

ChampionX Reports Fourth Quarter and Full Year 2021 Results

February 9, 2022

- Revenue of \$822.1 million in Q4'21
- Net income attributable to ChampionX of \$43.4 million in Q4'21; adjusted net income of \$54.2 million
- Adjusted EBITDA of \$133.1 million in Q4'21; adjusted EBITDA margin expansion of 110 basis points sequentially
- Cash from operating activities of \$88.4 million and free cash flow of \$71.0 million (9% of revenue) in Q4'21
- Repaid \$46.7 million of debt in Q4'21; achieved 1.0 times net leverage in Q4'21
- Initiating a regular quarterly cash dividend of \$0.075 per share of common stock

THE WOODLANDS, Texas, Feb. 09, 2022 (GLOBE NEWSWIRE) -- ChampionX Corporation (NASDAQ: CHX) ("ChampionX" or the "Company") today announced fourth quarter of 2021 and full year 2021 results. For the fourth quarter of 2021, revenue was \$822.1 million, net income attributable to ChampionX was \$43.4 million, and adjusted EBITDA was \$133.1 million. Income before income taxes margin was 6.1%, and adjusted EBITDA margin was 16.2%. Cash provided by operating activities was \$88.4 million, and free cash flow was \$71.0 million.

CEO Commentary

"2021 marked our first full calendar year as ChampionX and we are proud of all that our organization has accomplished since our transformational merger was completed in June 2020. I am grateful to each of our employees around the world for their steadfast dedication and commitment to serving our customers and communities well, despite the ongoing pandemic and supply chain and logistics bottlenecks," ChampionX's President and Chief Executive Officer Sivasankaran "Soma" Somasundaram said.

"During the fourth quarter of 2021, we delivered solid results driven by healthy adjusted EBITDA margin improvement in our Chemical Technologies businesses. We generated revenue of \$822 million, essentially flat versus the third quarter, as demand growth in our North American market was offset by supply chain bottlenecks which constrained international sales during the period. We generated net income attributable to ChampionX of \$43 million, and adjusted EBITDA of \$133 million, which represented a sequential increase of 8%. Our teams executed well on pricing and productivity initiatives to offset the impact of COVID, continued raw material inflation, and logistics headwinds, as illustrated by the 110 basis point sequential expansion in our adjusted EBITDA margin during the period.

"We once again demonstrated our strong free cash flow profile as we generated free cash flow of \$71 million and we further strengthened our balance sheet by repaying \$47 million of debt during the fourth quarter. We ended the year with \$611 million of liquidity, including \$252 million of cash and approximately \$360 million of available capacity on our revolving credit facility.

"Our consistent and disciplined approach to capital allocation since the spin-off enabled us to reach our target leverage ratio of 1x net debt to trailing twelve months EBITDA during the fourth quarter. We are now delivering on our commitment to begin returning capital to shareholders by initiating a regular quarterly dividend of \$0.075 per share of common stock, a level which we believe is sustainable through-the-cycle and maintains our capital flexibility to further pay down debt and invest in attractive organic and M&A opportunities. Our Board of Directors has declared our first quarterly dividend to be paid on April 29, 2022 to shareholders of record on April 8, 2022.

"We have consistently delivered on merger integration synergies and we exited the fourth quarter at a \$121 million cost-synergy annualized run-rate, and we are well positioned to deliver the full targeted cost synergies of \$125 million within 24 months of the merger closing.

"We see increasing demand tailwinds and customer spending across our portfolio and we expect 2022 to be a year of positive growth and margin expansion. We remain focused on profitable growth and delivering continued margin expansion in each of our businesses as we progress through the year. As we look to the first quarter, we expect typical seasonal declines in our international operations, partially offset by revenues delayed from the fourth quarter because of supply chain bottlenecks, and positive momentum in our shorter-cycle North American land drilling-oriented business. On a consolidated basis, we expect first quarter revenue to be between \$815 million and \$845 million, and adjusted EBITDA of \$122 million to \$130 million.

"While we expect raw material availability and global supply chain bottlenecks to constrain growth somewhat in the first half of 2022, we are confident that we will deliver positive top-line and bottom-line growth, with meaningful margin expansion for the full year, targeting an exit 2022 adjusted EBITDA margin rate of 18%. ChampionX is well positioned within the evolving energy industry, and I am humbled and honored to lead our remarkably motivated and talented team."

Production Chemical Technologies

Production Chemical Technologies revenue in the fourth quarter of 2021 was \$495.3 million, an increase of \$7.6 million, or 2%, sequentially, due to higher North American volumes, offset partially by supply chain bottlenecks which constrained sales in our international business.

Segment operating profit was \$55.5 million and adjusted segment EBITDA was \$82.4 million. Segment operating profit margin was 11.2%, an increase of 184 basis points, sequentially, and adjusted segment EBITDA margin was 16.6%, an increase of 205 basis points, sequentially, in each case due to higher sales volumes and pricing, partially offset by certain raw materials inflation.

Production & Automation Technologies

Production & Automation Technologies revenue in the fourth quarter of 2021 was \$202.9 million, a decrease of \$1.6 million, or 1%, sequentially, due to normal seasonality in our North American businesses into the year-end holidays.

Revenue from digital products was \$43.9 million in the fourth quarter of 2021, an increase of \$2.3 million, or 6%, compared to \$41.6 million in the third quarter of 2021.

Segment operating profit was \$13.6 million, and adjusted segment EBITDA was \$39.3 million. Segment operating profit margin was 6.7%, a decrease of 36 basis points, sequentially, and adjusted segment EBITDA margin was 19.4%, a decrease of 17 basis points, sequentially, in each case due to certain raw materials and logistics inflation.

Drilling Technologies

Drilling Technologies revenue in the fourth quarter of 2021 was \$50.1 million, an increase of \$0.7 million, or 1%, sequentially, due to the continued increase in North American land drilling activity, offset by a sales decline in our international business.

Segment operating profit was \$9.0 million, and adjusted segment EBITDA was \$13.2 million. Segment operating profit margin was 18.0%, a decrease of 456 basis points, sequentially, and adjusted segment EBITDA margin was 26.4%, a decrease of 451 basis points, sequentially, in each case due to lower cost absorption and product mix.

Reservoir Chemical Technologies

Reservoir Chemical Technologies revenue in the fourth quarter of 2021 was \$39.8 million, an increase of \$1.6 million, or 4%, sequentially, driven by higher international volumes and continued sales increases in our North American business.

Segment operating loss was \$1.7 million, and adjusted segment EBITDA was \$2.7 million. Segment operating loss margin was 4.2%, as compared to a segment operating profit margin of 99.0% in the prior quarter, which reflected the net gain on the sale of our manufacturing plant in Corsicana of \$39.9 million during the third quarter. Adjusted segment EBITDA margin was 6.8%, an increase of 534 basis points, sequentially, due to higher sales volumes and favorable product mix.

Other Business Highlights

- During the fourth quarter, ChampionX completed the acquisition of Tomson Technologies LLC and Group 2 Technologies LLC, leaders in nano substrate deposition technology platforms with proven commercial applications for enhanced production chemical retention in reservoirs, which helps energy companies lower the carbon footprint and operating expenses of their oil and gas production operations.
- As part of its emissions management growth platform, ChampionX is launching Scientific Aviation Labs, an advanced
 emissions research lab which will be a global center of expertise for methane emissions and will be focused on applied
 research to generate new product ideas to effectively solve emissions problems.
- Production Chemical Technologies delivered strong customer contract wins in Canada, Latin America and several Eastern Hemisphere geo-markets, based on technical and service differentiation.
- Production & Automation Technologies introduced its HIGH RISETM series ESP pump line, which is engineered to significantly improve ESP system performance and longevity while also meaningfully reducing the carbon footprint of ESP operations.
- During the fourth quarter, ChampionX was awarded a contract with a leading global integrated energy company to deliver ESPs and custom chemistries for a multi-well program.
- During the fourth quarter, Production & Automation Technologies won a production optimization contract with a leading E&P operator in the Permian Basin.
- During the fourth quarter, 80% of Drilling Technologies revenue was generated from products that were less than three years old.
- As of the end of the fourth quarter, ChampionX has paid down \$373 million of debt since the merger closed on June 3, 2020.

Conference Call Details

ChampionX Corporation will host a conference call on Thursday, February 10, 2022, to discuss its fourth quarter and full year 2021 financial results and outlook. The call will begin at 9:00 a.m. Eastern Time. Presentation materials that supplement the conference call will be available on ChampionX's website at investors.championx.com.

To listen to the call via a live webcast, please visit ChampionX's website at investor.championx.com. The call will also be available for 30 days by dialing 1-888-424-8151 in the United States and Canada or 1-847-585-4422 for international calls. Please call approximately 15 minutes prior to the scheduled start time and reference ChampionX conference call number 8972051.

A replay of the conference call will be available on ChampionX's website or at ChampionXFourthQuarter2021CallReplay. Enter passcode 50275692.

About Non-GAAP Measures

In addition to financial results determined in accordance with generally accepted accounting principles in the United States ("GAAP"), this news release presents non-GAAP financial measures. Management believes that adjusted EBITDA, adjusted EBITDA margin, adjusted net income attributable to ChampionX and adjusted diluted earnings per share attributable to ChampionX, provide useful information to investors regarding the Company's financial condition and results of operations because they reflect the core operating results of our businesses and help facilitate comparisons of operating performance across periods. In addition, free cash flow, free cash flow to adjusted EBITDA ratio, and free cash flow to revenue ratio are used by management to measure our ability to generate positive cash flow for debt reduction and to support our strategic objectives. Although management believes the aforementioned non-GAAP financial measures are good tools for internal use and the investment community in evaluating ChampionX's overall financial performance, the foregoing non-GAAP financial measures should be considered in addition to, not as a

substitute for or superior to, other measures of financial performance prepared in accordance with GAAP. A reconciliation of these non-GAAP measures to the most directly comparable GAAP measures is included in the accompanying financial tables.

This press release contains certain forward-looking non-GAAP financial measures, including adjusted EBITDA. The Company has not provided projected net income attributable to ChampionX or a reconciliation of projected adjusted EBITDA. Management cannot predict with a reasonable degree of accuracy certain of the necessary components of net income attributable to ChampionX, such as depreciation and amortization expense. As such, a reconciliation of projected adjusted EBITDA to projected net income attributable to ChampionX is not available without unreasonable effort. The actual amount of depreciation and amortization, in particular, and other amounts excluded from adjusted EBITDA will have a significant impact on net income attributable to ChampionX.

About ChampionX

ChampionX is a global leader in chemistry solutions and highly engineered equipment and technologies that help companies drill for and produce oil and gas safely and efficiently around the world. ChampionX's products provide efficient functioning throughout the lifecycle of a well with a focus on the production phase of wells. To learn more about ChampionX, visit our website at www.championX.com.

Forward-Looking Statements

This news release contains statements relating to future actions and results, which are "forward-looking statements" within the meaning of the Securities Exchange Act of 1934, as amended, and the Private Securities Litigation Reform Act of 1995. Such statements relate to, among other things, ChampionX's market position and growth opportunities. Forward-looking statements include statements related to ChampionX's expectations regarding the performance of the business, financial results, liquidity and capital resources of ChampionX. Forward-looking statements are subject to inherent risks and uncertainties that could cause actual results to differ materially from current expectations, including, but not limited to, changes in economic, competitive, strategic, technological, tax, regulatory or other factors that affect the operations of ChampionX's businesses. You are encouraged to refer to the documents that ChampionX files from time to time with the Securities and Exchange Commission ("SEC"), including the "Risk Factors" in ChampionX's Annual Report on Form 10-K for the fiscal year ended December 31, 2020, and in ChampionX's other filings with the SEC. Readers are cautioned not to place undue reliance on ChampionX's forward-looking statements. Forward-looking statements speak only as of the day they are made and ChampionX undertakes no obligation to update any forward-looking statement, except as required by applicable law.

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CHAMPIONX CORPORATION
CONDENSED CONSOLIDATED STATEMENTS OF INCOME (LOSS)
(UNAUDITED)

		TI	nree	Months End		Years Ended				
		Dec 31,		Sep 30,	Dec 31,			Decen	nber 31,	
(in thousands, except per share amounts)	2021			2021		2020		2021		2020
Revenue	\$	822,145	\$	818,785	\$	706,122	\$	3,074,990	\$	1,899,996
Cost of goods and services		616,830		623,162		539,979		2,331,715		1,490,824
Gross profit		205,315		195,623		166,143		743,275		409,172
Selling, general and administrative expense		139,449		135,089		132,811		570,357		463,767
Goodwill and long-lived asset impairment		_				_		_		657,251
Interest expense, net		11,037		12,849		15,495		51,921		51,731
Other (income) expense, net		4,873		(36,876)		(1,170)		(31,688)		(828)
Income (loss) before income taxes		49,956		84,561		19,007		152,685		(762,749)
Provision for (benefit from) income taxes		6,190		25,910		11,526		38,445		(20,396)
Net income (loss)		43,766		58,651		7,481		114,240		(742,353)
Less: Net income attributable to noncontrolling interest		317		1,823		124		941		1,577
Net income (loss) attributable to ChampionX	\$	43,449	\$	56,828	\$	7,357	\$	113,299	\$	(743,930)
Earnings (loss) per share attributable to ChampionX:										
Basic	\$	0.21	\$	0.28	\$	0.04	\$	0.56	\$	(5.01)
Diluted	\$	0.21	\$	0.27	\$	0.04	\$	0.54	\$	(5.01)
Weighted-average shares outstanding:										
Basic		202,320		201,852		199,913		201,579		148,370
Diluted		208,779		208,545		204,825		208,325		148,370

CHAMPIONX CORPORATION
CONDENSED CONSOLIDATED BALANCE SHEETS
(UNAUDITED)

Cash and Cash equivalents	Φ	231,070	Φ	201,421
Restricted cash		3,500		_
Receivables, net		584,440		559,545
Inventories, net		542,910		430,112
Prepaid expenses and other current assets		78,372		74,767
Total current assets		1,460,900		1,265,845
Property, plant and equipment, net		776,813		854,536
Goodwill		702,867		680,594
Intangible assets, net		401,470		479,009
Other non-current assets		192,651		195,792
Total assets	\$	3,534,701	\$	3,475,776
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Liabilities	¢.	26.950	ď	26.050
Current portion of long-term debt	\$	26,850	\$	26,850
Accounts payable		473,561		299,666
Other current liabilities		301,914		296,044
Total current liabilities		802,325		622,560
Long-term debt		697,657		905,764
Other long-term liabilities		280,412		334,877
Equity				
ChampionX stockholders' equity		1,770,645		1,625,971
Noncontrolling interest		(16,338)		(13,396)
Total liabilities and equity	\$	3,534,701	\$	3,475,776
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CHAMPIONY COPPOPATION				
CHAMPIONX CORPORATION CONDENSED CONSOLIDATED STATEMENTS OF CASH FLOWS (UNAUDITED)				
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CONDENSED CONSOLIDATED STATEMENTS OF CASH FLOWS		Years Ended 2021	Dece	mber 31, 2020
CONDENSED CONSOLIDATED STATEMENTS OF CASH FLOWS (UNAUDITED) (in thousands)	_		Dece	
CONDENSED CONSOLIDATED STATEMENTS OF CASH FLOWS (UNAUDITED) (in thousands) Cash provided by (used for) operating activities:	 	2021		2020
CONDENSED CONSOLIDATED STATEMENTS OF CASH FLOWS (UNAUDITED) (in thousands) Cash provided by (used for) operating activities: Net income (loss)	\$	2021 114,240	Dece	2020 (742,353)
CONDENSED CONSOLIDATED STATEMENTS OF CASH FLOWS (UNAUDITED) (in thousands) Cash provided by (used for) operating activities: Net income (loss) Depreciation and amortization	\$	2021 114,240 237,285		2020 (742,353) 214,362
CONDENSED CONSOLIDATED STATEMENTS OF CASH FLOWS (UNAUDITED) (in thousands) Cash provided by (used for) operating activities: Net income (loss) Depreciation and amortization (Gain) loss on disposal of fixed assets	\$	2021 114,240		2020 (742,353) 214,362 8,037
(in thousands) (ash provided by (used for) operating activities: Net income (loss) Depreciation and amortization (Gain) loss on disposal of fixed assets Goodwill and long-lived asset impairment	\$	2021 114,240 237,285 (40,371)		2020 (742,353) 214,362 8,037 657,251
CONDENSED CONSOLIDATED STATEMENTS OF CASH FLOWS (UNAUDITED) (in thousands) Cash provided by (used for) operating activities: Net income (loss) Depreciation and amortization (Gain) loss on disposal of fixed assets Goodwill and long-lived asset impairment Receivables	\$	2021 114,240 237,285 (40,371) — (28,736)		(742,353) 214,362 8,037 657,251 58,210
(in thousands) (ash provided by (used for) operating activities: Net income (loss) Depreciation and amortization (Gain) loss on disposal of fixed assets Goodwill and long-lived asset impairment Receivables Inventories	\$	2021 114,240 237,285 (40,371) — (28,736) (124,154)		2020 (742,353) 214,362 8,037 657,251 58,210 85,893
CONDENSED CONSOLIDATED STATEMENTS OF CASH FLOWS (UNAUDITED) (in thousands) Cash provided by (used for) operating activities: Net income (loss) Depreciation and amortization (Gain) loss on disposal of fixed assets Goodwill and long-lived asset impairment Receivables Inventories Accounts payable	\$	2021 114,240 237,285 (40,371) — (28,736) (124,154) 171,398		2020 (742,353) 214,362 8,037 657,251 58,210 85,893 (18,389)
(in thousands) Cash provided by (used for) operating activities: Net income (loss) Depreciation and amortization (Gain) loss on disposal of fixed assets Goodwill and long-lived asset impairment Receivables Inventories Accounts payable Leased assets	\$	2021 114,240 237,285 (40,371) — (28,736) (124,154) 171,398 (5,151)		2020 (742,353) 214,362 8,037 657,251 58,210 85,893 (18,389) (4,606)
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CONDENSED CONSOLIDATED STATEMENTS OF CASH FLOWS (UNAUDITED) (in thousands) Cash provided by (used for) operating activities: Net income (loss) Depreciation and amortization (Gain) loss on disposal of fixed assets Goodwill and long-lived asset impairment Receivables Inventories Accounts payable Leased assets Other Net cash provided by operating activities Cash provided by (used for) investing activities: Proceeds from sale of fixed assets Capital expenditures Acquisitions, net of cash acquired Purchase of investments Net cash provided by (used for) investing activities Cash used for financing activities: Repayment of long-term debt Proceeds from long-term debt Debt issuance costs	\$	2021 114,240 237,285 (40,371) — (28,736) (124,154) 171,398 (5,151) 3,708 328,219 72,022 (84,464) (20,095) (4,874) (37,411) (223,413) — —		2020 (742,353) 214,362 8,037 657,251 58,210 85,893 (18,389) (4,606) 51,635 310,040 9,705 (45,163) 57,588 — 22,130 (286,493) 125,000 (4,356)
CONDENSED CONSOLIDATED STATEMENTS OF CASH FLOWS (UNAUDITED) (in thousands) Cash provided by (used for) operating activities: Net income (loss) Depreciation and amortization (Gain) loss on disposal of fixed assets Goodwill and long-lived asset impairment Receivables Inventories Accounts payable Leased assets Other Net cash provided by operating activities Cash provided by (used for) investing activities: Proceeds from sale of fixed assets Capital expenditures Acquisitions, net of cash acquired Purchase of investments Net cash provided by (used for) investing activities Cash used for financing activities: Repayment of long-term debt Proceeds from long-term debt Debt issuance costs Other	\$	72,022 (84,464) (20,095) (40,371) (28,736) (124,154) 171,398 (5,151) 3,708 328,219 72,022 (84,464) (20,095) (4,874) (37,411) (223,413) (10,934)		2020 (742,353) 214,362 8,037 657,251 58,210 85,893 (18,389) (4,606) 51,635 310,040 9,705 (45,163) 57,588 — 22,130 (286,493) 125,000 (4,356) (9,517)
CONDENSED CONSOLIDATED STATEMENTS OF CASH FLOWS (UNAUDITED) (in thousands) Cash provided by (used for) operating activities: Net income (loss) Depreciation and amortization (Gain) loss on disposal of fixed assets Goodwill and long-lived asset impairment Receivables Inventories Accounts payable Leased assets Other Net cash provided by operating activities Cash provided by (used for) investing activities: Proceeds from sale of fixed assets Capital expenditures Acquisitions, net of cash acquired Purchase of investments Net cash provided by (used for) investing activities Cash used for financing activities: Repayment of long-term debt Proceeds from long-term debt Debt issuance costs	\$	2021 114,240 237,285 (40,371) — (28,736) (124,154) 171,398 (5,151) 3,708 328,219 72,022 (84,464) (20,095) (4,874) (37,411) (223,413) — —		2020 (742,353) 214,362 8,037 657,251 58,210 85,893 (18,389) (4,606) 51,635 310,040 9,705 (45,163) 57,588 — 22,130 (286,493) 125,000 (4,356)

(in thousands) Assets

Cash and cash equivalents

2021

251,678 \$

\$

2020

201,421

Net increase in cash and cash equivalents and restricted cash	53,757	166,131
Cash and cash equivalents and restricted cash at beginning of period	 201,421	 35,290
Cash and cash equivalents and restricted cash at end of period	\$ 255,178	\$ 201,421

CHAMPIONX CORPORATION BUSINESS SEGMENT DATA (UNAUDITED)

		Т	hree	Months Ende	Years Ended					
		Dec 31,		Sep 30,		Dec 31,		Decen	nber	31,
(in thousands)		2021		2021		2020		2021		2020
Segment revenue:										
Production Chemical Technologies	\$	495,310	\$	487,670	\$	446,652	\$	1,842,400	\$	992,805
Production & Automation Technologies		202,880		204,473		158,777		762,371		615,918
Drilling Technologies		50,068		49,415		23,568		172,066		116,186
Reservoir Chemical Technologies		39,790		38,192		30,937		141,095		61,507
Corporate and other		34,097		39,035		46,188		157,058		113,580
Total revenue	\$	822,145	\$	818,785	\$	706,122	\$	3,074,990	\$	1,899,996
Income (loss) before income taxes:										
Segment operating profit:										
Production Chemical Technologies	\$	55,539	\$	45,696	\$	49,200	\$	165,463	\$	94,294
Production & Automation Technologies		13,574		14,407		(4,724)		45,635		(697,937)
Drilling Technologies		9,010		11,146		153		30,409		2,574
Reservoir Chemical Technologies		(1,667)		37,800		432		30,311		(6,198)
Total segment operating profit (loss)		76,456		109,049		45,061		271,818		(607,267)
Corporate and other		15,463		11,639		10,559		67,212		103,751
Interest expense, net		11,037		12,849		15,495		51,921		51,731
Income (loss) before income taxes	\$	49,956	\$	84,561	\$	19,007	\$	152,685	\$	(762,749)
Operating profit margin / income (loss) before	ore									
income taxes margin:										
Production Chemical Technologies		11.2%		9.4%		11.0%		9.0%		9.5%
Production & Automation Technologies		6.7%		7.0%		(3.0)%		6.0%		(113.3)%
Drilling Technologies		18.0%		22.6%		0.6%		17.7%		2.2%
Reservoir Chemical Technologies		(4.2)%		99.0%		1.4%		21.5%		(10.1)%
ChampionX Consolidated		6.1%		10.3%		2.7%		5.0%		(40.1)%
Adjusted EBITDA										
Production Chemical Technologies	\$	82,395	\$	71,116	\$	77,872	\$	271,244	\$	171,808
Production & Automation Technologies		39,332		39,987		29,345		152,734		108,863
Drilling Technologies		13,242		15,297		2,525		44,326		17,312
Reservoir Chemical Technologies		2,697		550		2,204		2,891		459
Corporate and other	_	(4,553)		(3,397)	_	(3,301)	_	(14,903)	_	(15,257)
Adjusted EBITDA	\$	133,113	\$	123,553	\$	108,645	\$	456,292	\$	283,185
Adjusted EBITDA margin										
Production Chemical Technologies		16.6%		14.6%		17.4%		14.7%		17.3%
Production & Automation Technologies		19.4%		19.6%		18.5%		20.0%		17.7%
Drilling Technologies		26.4%		31.0%		10.7%		25.8%		14.9%
Reservoir Chemical Technologies		6.8%		1.4%		7.1%		2.0%		0.7%
ChampionX Consolidated		16.2%		15.1%		15.4%		14.8%		14.9%

CHAMPIONX CORPORATION RECONCILIATIONS OF GAAP TO NON-GAAP FINANCIAL MEASURES (UNAUDITED)

		•	Γhree	Months Ende	Years Ended						
		Dec 31,		Sep 30,		Dec 31,		December 31,			
(in thousands)		2021		2021		2020		2021		2020	
Net income (loss) attributable to ChampionX	\$	43,449	\$	56,828	\$	7,357	\$	113,299	\$	(743,930)	
Pre-tax adjustments:											
Gain on sale of Corsicana plant		1,746		(39,876)		_		(38,131)		_	

Merger integration costs	6,033	4,227	4,939	35,233	22,960
Acquisition-related adjustments (1)	(3,512)	(3,512)	(2,878)	(14,048)	6,463
Acquisition costs	_	_	915	412	61,819
Restructuring and other related charges	4,505	2,087	4,971	14,624	23,291
Loss on extinguishment of debt	2,391	5,402	_	11,098	_
Intellectual property defense	2,477	2,365	478	6,622	1,278
Latin America tax matters		(2,968)	_	(2,968)	_
Separation and supplemental benefit costs		_	105	1,559	539
Professional fees related to material weakness remediation ⁽²⁾	_	_	512	_	6,240
Goodwill and long-lived asset impairment (3)	_	_	_	_	657,251
Tax impact of adjustments	 (2,864)	6,778	 (2,070)	 (3,024)	(63,368)
Adjusted net income (loss) attributable to					
ChampionX	54,225	31,331	14,329	124,676	(27,457)
Tax impact of adjustments	2,864	(6,778)	2,070	3,024	63,368
Net income attributable to noncontrolling interest	317	1,823	124	941	1,577
Depreciation and amortization	58,480	58,418	65,101	237,285	214,362
Provision for (benefit from) income taxes	6,190	25,910	11,526	38,445	(20,396)
Interest expense, net	 11,037	12,849	15,495	 51,921	51,731
Adjusted EBITDA	\$ 133,113	\$ 123,553	\$ 108,645	\$ 456,292	\$ 283,185

⁽¹⁾ Includes revenue associated with the amortization of a liability established as part of the Merger, representing unfavorable terms under the Cross Supply Agreement. For the year ended December 31, 2020, in association with the Merger, we recorded an increase to the fair value of inventory which is subsequently amortized to cost of sales over the period that the related product is sold.

⁽³⁾ Represents charges for goodwill and long-lived asset impairments in our Production & Automation Technologies segment.

		1	hree	Months Ende	Years Ended					
	1	Dec 31,		Sep 30,		Dec 31,		Decem	ber 3	31,
(in thousands)		2021		2021		2020	2021		2020	
Diluted earnings (loss) per share attributable to ChampionX	\$	0.21	\$	0.27	\$	0.04	\$	0.54	\$	(5.01)
Per share adjustments:										
Gain on sale of Corsicana plant		0.01		(0.19)		_		(0.18)		_
Merger integration costs		0.03		0.02		0.02		0.17		0.15
Acquisition-related adjustments		(0.02)		(0.02)		(0.01)		(0.07)		0.04
Acquisition costs		_		_		0.01				0.42
Restructuring and other related charges		0.02		0.01		0.02		0.07		0.16
Loss on extinguishment of debt		0.01		0.03		_		0.05		_
Intellectual property defense		0.01		0.01		_		0.03		0.01
Latin America tax matters		_		(0.01)		_		(0.01)		_
Separation and supplemental benefit costs		_		_		_		0.01		_
Professional fees related to material weakness remediation and impairment analysis		_		_		_		_		0.04
Goodwill and long-lived asset impairment		_		_		_		_		4.43
Tax impact of adjustments		(0.01)		0.03		(0.01)		(0.01)		(0.43)
Adjusted diluted earnings (loss) per share attributable to ChampionX		0.26		0.15		0.07		0.60		(0.19)

Free Cash Flow

		_	Years Ended										
		Dec 31,		Sep 30, 2021		Dec 31,		December 31,					
(in thousands)		2021				2020	2021			2020			
Free Cash Flow	·												
Cash provided by operating activities	\$	88,419	\$	88,662	\$	120,608	\$	328,219	\$	310,040			
Less: Capital expenditures		(17,437)		(21,347)		(12,994)		(84,464)		(45,163)			
Free cash flow	\$	70,982	\$	67,315	\$	107,614	\$	243,755	\$	264,877			
Cash From Operating Activities to Revenue	Ratio												
Cash provided by operating activities	\$	88,419	\$	88,662	\$	120,608	\$	328,219	\$	310,040			
Revenue		822,145		818,785		706,122		3,074,990		1,899,996			

⁽²⁾ Includes professional fees related to the remediation of material weaknesses identified during 2019.

Cash from operating activities to revenue ratio	11%	,)	11%	·	17%	· •	11%	16%	
Free Cash Flow to Revenue Ratio									
Free cash flow	\$ 70,982	\$	67,315	\$	107,614	\$	243,755	\$	264,877
Revenue	\$ 822,145	\$	818,785	\$	706,122	\$	3,074,990	\$	1,899,996
Free cash flow to revenue ratio	9%	9%		8%		15%		8%	
Free Cash Flow to Adjusted EBITDA Ratio									
Free cash flow	\$ 70,982	\$	67,315	\$	107,614	\$	243,755	\$	264,877
Adjusted EBITDA	\$ 133,113	\$	123,553	\$	108,645	\$	456,292	\$	283,185
Free cash flow to adjusted EBITDA ratio	53%	D	54%	D	99%	· •	53%	,	94%