 16 to 17, 2024
PROJECT NUMBER:	EC02.20160378.24

1.0 Introduction

This quality assurance review presents the cursory validation of the sample analyses listed in Table 1. The analyses were performed by Pace Analytical Services, LLC in Huntersville, North Carolina, Peachtree Corners, GA, and Asheville, NC.

The criteria used to qualify data are from the *Contract Laboratory Program National Functional Guidelines for Inorganic and Organic Data Review* (USEPA 2010 and 2008), the analytical methods, or the professional judgment of the validation chemist. The following laboratory deliverables were reviewed during the validation process:

- Chain-of-custody (COC) documentation to assess holding times and verify report completeness
- Laboratory quality control (QC) sample results, including method blanks, surrogate spikes, laboratory control samples (LCS), matrix spike/matrix spike duplicates (MS/MSD), and laboratory duplicates
- Analytical results to verify reporting limits
- Field QC samples to assess field blank contamination and field duplicate precision

The qualified data are summarized in Section 6 of this memorandum. Data qualifier flags have been added to the attached sample results and database files.

Table 1—Sample Data Reviewed

Sample ID	Laboratory ID	VOA[a]	Diss Gases[b]	General Chem[c]
MW-1	92725516001 / 92725567001	X		X
MW-1D	92725516002 / 92725567002	X		X
MW-4	92725516003 / 92725567003	X		X
MW-4D	92725516004 / 92725567004	X		X
MW-10	92725516005 / 92725567005	X		X
MW-16	92725516006 / 92725567006	X		X
MW-18	92725516007 / 92725567007	X		X
DUP-01-GW-041624	92725516008 / 92725567008	X		X
MW-7	92725516009 / 92725567009	X		X
MW-6R	92725516010 / 92725567010	X		X
MW-15	92725516011 / 92725567011	X		X
MW-8	92725516012			X
Trip Blank	92725567012	X		
MW-17	92725763001			X
MW-14	92725763002			X
MW-11	92725763003			X
MW-5	92725763004			X
MW-3D	92725763005			X
MW-3	92725763006			X
MW-2	92725763007			X
MW-2D	92725763008			X
MW-8	92725763009			X
EB-01-041724	92725763010			X
MW-17	92725763011 / ZD22031-001	X	X	
MW-14	92725763012 / ZD22031-002	X	X	
MW-11	92725763013 / ZD22031-003	X	X	
MW-5	92725763014 / ZD22031-004	X	X	
MW-3D	92725763015 / ZD22031-005	X	X	
MW-3	92725763016 / ZD22031-006	X	X	
MW-2	92725763017 / ZD22031-007	X	X	
MW-2D	92725763018 / ZD22031-008	X	X	
MW-8	92725763019 / ZD22031-009	X	X	
EB-01-041724	92725763020 / ZD22031-010	X	X	
Trip Blank	92725763021	X		
MW-7	92725763022/ ZD22031-011		X	
MW-6R	92725763023/ ZD22031-012		X	
MW-15	92725763024/ ZD22031-013		X	
MW-1	92725763025 / ZD22031-014		X	
MW-1D	92725763026 / ZD22031-015		X	
MW-4	92725763027 / ZD22031-016		X	
MW-4D	92725763028 / ZD22031-017		X	
MW-10	92725763029 / ZD22031-018		X	
MW-16	92725763030 / ZD22031-019		X	
MW-18	92725763031/ ZD22031-020		X	
DUP-01-GW-04162024	92725763032 / ZD22031-021		X	

[a] Volatile Organic Compounds by Method 8260D and/or 8260D SIM (USEPA 1996)
[b] Dissolved Gases by Method RSK-175 (USEPA 1994)

[c] Alkalinity by Method SM 2320B; sulfide by method SM4500-S2 F; nitrate, sulfate, and chloride by method 9056A (USEPA 1996) and TOC by method 9060A (APHA 1998 and USEPA 1996)

2.0 Data Validation Findings

2.1 Custody, Preservation, and Completeness

Sample custody was maintained as required from sample collection to receipt at the laboratory. The reports are complete and contain results for the samples and tests requested on the COC forms. The samples were received intact and were properly preserved with the following exceptions.

- Due to a laboratory error, several sample containers were shipped from the Columbia laboratory to the Asheville laboratory without ice. The samples were delivered from the field crew to the Columbia laboratory at 2.1°C. They were received 5 hours later in the Asheville laboratory without ice. Because the temperature was not checked upon arrival in Asheville, the sample results were qualified as estimated (J or UJ) based on the lack of ice during shipment.

2.2 Volatile Organic Analyses by Methods 8260B and 8260B SIM

2.2.1 Holding Times

The samples were analyzed within the required holding time of 14 days from collection for preserved water samples.

2.2.2 Blank Analyses

2.2.2.1 Method Blanks

Method blanks were analyzed at the required frequency. Target analytes were not detected above the detection limits in the method blank samples.

2.2.2.2 Field Blanks

Two trip blanks and one equipment blank sample are associated with the samples. Target analytes were not detected above the detection limits in the trip blank or equipment blank samples.

2.2.3 Surrogate Analyses

Surrogate compounds were added to samples, blanks, and QC samples as required. The recovery values are within the laboratory QC limits.

2.2.4 Matrix Spike/Matrix Duplicate Analyses

MS/MD analyses were reported at the project frequency of one per 20 field samples. The recovery and relative percent difference (RPD) values are within the laboratory QC limits for the site-specific MS/MD samples.

2.2.5 Laboratory Control Sample Analyses

LCS or LCS/LCSD were analyzed at the required frequency of one per batch. The recovery and RPD values of target analytes are within the laboratory QC limits.

2.2.6 Laboratory Reporting Limits

The laboratory limits of quantitation (LOQ) are consistent with method reporting limits.

2.2.7 Field Duplicates

One field duplicate pair (MW-18/DUP-01-GW-041624) was collected. RPD values are within the QC guideline of less than 30 for groundwater samples. Detected analytes from the field duplicate samples are provided in the table below.

Sample ID	Duplicate ID	Analyte	Units	Sample Value	Duplicate Value	RPD
MW-18	DUP-01-GW-041624	1,1,1-Trichloroethane	µg/L	0.39 J	0.45 J	NC
		1,1,2-Trichloroethane	µg/L	4.3	4.1	5
		1,1-Dichloroethene	µg/L	4.6	4.5	2
		Tetrachloroethene	µg/L	154	149	3
		Trichloroethene	µg/L	176	170	3
		cis-1,2-Dichloroethene	µg/L	2	1.9	5

NC - not calculable. One or both results are below the limit of quantitation

2.2.8 Other QC Results

The case narrative identified several issues with the continuing calibrations standards that are outside of a cursory validation as follows:

- Recovery of dichlorodifluoromethane in the CCV exceeds the laboratory QC limits. Data qualification is not required as the bias is high and the associated analytical results are non-detect.
- Recovery of bromomethane in the CCV associated with batch 771613 is below the laboratory QC limits. The reporting limit check standard was within laboratory QC limits; therefore, the associated data were not qualified.
- The cis-1,2-dichloroethene result for sample MW-6R was qualified by the laboratory as possible carryover. The result is qualified as estimated (J) and may be biased high.

2.2.9 Overall Assessment of Data Usability

The usability of the data is based on the EPA guidance documents noted previously. Upon consideration of the information presented here; the data are acceptable with qualification.

2.3 Dissolved Gases

2.3.1 Holding Times

The samples were analyzed within the required holding time of 14 days from collection for preserved water samples.

2.3.2 Blank Analyses

2.3.2.1 Method Blanks

Method blanks were analyzed at the required frequency of one per batch. Dissolved gases were not detected above the detection limits in the method blank samples.

2.3.2.2 Trip Blanks

The trip blank samples were not analyzed for dissolved gases.

2.3.2.3 Equipment Blanks

One equipment blank sample was collected. The equipment blank was analyzed at the required frequency. Dissolved gases were not detected above the detection limits in the equipment blank sample.

2.3.3 Surrogate Analyses

Surrogate compounds are not required for dissolved gas analyses.

2.3.4 Matrix Spike/Matrix Spike Duplicate Analyses

Matrix spike and matrix spike duplicate analyses were performed at the required frequency. The recovery and RPD values were within laboratory QC limits.

2.3.5 Laboratory Control Sample Analyses

LCS were analyzed as required. The recovery values of target analytes are within the laboratory QC limits.

2.3.6 Laboratory Reporting Limits

The laboratory limits of quantitation (LOQ) are consistent with method reporting limits.

2.3.7 Field Duplicates

One field duplicate pair (MW-18/DUP-01-GW-041624) was collected. Results of both the sample and its duplicate were non-detect indicating acceptable sampling precision.

2.3.8 Overall Assessment of Data Usability

The usability of the data is based on the EPA guidance documents noted previously. Upon consideration of the information presented here; the data are acceptable without qualification.

2.4 General Chemistry Analyses

The field samples were analyzed for alkalinity, sulfide, chloride, nitrate, sulfate, and total organic carbon (TOC).

2.4.1 Holding Times

The samples were analyzed within the method-required holding times.

2.4.2 Blank Analyses

2.4.2.1 Method Blanks

Method blanks were analyzed at the required frequency. Target analytes were not detected above the detection limits in the method blank samples.

2.4.2.2 Equipment Blanks

An equipment blank was analyzed at the required frequency. Target analytes were not detected above the detection limits in the equipment blank.

2.4.3 Matrix Spike/Matrix Spike Duplicate Analyses

MS/MSD analyses were reported at the project frequency of one pair per 20 field samples. The recovery and RPD values are within the laboratory QC limits for the site-specific spiked samples with the following exceptions:

- The MS and MSD recovery values for nitrate in MW-16 were 76 and 72 percent which are below the laboratory QC limit of 90 to 110 percent. The nitrate result for sample MW-16 was qualified as estimated (J).

2.4.4 Laboratory Control Sample Analyses

LCSs or LCS/LCSDs were analyzed at the required frequency of one per batch. The recovery and RPD values are within the laboratory QC limits.

2.4.5 Laboratory Reporting Limits

The laboratory limits of quantitation (LOQ) are consistent with method reporting limits.

2.4.6 Field Duplicates

One field duplicate pair (MW-18/DUP-01-GW-041624) was collected. The RPD values for detected analytes are within the QC guideline of 30 for groundwater samples as shown in the table below.

Sample ID	Duplicate ID	Analyte	Units	Sample Value	Duplicate Value	RPD
MW-18	DUP-01-GW-041624	Chloride	mg/L	10.4	10.3	1.0
		Nitrate	mg/L	1.9	1.9	0.0

2.4.7 Overall Assessment of Data Usability

The usability of the data is based on the EPA guidance documents noted previously. Upon consideration of the information presented here; the data are acceptable with qualification.

3.0 Assessment of Data Quality Indicators

3.1 Precision

Precision is a measure of the mutual agreement among individual measurements of the same property, under prescribed similar conditions. Precision is determined through analysis of MS/MSD, sample duplicates, and field duplicate samples. Duplicate samples are evaluated for

precision in terms of relative percent difference. Relative percent difference is defined as the difference between the duplicate results divided by the mean and expressed as a percent.

The precision of the VOCs, dissolved gases, and general chemistry data is very good. The RPD values for the site-specific MS/MSD, LCS/LCSD are within the laboratory QC limits.

3.2 Accuracy

Accuracy is the degree of agreement between a measurement and the accepted reference or true value. The level of accuracy is determined by examination of surrogates, MS/MSDs, LCSs, method blanks, and field blanks. The surrogate, matrix spike, and LCS recovery values were compared to the laboratory QC limits. Method and field blanks are analyzed to identify compounds that could be introduced during the sampling, extraction, or analysis phases (i.e., laboratory contaminants) and lead to inaccurate results.

The accuracy of the VOC, dissolved gases, and general chemistry data is good. The LCS, site-specific MS/MSDs, and surrogate recoveries are within the laboratory QC limits with the exception of nitrate in one spiked sample. The method blanks, equipment blanks, and trip blank are free of contamination.

3.3 Representativeness

Representativeness is the extent to which the data reflect the actual contaminant levels present in the samples. Representativeness is assessed through method and field blanks, and proper preservation and handling. Method and field blank analyses allow for the detection of artifacts that may be reported as false positive results. Proper sample preservation and handling are necessary so that sample results reflect the actual sample concentrations.

The data are assumed to be representative because the samples were properly preserved and handled with the exception of a shipment of samples that were not iced. Results were qualified as estimated. Target analytes were not detected in the method blanks, equipment blanks or trip blank.

3.4 Comparability

Comparability is a measure of how easily the data set can be compared and combined with other data sets. The data are assumed to be comparable since standard EPA methods were used to analyze the samples, the method QC criteria were generally met, and routine detection limits were reported.

3.5 Completeness

Completeness is expressed as the ratio of valid results to the amount of data expected to be obtained under normal conditions. Completeness is determined by assessing the number of samples for which valid results were obtained versus the number of samples that were submitted to the laboratory for analysis. Valid results are results that are determined to be usable during the data validation review process.

The completeness of this data set is 100 percent.

4.0 Data Qualifier Definitions

4.1 Inorganic Data Qualifiers

The following data validation qualifiers were used in the review of this data set. These qualifiers are from the *Contract Laboratory Program National Functional Guidelines for Inorganic Data Review*.

U The material was analyzed for but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.

J The associated value is an estimated quantity.

UJ The material was analyzed for but was not detected. The associated value is an estimate and may be inaccurate or imprecise.

R The data are unusable. (Note: Analyte may or may not be present)

4.2 Organic Data Qualifiers

The following data validation qualifiers were used in the review of this data set. These qualifiers are from the *Contract Laboratory Program National Functional Guidelines for Organic Data Review*.

U The analyte was analyzed for but not detected above the reported sample quantitation limit.

J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

N The analysis indicates the presence of an analyte for which there is presumptive evidence to make a “tentative identification”.

NJ The analysis indicates the presence of an analyte that has been “tentatively identified” and the associated numerical value represents its approximate concentration.

R The sample results are rejected due to serious deficiencies in the ability to analyze the samples and meet quality control criteria. The presence or absence of the analyte cannot be verified.

5.0 References

USEPA. 1996. Test Methods for Evaluating Solid Waste, Physical/Chemical Methods (SW-846) Third Edition, Updates I, II, IIA, IIB, and III. United States Environmental Protection Agency. Office of Solid Waste. December 1996.

USEPA. 1999a. Methods and Guidance for Analysis of Water, Version 2.0. United States Environmental Protection Agency Office of Science and Technology. EPA 821-C-99-004. CD ROM. June 1999.

USEPA. 2008. Contract Laboratory Program National Functional Guidelines for Organic Data Review. U.S. Environmental Protection Agency Office of Emergency and Remedial Response. EPA540/R-99/008. June 2008.

USEPA. 2010. Contract Laboratory Program National Functional Guidelines for Inorganic Data Review. United States Environmental Protection Agency. Office of Solid Waste and Emergency Response. January 2010.

6.0 Summary of Data Qualification

The following data qualifiers were applied based on the quality assurance review of this data set.

Sample ID	Analyte	Qualifier	Reason for Qualification
MW-6R	Cis-1,2-Dichlorethene	J	Possible carryover
MW-16	Nitrate	J	Low MS/MSD recoveries
MW-10	Nitrate	UJ	No ice in shipment
MW-10	Chloride	J	No ice in shipment
MW-10	Sulfate	J	No ice in shipment
MW-16	TOC	UJ	No ice in shipment
MW-18	Sulfide	UJ	No ice in shipment
MW-18	Nitrate	J	No ice in shipment
MW-18	Chloride	J	No ice in shipment
MW-18	Sulfate	UJ	No ice in shipment
MW-18	TOC	UJ	No ice in shipment
DUP-01-GW-041624	Nitrate	J	No ice in shipment
DUP-01-GW-041624	Chloride	J	No ice in shipment
DUP-01-GW-041624	Sulfate	UJ	No ice in shipment
DUP-01-GW-041624	TOC	UJ	No ice in shipment
MW-7	Sulfide	J	No ice in shipment
MW-7	Nitrate	J	No ice in shipment
MW-7	Chloride	J	No ice in shipment
MW-7	Sulfate	UJ	No ice in shipment
MW-7	TOC	J	No ice in shipment

Sample ID	Analyte	Qualifier	Reason for Qualification
MW-6R	Sulfide	UJ	No ice in shipment
MW-6R	Nitrate	J	No ice in shipment
MW-6R	Chloride	J	No ice in shipment
MW-6R	Sulfate	J	No ice in shipment
MW-6R	TOC	J	No ice in shipment
MW-15	Nitrate	J	No ice in shipment
MW-15	Chloride	J	No ice in shipment
MW-15	Sulfate	J	No ice in shipment
MW-15	TOC	UJ	No ice in shipment