

Form 5500 Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Annual Return/Report of Employee Benefit Plan This form is required to be filed for employee benefit plans under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and sections 6057(b) and 6058(a) of the Internal Revenue Code (the Code). ▶ Complete all entries in accordance with the instructions to the Form 5500.	OMB Nos. 1210-0110 1210-0089 2022 This Form is Open to Public Inspection
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Part I	Annual Report Identification Information
For calendar plan year 2022 or fiscal plan year beginning <u>01/01/2022</u> and ending <u>12/31/2022</u>	
A This return/report is for:	☐ a multiemployer plan ☐ a multiple-employer plan (Filers checking this box must attach a list of participating employer information in accordance with the form instructions.) ☒ a single-employer plan ☐ a DFE (specify) ____
B This return/report is:	☐ the first return/report ☐ the final return/report ☐ an amended return/report ☐ a short plan year return/report (less than 12 months)
C If the plan is a collectively-bargained plan, check here.	☐
D Check box if filing under:	☒ Form 5558 ☐ automatic extension ☐ the DFVC program ☐ special extension (enter description)
E If this is a retroactively adopted plan permitted by SECURE Act section 201, check here.	☐

Part II	Basic Plan Information —enter all requested information		
1a Name of plan	<u>AMERICAN CHEMICAL SOCIETY ERISA 403(B) PLAN</u>		1b Three-digit plan number (PN) ▶ <u>003</u>
			1c Effective date of plan <u>01/01/2010</u>
2a Plan sponsor's name (employer, if for a single-employer plan) Mailing address (include room, apt., suite no. and street, or P.O. Box) City or town, state or province, country, and ZIP or foreign postal code (if foreign, see instructions)	<u>AMERICAN CHEMICAL SOCIETY</u> <u>OFFICE OF THE TREASURER</u> <u>1155 16TH ST NW</u> <u>1155 16TH ST NW</u> <u>WASHINGTON, DC 20036-4839</u> <u>WASHINGTON, DC 20036-4839</u>		2b Employer Identification Number (EIN) <u>53-0196572</u> 2c Plan Sponsor's telephone number <u>202-872-4446</u> 2d Business code (see instructions) <u>541990</u>

Caution: A penalty for the late or incomplete filing of this return/report will be assessed unless reasonable cause is established.

Under penalties of perjury and other penalties set forth in the instructions, I declare that I have examined this return/report, including accompanying schedules, statements and attachments, as well as the electronic version of this return/report, and to the best of my knowledge and belief, it is true, correct, and complete.

SIGN HERE	Filed with authorized/valid electronic signature.	09/20/2023	JORDAN LEVINE
	Signature of plan administrator	Date	Enter name of individual signing as plan administrator
SIGN HERE			
	Signature of employer/plan sponsor	Date	Enter name of individual signing as employer or plan sponsor
SIGN HERE			
	Signature of DFE	Date	Enter name of individual signing as DFE

For Paperwork Reduction Act Notice, see the Instructions for Form 5500.

Form 5500 (2022)
v. 220413

3a Plan administrator's name and address ☒ Same as Plan Sponsor		3b Administrator's EIN	
		3c Administrator's telephone number	
4 If the name and/or EIN of the plan sponsor or the plan name has changed since the last return/report filed for this plan, enter the plan sponsor's name, EIN, the plan name and the plan number from the last return/report: a Sponsor's name c Plan Name		4b EIN 4d PN	
5 Total number of participants at the beginning of the plan year		5	2491
6 Number of participants as of the end of the plan year unless otherwise stated (welfare plans complete only lines 6a(1) , 6a(2) , 6b , 6c , and 6d).			
a(1) Total number of active participants at the beginning of the plan year		6a(1)	1862
a(2) Total number of active participants at the end of the plan year		6a(2)	1804
b Retired or separated participants receiving benefits		6b	48
c Other retired or separated participants entitled to future benefits.....		6c	644
d Subtotal. Add lines 6a(2) , 6b , and 6c		6d	2496
e Deceased participants whose beneficiaries are receiving or are entitled to receive benefits.		6e	6
f Total. Add lines 6d and 6e		6f	2502
g Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item).....		6g	2389
h Number of participants who terminated employment during the plan year with accrued benefits that were less than 100% vested.....		6h	0
7 Enter the total number of employers obligated to contribute to the plan (only multiemployer plans complete this item)		7	
8a If the plan provides pension benefits, enter the applicable pension feature codes from the List of Plan Characteristics Codes in the instructions: 2G 2J 2E 2T 2M			
b If the plan provides welfare benefits, enter the applicable welfare feature codes from the List of Plan Characteristics Codes in the instructions:			
9a Plan funding arrangement (check all that apply) (1) ☐ Insurance (2) ☐ Code section 412(e)(3) insurance contracts (3) ☒ Trust (4) ☐ General assets of the sponsor		9b Plan benefit arrangement (check all that apply) (1) ☐ Insurance (2) ☐ Code section 412(e)(3) insurance contracts (3) ☒ Trust (4) ☐ General assets of the sponsor	
10 Check all applicable boxes in 10a and 10b to indicate which schedules are attached, and, where indicated, enter the number attached. (See instructions)			
a Pension Schedules (1) ☒ R (Retirement Plan Information) (2) ☐ MB (Multiemployer Defined Benefit Plan and Certain Money Purchase Plan Actuarial Information) - signed by the plan actuary (3) ☐ SB (Single-Employer Defined Benefit Plan Actuarial Information) - signed by the plan actuary		b General Schedules (1) ☒ H (Financial Information) (2) ☐ I (Financial Information – Small Plan) (3) ☐ 0 A (Insurance Information) (4) ☒ C (Service Provider Information) (5) ☐ D (DFE/Participating Plan Information) (6) ☐ G (Financial Transaction Schedules)	

Part III Form M-1 Compliance Information (to be completed by welfare benefit plans)

11a If the plan provides welfare benefits, was the plan subject to the Form M-1 filing requirements during the plan year? (See instructions and 29 CFR 2520.101-2.) ☐ Yes ☐ No

If "Yes" is checked, complete lines 11b and 11c.

11b Is the plan currently in compliance with the Form M-1 filing requirements? (See instructions and 29 CFR 2520.101-2.) ☐ Yes ☐ No

11c Enter the Receipt Confirmation Code for the 2022 Form M-1 annual report. If the plan was not required to file the 2022 Form M-1 annual report, enter the Receipt Confirmation Code for the most recent Form M-1 that was required to be filed under the Form M-1 filing requirements. (Failure to enter a valid Receipt Confirmation Code will subject the Form 5500 filing to rejection as incomplete.)

Receipt Confirmation Code _____

SCHEDULE C (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Service Provider Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA). ▶ File as an attachment to Form 5500.	OMB No. 1210-0110
		2022
		This Form is Open to Public Inspection.

For calendar plan year 2022 or fiscal plan year beginning 01/01/2022 and ending 12/31/2022		
A Name of plan AMERICAN CHEMICAL SOCIETY ERISA 403(B) PLAN	B Three-digit plan number (PN) ▶	003
C Plan sponsor's name as shown on line 2a of Form 5500 AMERICAN CHEMICAL SOCIETY	D Employer Identification Number (EIN) 53-0196572	

Part I	Service Provider Information (see instructions)
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You must complete this Part, in accordance with the instructions, to report the information required for **each person** who received, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of monetary value) in connection with services rendered to the plan or the person's position with the plan during the plan year. If a person received **only** eligible indirect compensation for which the plan received the required disclosures, you are required to answer line 1 but are not required to include that person when completing the remainder of this Part.

1 Information on Persons Receiving Only Eligible Indirect Compensation

- a Check "Yes" or "No" to indicate whether you are excluding a person from the remainder of this Part because they received only eligible indirect compensation for which the plan received the required disclosures (see instructions for definitions and conditions)..... ☒ Yes ☐ No
- b If you answered line 1a "Yes," enter the name and EIN or address of each person providing the required disclosures for the service providers who received only eligible indirect compensation. Complete as many entries as needed (see instructions).

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation
FIDELITY INVESTMENTS INSTITUTIONAL
04-2647786

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation
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2. Information on Other Service Providers Receiving Direct or Indirect Compensation. Except for those persons for whom you answered "Yes" to line 1a above, complete as many entries as needed to list each person receiving, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of value) in connection with services rendered to the plan or their position with the plan during the plan year. (See instructions).

(a) Enter name and EIN or address (see instructions)

FIDELITY INVESTMENTS INSTITUTIONAL

04-2647786

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
60 64 65	RECORDKEEPER	-30439	Yes ☒ No ☐	Yes ☒ No ☐	0	Yes ☒ No ☐

(a) Enter name and EIN or address (see instructions)

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
			Yes ☐ No ☐	Yes ☐ No ☐		Yes ☐ No ☐

(a) Enter name and EIN or address (see instructions)

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
			Yes ☐ No ☐	Yes ☐ No ☐		Yes ☐ No ☐

Part I Service Provider Information (continued)

3. If you reported on line 2 receipt of indirect compensation, other than eligible indirect compensation, by a service provider, and the service provider is a fiduciary or provides contract administrator, consulting, custodial, investment advisory, investment management, broker, or recordkeeping services, answer the following questions for (a) each source from whom the service provider received \$1,000 or more in indirect compensation and (b) each source for whom the service provider gave you a formula used to determine the indirect compensation instead of an amount or estimated amount of the indirect compensation. Complete as many entries as needed to report the required information for each source.

(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
FIDELITY INVESTMENTS INSTITUTIONAL	60	0

(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.
C&S INST REALTY SHS - DST ASSET MA 430 W 7TH STREET STE 219432 KANSAS CITY, MO 64105	0.10%

(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
FIDELITY INVESTMENTS INSTITUTIONAL	60	0

(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.
JPM SM CAP GRTH L - DST ASSET MANA 430 W 7TH STREET STE 219432 KANSAS CITY, MO 64105	0.15%

(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation

(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.

Part II Service Providers Who Fail or Refuse to Provide Information

4 Provide, to the extent possible, the following information for each service provider who failed or refused to provide the information necessary to complete this Schedule.

(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide

Part III Termination Information on Accountants and Enrolled Actuaries (see instructions)
(complete as many entries as needed)

a Name:	CROWE LLP	b EIN:	35-0921680
c Position:	AUDITOR		
d Address:	225 W WACKER DR #2600 CHICAGO, IL 60606	e Telephone:	312-899-7000

Explanation: A REQUEST FOR PROPOSAL RFP LED TO THE SELECTION OF A MORE EXPERIENCED AUDITOR AT A LOWER COST

a Name:		b EIN:	
c Position:			
d Address:		e Telephone:	

Explanation:

a Name:		b EIN:	
c Position:			
d Address:		e Telephone:	

Explanation:

a Name:		b EIN:	
c Position:			
d Address:		e Telephone:	

Explanation:

a Name:		b EIN:	
c Position:			
d Address:		e Telephone:	

Explanation:

SCHEDULE H (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Financial Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA), and section 6058(a) of the Internal Revenue Code (the Code). ► File as an attachment to Form 5500.	OMB No. 1210-0110 2022 This Form is Open to Public Inspection
For calendar plan year 2022 or fiscal plan year beginning <u>01/01/2022</u> and ending <u>12/31/2022</u>		
A Name of plan <u>AMERICAN CHEMICAL SOCIETY ERISA 403(B) PLAN</u>	B Three-digit plan number (PN) ►	<u>003</u>
C Plan sponsor's name as shown on line 2a of Form 5500 <u>AMERICAN CHEMICAL SOCIETY</u>	D Employer Identification Number (EIN) <u>53-0196572</u>	

Part I Asset and Liability Statement			
1 Current value of plan assets and liabilities at the beginning and end of the plan year. Combine the value of plan assets held in more than one trust. Report the value of the plan's interest in a commingled fund containing the assets of more than one plan on a line-by-line basis unless the value is reportable on lines 1c(9) through 1c(14). Do not enter the value of that portion of an insurance contract which guarantees, during this plan year, to pay a specific dollar benefit at a future date. Round off amounts to the nearest dollar. MTIAs, CCTs, PSAs, and 103-12 IEs do not complete lines 1b(1), 1b(2), 1c(8), 1g, 1h, and 1i. CCTs, PSAs, and 103-12 IEs also do not complete lines 1d and 1e. See instructions.			
Assets		(a) Beginning of Year	(b) End of Year
a Total noninterest-bearing cash.....	1a	0	0
b Receivables (less allowance for doubtful accounts):			
(1) Employer contributions.....	1b(1)	0	0
(2) Participant contributions.....	1b(2)	797950	0
(3) Other.....	1b(3)	0	0
c General investments:			
(1) Interest-bearing cash (include money market accounts & certificates of deposit).....	1c(1)	21638857	23527577
(2) U.S. Government securities	1c(2)	0	0
(3) Corporate debt instruments (other than employer securities):			
(A) Preferred	1c(3)(A)	0	0
(B) All other	1c(3)(B)	0	0
(4) Corporate stocks (other than employer securities):			
(A) Preferred	1c(4)(A)	0	0
(B) Common.....	1c(4)(B)	0	0
(5) Partnership/joint venture interests	1c(5)	0	0
(6) Real estate (other than employer real property)	1c(6)	0	0
(7) Loans (other than to participants).....	1c(7)	0	0
(8) Participant loans.....	1c(8)	1858204	1922614
(9) Value of interest in common/collective trusts.....	1c(9)	0	0
(10) Value of interest in pooled separate accounts	1c(10)	0	0
(11) Value of interest in master trust investment accounts.....	1c(11)	0	0
(12) Value of interest in 103-12 investment entities	1c(12)	0	0
(13) Value of interest in registered investment companies (e.g., mutual funds).....	1c(13)	357750093	295707672
(14) Value of funds held in insurance company general account (unallocated contracts).....	1c(14)	0	0
(15) Other	1c(15)	0	0

1d Employer-related investments:		(a) Beginning of Year	(b) End of Year
(1) Employer securities	1d(1)	0	0
(2) Employer real property	1d(2)	0	0
e Buildings and other property used in plan operation	1e	0	0
f Total assets (add all amounts in lines 1a through 1e)	1f	382045104	321157863

Liabilities

g Benefit claims payable	1g	0	0
h Operating payables	1h	0	0
i Acquisition indebtedness	1i	0	0
j Other liabilities	1j	0	0
k Total liabilities (add all amounts in lines 1g through 1j)	1k	0	0

Net Assets

l Net assets (subtract line 1k from line 1f)	1l	382045104	321157863
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Part II Income and Expense Statement

2 Plan income, expenses, and changes in net assets for the year. Include all income and expenses of the plan, including any trust(s) or separately maintained fund(s) and any payments/receipts to/from insurance carriers. Round off amounts to the nearest dollar. MTIAs, CCTs, PSAs, and 103-12 IEs do not complete lines 2a, 2b(1)(E), 2e, 2f, and 2g.

Income

		(a) Amount	(b) Total
a Contributions:			
(1) Received or receivable in cash from: (A) Employers	2a(1)(A)	940	
(B) Participants	2a(1)(B)	19056487	
(C) Others (including rollovers)	2a(1)(C)	1164487	
(2) Noncash contributions	2a(2)	0	
(3) Total contributions. Add lines 2a(1)(A) , (B) , (C) , and line 2a(2)	2a(3)		20221914
b Earnings on investments:			
(1) Interest:			
(A) Interest-bearing cash (including money market accounts and certificates of deposit)	2b(1)(A)	359211	
(B) U.S. Government securities	2b(1)(B)	0	
(C) Corporate debt instruments	2b(1)(C)	0	
(D) Loans (other than to participants)	2b(1)(D)	0	
(E) Participant loans	2b(1)(E)	86394	
(F) Other	2b(1)(F)	0	
(G) Total interest. Add lines 2b(1)(A) through (F)	2b(1)(G)		445605
(2) Dividends: (A) Preferred stock	2b(2)(A)	0	
(B) Common stock	2b(2)(B)	0	
(C) Registered investment company shares (e.g. mutual funds)	2b(2)(C)	9873187	
(D) Total dividends. Add lines 2b(2)(A) , (B) , and (C)	2b(2)(D)		9873187
(3) Rents	2b(3)		0
(4) Net gain (loss) on sale of assets: (A) Aggregate proceeds	2b(4)(A)	0	
(B) Aggregate carrying amount (see instructions)	2b(4)(B)	0	
(C) Subtract line 2b(4)(B) from line 2b(4)(A) and enter result	2b(4)(C)		0
(5) Unrealized appreciation (depreciation) of assets: (A) Real estate	2b(5)(A)	0	
(B) Other	2b(5)(B)	0	
(C) Total unrealized appreciation of assets. Add lines 2b(5)(A) and (B)	2b(5)(C)		0

		(a) Amount	(b) Total
(6) Net investment gain (loss) from common/collective trusts	2b(6)		0
(7) Net investment gain (loss) from pooled separate accounts	2b(7)		0
(8) Net investment gain (loss) from master trust investment accounts	2b(8)		0
(9) Net investment gain (loss) from 103-12 investment entities.....	2b(9)		0
(10) Net investment gain (loss) from registered investment companies (e.g., mutual funds)	2b(10)		-73623133
c Other income	2c		51384
d Total income. Add all income amounts in column (b) and enter total	2d		-43031043
Expenses			
e Benefit payment and payments to provide benefits:			
(1) Directly to participants or beneficiaries, including direct rollovers	2e(1)	17833553	
(2) To insurance carriers for the provision of benefits	2e(2)	0	
(3) Other	2e(3)	0	
(4) Total benefit payments. Add lines 2e(1) through (3)	2e(4)		17833553
f Corrective distributions (see instructions)	2f		0
g Certain deemed distributions of participant loans (see instructions)	2g		2524
h Interest expense	2h		0
i Administrative expenses: (1) Professional fees	2i(1)	0	
(2) Contract administrator fees	2i(2)	0	
(3) Investment advisory and management fees	2i(3)	0	
(4) Other	2i(4)	20121	
(5) Total administrative expenses. Add lines 2i(1) through (4)	2i(5)		20121
j Total expenses. Add all expense amounts in column (b) and enter total	2j		17856198
Net Income and Reconciliation			
k Net income (loss). Subtract line 2j from line 2d	2k		-60887241
l Transfers of assets:			
(1) To this plan	2l(1)		0
(2) From this plan	2l(2)		0

Part III Accountant's Opinion

3 Complete lines 3a through 3c if the opinion of an independent qualified public accountant is attached to this Form 5500. Complete line 3d if an opinion is not attached.

a The attached opinion of an independent qualified public accountant for this plan is (see instructions):

(1) ☒ Unmodified (2) ☐ Qualified (3) ☐ Disclaimer (4) ☐ Adverse

b Check the appropriate box(es) to indicate whether the IQPA performed an ERISA section 103(a)(3)(C) audit. Check both boxes (1) and (2) if the audit was performed pursuant to both 29 CFR 2520.103-8 and 29 CFR 2520.103-12(d). Check box (3) if pursuant to neither.

(1) ☒ DOL Regulation 2520.103-8 (2) ☐ DOL Regulation 2520.103-12(d) (3) ☐ neither DOL Regulation 2520.103-8 nor DOL Regulation 2520.103-12(d).

c Enter the name and EIN of the accountant (or accounting firm) below:

(1) Name: CLIFTONLARSONALLEN LLP

(2) EIN: 41-0746749

d The opinion of an independent qualified public accountant is **not attached** because:

(1) ☐ This form is filed for a CCT, PSA, or MTIA. (2) ☐ It will be attached to the next Form 5500 pursuant to 29 CFR 2520.104-50.

Part IV Compliance Questions

4 CCTs and PSAs do not complete Part IV. MTIAs, 103-12 IEs, and GIAs do not complete lines 4a, 4e, 4f, 4g, 4h, 4k, 4m, 4n, or 5. 103-12 IEs also do not complete lines 4j and 4l. MTIAs also do not complete line 4l.

During the plan year:

a Was there a failure to transmit to the plan any participant contributions within the time period described in 29 CFR 2510.3-102? Continue to answer "Yes" for any prior year failures until fully corrected. (See instructions and DOL's Voluntary Fiduciary Correction Program.)

	Yes	No	Amount
4a		X	

	Yes	No	Amount
b Were any loans by the plan or fixed income obligations due the plan in default as of the close of the plan year or classified during the year as uncollectible? Disregard participant loans secured by participant's account balance. (Attach Schedule G (Form 5500) Part I if "Yes" is checked.)		X	
4b		X	
c Were any leases to which the plan was a party in default or classified during the year as uncollectible? (Attach Schedule G (Form 5500) Part II if "Yes" is checked.)		X	
4c		X	
d Were there any nonexempt transactions with any party-in-interest? (Do not include transactions reported on line 4a. Attach Schedule G (Form 5500) Part III if "Yes" is checked.)		X	
4d		X	
e Was this plan covered by a fidelity bond?	X		1000000
4e	X		1000000
f Did the plan have a loss, whether or not reimbursed by the plan's fidelity bond, that was caused by fraud or dishonesty?		X	
4f		X	
g Did the plan hold any assets whose current value was neither readily determinable on an established market nor set by an independent third party appraiser?		X	
4g		X	
h Did the plan receive any noncash contributions whose value was neither readily determinable on an established market nor set by an independent third party appraiser?		X	
4h		X	
i Did the plan have assets held for investment? (Attach schedule(s) of assets if "Yes" is checked, and see instructions for format requirements.)	X		
4i	X		
j Were any plan transactions or series of transactions in excess of 5% of the current value of plan assets? (Attach schedule of transactions if "Yes" is checked and see instructions for format requirements.)		X	
4j		X	
k Were all the plan assets either distributed to participants or beneficiaries, transferred to another plan, or brought under the control of the PBGC?		X	
4k		X	
l Has the plan failed to provide any benefit when due under the plan?	X		2414
4l	X		2414
m If this is an individual account plan, was there a blackout period? (See instructions and 29 CFR 2520.101-3.)		X	
4m		X	
n If 4m was answered "Yes," check the "Yes" box if you either provided the required notice or one of the exceptions to providing the notice applied under 29 CFR 2520.101-3.		X	
4n		X	

5a Has a resolution to terminate the plan been adopted during the plan year or any prior plan year? ☐ Yes ☒ No
If "Yes," enter the amount of any plan assets that reverted to the employer this year _____.

5b If, during this plan year, any assets or liabilities were transferred from this plan to another plan(s), identify the plan(s) to which assets or liabilities were transferred. (See instructions.)

5b(1) Name of plan(s)	5b(2) EIN(s)	5b(3) PN(s)

5c Was the plan a defined benefit plan covered under the PBGC insurance program at any time during this plan year? (See ERISA section 4021 and instructions.) ☐ Yes ☐ No ☐ Not determined

If "Yes" is checked, enter the My PAA confirmation number from the PBGC premium filing for this plan year _____.

SCHEDULE R (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Retirement Plan Information This schedule is required to be filed under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6058(a) of the Internal Revenue Code (the Code). ► File as an attachment to Form 5500.	OMB No. 1210-0110 2022 This Form is Open to Public Inspection.
For calendar plan year 2022 or fiscal plan year beginning 01/01/2022 and ending 12/31/2022		
A Name of plan AMERICAN CHEMICAL SOCIETY ERISA 403(B) PLAN		B Three-digit plan number (PN) ► 003
C Plan sponsor's name as shown on line 2a of Form 5500 AMERICAN CHEMICAL SOCIETY		D Employer Identification Number (EIN) 53-0196572
Part I Distributions		
All references to distributions relate only to payments of benefits during the plan year.		
1 Total value of distributions paid in property other than in cash or the forms of property specified in the instructions.....		1
2 Enter the EIN(s) of payor(s) who paid benefits on behalf of the plan to participants or beneficiaries during the year (if more than two, enter EINs of the two payors who paid the greatest dollar amounts of benefits): EIN(s): 04-6568107		
Profit-sharing plans, ESOPs, and stock bonus plans, skip line 3.		
3 Number of participants (living or deceased) whose benefits were distributed in a single sum, during the plan year.....		3
Part II Funding Information (If the plan is not subject to the minimum funding requirements of section 412 of the Internal Revenue Code or ERISA section 302, skip this Part.)		
4 Is the plan administrator making an election under Code section 412(d)(2) or ERISA section 302(d)(2)? ☐ Yes ☐ No ☐ N/A If the plan is a defined benefit plan, go to line 8.		
5 If a waiver of the minimum funding standard for a prior year is being amortized in this plan year, see instructions and enter the date of the ruling letter granting the waiver. Date: Month _____ Day _____ Year _____ If you completed line 5, complete lines 3, 9, and 10 of Schedule MB and do not complete the remainder of this schedule.		
6 a Enter the minimum required contribution for this plan year (include any prior year accumulated funding deficiency not waived).....		6a
b Enter the amount contributed by the employer to the plan for this plan year.....		6b
c Subtract the amount in line 6b from the amount in line 6a. Enter the result (enter a minus sign to the left of a negative amount).....		6c
If you completed line 6c, skip lines 8 and 9.		
7 Will the minimum funding amount reported on line 6c be met by the funding deadline? ☐ Yes ☐ No ☐ N/A		
8 If a change in actuarial cost method was made for this plan year pursuant to a revenue procedure or other authority providing automatic approval for the change or a class ruling letter, does the plan sponsor or plan administrator agree with the change? ☐ Yes ☐ No ☐ N/A		
Part III Amendments		
9 If this is a defined benefit pension plan, were any amendments adopted during this plan year that increased or decreased the value of benefits? If yes, check the appropriate box. If no, check the "No" box..... ☐ Increase ☐ Decrease ☐ Both ☐ No		
Part IV ESOPs (see instructions). If this is not a plan described under section 409(a) or 4975(e)(7) of the Internal Revenue Code, skip this Part.		
10 Were unallocated employer securities or proceeds from the sale of unallocated securities used to repay any exempt loan?..... ☐ Yes ☐ No		
11 a Does the ESOP hold any preferred stock?..... ☐ Yes ☐ No		
b If the ESOP has an outstanding exempt loan with the employer as lender, is such loan part of a "back-to-back" loan? (See instructions for definition of "back-to-back" loan.)..... ☐ Yes ☐ No		
12 Does the ESOP hold any stock that is not readily tradable on an established securities market?..... ☐ Yes ☐ No		
For Paperwork Reduction Act Notice, see the Instructions for Form 5500.		
Schedule R (Form 5500) 2022 v. 220413		

Part V Additional Information for Multiemployer Defined Benefit Pension Plans

13 Enter the following information for each employer that (1) contributed more than 5% of total contributions to the plan during the plan year or (2) was one of the top-ten highest contributors (measured in dollars). See instructions. *Complete as many entries as needed to report all applicable employers.*

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

14	Enter the number of deferred vested and retired participants (inactive participants), as of the beginning of the plan year, whose contributing employer is no longer making contributions to the plan for:		
	a The current plan year. Check the box to indicate the counting method used to determine the number of inactive participants: ☐ last contributing employer ☐ alternative ☐ reasonable approximation (see instructions for required attachment).....	14a	
	b The plan year immediately preceding the current plan year. ☐ Check the box if the number reported is a change from what was previously reported (see instructions for required attachment)	14b	
	c The second preceding plan year. ☐ Check the box if the number reported is a change from what was previously reported (see instructions for required attachment)	14c	
15	Enter the ratio of the number of participants under the plan on whose behalf no employer had an obligation to make an employer contribution during the current plan year to:		
	a The corresponding number for the plan year immediately preceding the current plan year.....	15a	
	b The corresponding number for the second preceding plan year.....	15b	
16	Information with respect to any employers who withdrew from the plan during the preceding plan year:		
	a Enter the number of employers who withdrew during the preceding plan year	16a	
	b If line 16a is greater than 0, enter the aggregate amount of withdrawal liability assessed or estimated to be assessed against such withdrawn employers.....	16b	
17	If assets and liabilities from another plan have been transferred to or merged with this plan during the plan year, check box and see instructions regarding supplemental information to be included as an attachment ☐		

Part VI	Additional Information for Single-Employer and Multiemployer Defined Benefit Pension Plans
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18	If any liabilities to participants or their beneficiaries under the plan as of the end of the plan year consist (in whole or in part) of liabilities to such participants and beneficiaries under two or more pension plans as of immediately before such plan year, check box and see instructions regarding supplemental information to be included as an attachment ☐
19	If the total number of participants is 1,000 or more, complete lines (a) through (c) a Enter the percentage of plan assets held as: Stock: _____% Investment-Grade Debt: _____% High-Yield Debt: _____% Real Estate: _____% Other: _____% b Provide the average duration of the combined investment-grade and high-yield debt: ☐ 0-3 years ☐ 3-6 years ☐ 6-9 years ☐ 9-12 years ☐ 12-15 years ☐ 15-18 years ☐ 18-21 years ☐ 21 years or more c What duration measure was used to calculate line 19(b)? ☐ Effective duration ☐ Macaulay duration ☐ Modified duration ☐ Other (specify): _____
20	PBGC missed contribution reporting requirements. If this is a multiemployer plan or a single-employer plan that is not covered by PBGC, skip line 20. a Is the amount of unpaid minimum required contributions for all years from Schedule SB (Form 5500) line 40 greater than zero? ☐ Yes ☐ No b If line 20a is "Yes," has PBGC been notified as required by ERISA sections 4043(c)(5) and/or 303(k)(4)? Check the applicable box: ☐ Yes. ☐ No. Reporting was waived under 29 CFR 4043.25(c)(2) because contributions equal to or exceeding the unpaid minimum required contribution were made by the 30th day after the due date. ☐ No. The 30-day period referenced in 29 CFR 4043.25(c)(2) has not yet ended, and the sponsor intends to make a contribution equal to or exceeding the unpaid minimum required contribution by the 30th day after the due date. ☐ No. Other. Provide explanation _____

**AMERICAN CHEMICAL SOCIETY
ERISA 403(b) PLAN**

Financial Statements
December 31, 2022 and 2021,
Supplemental Schedule as of December 31, 2022
And Independent Auditor's Report Thereon

AMERICAN CHEMICAL SOCIETY ERISA 403(b) PLAN

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*All other schedules required by 29 CFR 2520.103-10 of the Department of Labor’s Rules and Regulations for Reporting and Disclosures under ERISA have been omitted because they are not applicable.



INDEPENDENT AUDITORS' REPORT

Plan Administrator
American Chemical Society ERISA 403(b) Plan
Washington, DC

Report on the Audit of the Financial Statements

Opinion-2022 Financial Statements

We have audited the accompanying financial statements of American Chemical Society ERISA 403(b) Plan (the Plan), an employee benefit plan subject to the Employee Retirement Income Security Act of 1974 (ERISA), which comprise the statement of net assets available for benefits as of December 31, 2022, and the related statement of changes in net assets available for benefits for the year ended December 31, 2022, and the related notes to the financial statements.

In our opinion, the financial statements referred to above present fairly, in all material respects, the net assets available for benefits of the Plan as of December 31, 2022, and the changes in its net assets available for benefits for the year ended December 31, 2022, in accordance with accounting principles generally accepted in the United States of America.

Basis for Opinion-2022 Financial Statements

We conducted our audit in accordance with auditing standards generally accepted in the United States of America (GAAS). Our responsibilities under those standards are further described in the Auditors' Responsibilities for the Audit of the 2022 Financial Statements section of our report. We are required to be independent of the Plan and to meet our other ethical responsibilities in accordance with the relevant ethical requirements relating to our audit. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Responsibilities of Management for the Financial Statements-2022 Financial Statements

Management is responsible for the preparation and fair presentation of the 2022 financial statements in accordance with accounting principles generally accepted in the United States of America, and for the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

In preparing the financial statements, management is required to evaluate whether there are conditions or events, considered in the aggregate, that raise substantial doubt about the Plan's ability to continue as a going concern for one year after the date that the financial statements are available to be issued.

Management is also responsible for maintaining a current plan instrument, including all plan amendments, administering the plan, and determining that the plan's transactions that are presented and disclosed in the financial statements are in conformity with the plan's provisions, including maintaining sufficient records with respect to each of the participants, to determine the benefits due or which may become due to such participants.

Auditors' Responsibilities for the Audit of the Financial Statements-2022 Financial Statements

Our objectives are to obtain reasonable assurance about whether the 2022 financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditors' report that includes our opinion. Reasonable assurance is a high level of assurance but is not absolute assurance and therefore is not a guarantee that an audit conducted in accordance with GAAS will always detect a material misstatement when it exists. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control. Misstatements are considered material if there is a substantial likelihood that, individually or in the aggregate, they would influence the judgment made by a reasonable user based on the financial statements.

In performing an audit in accordance with GAAS, we:

- Exercise professional judgment and maintain professional skepticism throughout the audit.
- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, and design and perform audit procedures responsive to those risks. Such procedures include examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Plan's internal control. Accordingly, no such opinion is expressed.
- Evaluate the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluate the overall presentation of the financial statements.
- Conclude whether, in our judgment, there are conditions or events, considered in the aggregate, that raise substantial doubt about the Plan's ability to continue as a going concern for a reasonable period of time.

We are required to communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit, significant audit findings, and certain internal control related matters that we identified during the audit.

Supplemental Schedule Required by ERISA-2022 Financial Statements

Our audit was conducted for the purpose of forming an opinion on the financial statements as a whole. The supplemental schedule of assets (held at end of year) as of December 31, 2022 is presented for purposes of additional analysis and is not a required part of the financial statements but is supplementary information required by the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA. Such information is the responsibility of management and was derived from and relates directly to the underlying accounting and other records used to prepare the financial statements. The information has been subjected to the auditing procedures applied in the audits of the financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the financial statements or to the financial statements themselves, and other additional procedures in accordance with GAAS.

Plan Administrator
American Chemical Society ERISA 403(b) Plan

In forming our opinion on the supplemental schedule, we evaluated whether the supplemental schedule, including its form and content, is presented in conformity with the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA.

In our opinion, the information in the accompanying schedule is fairly stated, in all material respects, in relation to the financial statements as a whole, and the form and content is presented in conformity with the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA.

Other Matter-2021 Financial Statements

The financial statements of American Chemical Society ERISA 403(b) Plan as of December 31, 2021, were audited by predecessor auditors whose report dated August 30, 2022, issued a disclaimer of opinion on those financial statements.

A handwritten signature in cursive script that reads "CliftonLarsonAllen LLP".

CliftonLarsonAllen LLP

Arlington, Virginia
July 27, 2023

AMERICAN CHEMICAL SOCIETY ERISA 403(b) PLAN
STATEMENTS OF NET ASSETS AVAILABLE FOR PLAN BENEFITS
AS OF DECEMBER 31

	<u>2022</u>	<u>2021</u>
ASSETS		
Investments at fair value	\$ 319,235,249	\$ 379,388,950
Total investments	<u>319,235,249</u>	<u>379,388,950</u>
Receivables:		
Participant contributions	-	797,950
Notes receivable from participants	1,922,614	1,858,204
Total receivables	<u>1,922,614</u>	<u>2,656,154</u>
NET ASSETS AVAILABLE FOR PLAN BENEFITS	<u>\$ 321,157,863</u>	<u>\$ 382,045,104</u>

The accompanying notes are an integral part of these financial statements

AMERICAN CHEMICAL SOCIETY ERISA 403(b) PLAN
STATEMENTS OF CHANGES IN NET ASSETS AVAILABLE FOR PLAN BENEFITS
FOR THE YEARS ENDED DECEMBER 31

	<u>2022</u>	<u>2021</u>
ADDITIONS:		
Net appreciation in fair value of investments	-	\$ 28,044,016
Interest and dividend income	10,232,399	15,251,142
Net investment income	<u>10,232,399</u>	<u>43,295,158</u>
Interest income on notes receivable from participants	86,394	101,221
Other income	51,384	51,975
Contributions:		
Participant contributions	19,056,487	19,497,340
Corrective contributions	940	(1,145)
Rollovers	1,164,487	3,560,003
Total contributions	<u>20,221,914</u>	<u>23,056,198</u>
Net additions	30,592,091	66,504,552
DEDUCTIONS:		
Distributions to participants and beneficiaries	17,836,078	24,082,652
Administrative expense	20,121	22,757
Net depreciation in fair value of investments	73,623,133	-
Total deductions	<u>91,479,332</u>	<u>24,105,409</u>
NET INCREASE (DECREASE)	(60,887,241)	42,399,143
NET ASSETS AVAILABLE FOR PLAN BENEFITS:		
BEGINNING OF YEAR	<u>382,045,104</u>	<u>339,645,961</u>
END OF YEAR	<u>\$ 321,157,863</u>	<u>\$ 382,045,104</u>

The accompanying notes are an integral part of these financial statements

AMERICAN CHEMICAL SOCIETY ERISA 403(b) PLAN
NOTES TO FINANCIAL STATEMENTS
DECEMBER 31, 2022 AND 2021

1. PLAN DESCRIPTION

The following is a synopsis of the American Chemical Society ERISA 403(b) Plan. Participants should refer to the Plan document for more information.

The American Chemical Society ERISA 403(b) Plan ("the Plan") is a voluntary defined contribution plan established on January 1, 2010 for regular full-time or regular part-time employees of the American Chemical Society ("the Society"). Employees may make contributions to the Plan through both pre-tax salary deferrals and Roth elective deferrals subject to the Internal Revenue Service limitations.

Employees are eligible to participate in the Plan immediately upon hire. Employees who normally work fewer than 20 hours per a week, leased employees, non common law employees, and non- resident aliens are not eligible to participate in the Plan. The Plan includes automatic contribution provisions whereby eligible employees are enrolled in the Plan at a contribution rate of 6% of compensation on a pre-tax basis unless employees elect to contribute a different amount or elect not to make a contribution by signing a waiver. Contributions made under the automatic contribution provisions are made to a qualified default investment alternative.

Contributions are subject to certain Internal Revenue Service (IRS) limitations. Each participant's account is credited with their contributions and earnings (losses) which are 100% vested. Participant's contributions to the Plan are eligible for a matching contribution by the Society to the American Chemical Society Defined Contribution Retirement Plan ("the DC Plan") at a rate of 50% of the participant's contributions not to exceed 6% of the participant's compensation. Matching contributions vest after 3 years of employment.

The Plan provides that participants, with the consent of the Plan Administrator, may make a rollover contribution from another employer's tax qualified or tax preferred retirement plan and from Individual Retirement Accounts (IRAs) in certain circumstances. Participant contributions are deposited with Fidelity Management Trust Company, custodian and record keeper. The Plan is subject to the provisions of the Employee Retirement Income Security Act of 1974 (ERISA).

Distributions may be made upon retirement, death, disability or other termination of employment. Participants may request an in-service withdrawal at or after age 59 ½. Participants may elect to take hardship withdrawal from their account due to an immediate and heavy financial need. The amount that can be withdrawn is limited to the lesser of: (i) the amount necessary to meet the financial hardship, or (ii) the amount of elective deferrals made to the Plan (not including earnings), less any previous withdrawals. Payment must commence no later than age 72. Distributions are made either as a lump sum or monthly distributions over a fixed period between five to 15 years but no longer than the joint life expectancy of the participant and their oldest beneficiary. If the value of a participant's account to be distributed is less than \$5,000, the distribution will be in a lump sum payment.

Participants may borrow funds from their accounts. Participants are allowed to borrow up to the lesser of \$50,000 or 50% of their vested balances with a minimum loan amount of \$1,000. Participant loans are required to be repaid at prime rate (based on prevailing commercial interest rates) plus 1%. Participant loans can have maturities up to 60 months and the amounts repaid are made from post-tax earnings. Loans for the purchase of a principle residence can have maturities up to 15 years.

Participants may elect to invest in any of the various investment funds in increments of 10% of their total contribution. Transfers between investment funds are made during the year as directed by participants.

2. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

Basis of Accounting - The Plan's financial statements have been prepared on the accrual basis of accounting.

Estimates - The preparation of financial statements in conformity with accounting principles generally accepted in the United States of America requires the Plan administrator to make estimates and assumptions that affect the reported amounts of assets and liabilities and changes therein, and disclosures of contingent assets and liabilities. Actual results could differ from those estimates.

Financial Instruments and Income Recognition - Investments are stated at fair value. Fair value is the price that would be received by the Plan for an asset or paid by the Plan to transfer a liability (an exit price) in an orderly transaction between market participants on the measurement date in the Plan's principal or most advantageous market for the asset or liability.

Purchases and sales of securities are recorded on a trade date basis. Dividends are recorded on the ex-dividend date. Net appreciation (depreciation) includes the Plan's gains and losses on investments bought and sold as well as held during the year.

Risks and Uncertainties - The Plan invests in various investment securities according to the direction of each participant. Investment securities are exposed to various risks such as interest rate, market, liquidity and credit risks. Due to the level of risk associated with certain investment securities, it is at least reasonably possible that changes in the values of investment securities will occur in the near term and that such changes could materially affect participants' account balances and the amounts reported in the statements of net assets.

Payment of Benefits - Benefits are recorded when paid.

Notes Receivable from Participants - Notes receivable from participants are measured at their unpaid principal balance plus any accrued but unpaid interest, with no allowance for credit losses, as repayments of principal and interest are received through payroll deductions and the notes are collateralized by the participants' account balances.

Tax Status - The Plan has been designed to qualify for tax-exempt status under Section 403(b) of the Internal Revenue Code ("the Code"). The terms of the Plan have been prepared to conform with the sample language provided by the Internal Revenue Service (IRS) in Revenue Procedure 2007-71. The Plan is required to operate in conformity with the Code to maintain the tax-exempt status for plan participants under Section 403(b). The plan administrator believes that the Plan is currently designed and operating in accordance with the applicable requirements of Section 403(b) of the Code and, therefore, believes the Plan is qualified and the related accounts are tax-exempt. Therefore, no provision for income taxes has been included in the Plan's financial statements

Accounting principles generally accepted in the United States of America require plan management to evaluate tax positions taken by the Plan and recognize a tax liability (or asset) if the Plan has taken an uncertain position that more likely than not would not be sustained upon examination by the Internal Revenue Service. The Plan is subject to routine audits by taxing jurisdictions; however, there are currently no audits for any tax periods in progress.

Administrative Expenses - Certain expenses of maintaining the Plan are paid directly by the Society and are excluded from these financial statements. Investment related expenses are included in net appreciation (depreciation) of fair value investments. Participants are charged an annual recordkeeping fee of \$67, paid quarterly from either their DCRP or 403(b) Plan if they have a combined account balance of \$2,000 or more. For participants taking loans, the Plan does not charge any fees in practice, but maintains the ability to set appropriate processing and loan administration fees.

Revenue Sharing – Fidelity established a Revenue Credit Program and contributes excess recordkeeping fees they received from revenue sharing to that account. The Plan received \$2,422 and \$441 of excess revenue sharing during the years ended December 31, 2022 and 2021, respectively. No excess revenue was used to pay Plan expenses for the years ended December 31, 2022 and 2021. The net of this activity has been recorded as administrative expenses on the statements of changes in net assets available for benefits. As of December 31, 2022 and 2021, the revenue sharing account totaled \$7,189 and \$4,670, respectively.

Reclassifications – The amounts as of December 31, 2021 in the Statements of Changes in Net Assets Available for Plan Benefits reflect a reclassification between the interest and dividend income and the other income, and a reclassification between distributions to participants and beneficiaries and the administrative expense to conform to the current year presentation. The total amounts for 2021 remain unchanged.

Subsequent Events – The Plan has evaluated subsequent events through July 27, 2023, the date the financial statements were available to be issued.

3. FAIR VALUE OF FINANCIAL INSTRUMENTS

As a basis for considering assumptions, the fair value measurement standard establishes a three-tier fair value hierarchy which prioritizes the inputs used in measuring fair value. The statement requires that assets and liabilities carried at fair value be classified and disclosed in one of the following three categories:

- Level 1 – Observable inputs such as quoted prices in active markets for identical assets at measurement date (i.e., mutual funds traded on major exchanges);
- Level 2 – Inputs, other than quoted prices in active markets for identical assets, that are observable either directly or indirectly, such as matrix pricing, yield curves and indices in active markets for similar assets (e.g., U.S. Government agency and corporate bonds); and
- Level 3 – Unobservable inputs in which there is little or no market data, requiring the reporting entity to develop its own assumptions (i.e., privately held securities such as hedge funds or venture capital partnerships).

The Plan utilizes the best information available in measuring fair value and financial assets and liabilities are classified based on the lowest level of input that is significant to the fair value measurement.

The Plan utilizes the services of the custodian of the assets to provide a valuation estimate based on previously disclosed techniques and processes which have been reviewed for propriety and consistency with consideration given to asset type and investment strategy. In addition, the custodian may also use established procedures for determining the fair value of securities which reflect their own assumptions. Management makes best estimates based on information available.

- Mutual Funds – The fair values of mutual funds are determined by obtaining quoted prices on nationally recognized securities exchanges (Level 1).

The following table summarizes the ERISA 403(b) Plan financial instruments by level according to the classification hierarchy at December 31, 2022:

ERISA 403b 2022 FAS 157 Fair Value Footnote Display

December 31, 2022	(Level 1)	(Level 2)	(Level 3)	Total at Fair Value
Financial Assets				
Mutual Funds	\$ 319,235,249	\$ -	\$ -	\$ 319,235,249
Total Assets Reported At Fair Value	\$ 319,235,249	\$ -	\$ -	\$ 319,235,249

The following table summarizes the ERISA 403(b) Plan financial instruments by level according to the classification hierarchy at December 31, 2021:

December 31, 2021	(Level 1)	(Level 2)	(Level 3)	Total at Fair Value
Financial Assets				
Mutual Funds	\$ 379,388,950	\$ -	\$ -	\$ 379,388,950
Total Assets Reported At Fair Value	\$ 379,388,950	\$ -	\$ -	\$ 379,388,950

4. PLAN TERMINATION

Although it has not expressed intent to do so, the Society has the right under the Plan to terminate the Plan subject to the provisions of ERISA.

5. PARTY-IN-INTEREST TRANSACTIONS

Parties-in-interest are defined under the U.S. Department of Labor as any fiduciary of the plan, any party rendering service to the plan, the employer, and certain others. Certain Plan investments are shares of mutual funds managed by Fidelity Investments Institutional Operations Company, Inc. ("FIIOC") or Fidelity Management and Research Company ("FMR"), which are affiliates of Fidelity Management Trust Company ("FMTC"). FMTC is the trustee of the Plan, and, therefore, these transactions qualify as party-in-interest transactions. Notes receivable from participants and fees paid to investment management services were included as a reduction of return earned on each fund and also reflect party-in-interest transactions.

Certain administrative functions are performed by officers or employees of the Society. No such officer or employee receives compensation from the Plan. Certain administrative expenses of the Plan are paid directly by the Society.

SUPPLEMENTAL SCHEDULE

AMERICAN CHEMICAL SOCIETY ERISA 403(b) PLAN

EIN: 53-0196572 PN: 003

Form 5500, Schedule H, line 4i - Schedule of Assets (Held At End of Year)

As of December 31, 2022

(a)	(b) Identity of Issue, Borrower or Similar Party	(c) Description of Investments	(d) Cost **	(e) Current Value
	<u>Mutual Funds:</u>			
	American Beacon	American Beacon Small Cap Value Fund	\$	1,844,671
	Cohen & Steers Inst Realty SHS	C&S Inst Realty SHS		2,215,974
*	Fidelity	Fidelity Diversified International K Fund		5,155,843
*	Fidelity	Freedom Index 2005 IPR Fund		529,480
*	Fidelity	Freedom Index 2010 IPR Fund		3,355,415
*	Fidelity	Freedom Index 2015 IPR Fund		6,349,675
*	Fidelity	Freedom Index 2020 IPR Fund		25,277,852
*	Fidelity	Freedom Index 2025 IPR Fund		25,207,867
*	Fidelity	Freedom Index 2030 IPR Fund		39,789,346
*	Fidelity	Freedom Index 2035 IPR Fund		23,343,351
*	Fidelity	Freedom Index 2040 IPR Fund		19,125,638
*	Fidelity	Freedom Index 2045 IPR Fund		12,774,039
*	Fidelity	Freedom Index 2050 IPR Fund		9,249,871
*	Fidelity	Freedom Index 2055 IPR Fund		3,622,780
*	Fidelity	Freedom Index 2060 IPR Fund		1,616,085
*	Fidelity	Freedom Index 2065 IPR Fund		163,527
*	Fidelity	Freedom Index Income IPR Fund		1,801,705
*	Fidelity	Fidelity Low Priced Stock K Fund		11,502,536
*	Fidelity	Fidelity Puritan K Fund		17,352,047
*	Fidelity	Fidelity Small Cap Stock Fund		4,254,257
*	Fidelity	Fidelity Large Cap IDX Fund		5,191,246
	JP Morgan	JPMorgan Small Growth Fund Inst		4,886,373
	Mainstay	Mainstay Large Cap Growth Fund		12,315,920
	PIMCO	PIMCO Total Return Fund Inst		8,029,942
	Vanguard	Vanguard Developed Markets Index Inv Fund		3,947,251
	Vanguard	Vanguard Emerging Markets Stock Index Adm Fund		2,313,060
	Vanguard	Vanguard Extended Market Index Adm Fund		7,159,877
	Vanguard	Vanguard Institutional Index Fund		30,592,369
	Vanguard	Vanguard Federal Money Market Investor Shares		23,527,577
	Vanguard	Vanguard Total Bond Market Index Adm Fund		6,739,676
	<u>Loans:</u>			
*	Loans to Participant			1,922,614
	Total Assets		\$	321,157,863

* Denotes a party-in-interest.

** Cost has been omitted as all investments are participant directed.

SUPPLEMENTAL SCHEDULE

AMERICAN CHEMICAL SOCIETY ERISA 403(b) PLAN

EIN: 53-0196572 PN: 003

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